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1.1 error_prone_annotations 2.11.0

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1.2 apache-tika 1.27

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1.3 flexmark-java-sequence-utilities 0.62.2

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1.4 io-grpc-grpc-context 1.44.0

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1.5 postgresql-jdbc-driver-pgjdbc 42.3.3

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1.6 swagger-models 1.6.2

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```

```
import com.fasterxml.jackson.annotation.JsonAnyGetter;
```

```

import com.fasterxml.jackson.annotation.JsonAnySetter;

import java.util.LinkedHashMap;
import java.util.Map;

public class License {
    private Map<String, Object> vendorExtensions = new LinkedHashMap<String, Object>();
    private String name;
    private String url;

    public License name(String name) {
        setName(name);
        return this;
    }

    public License url(String url) {
        setUrl(url);
        return this;
    }

    public String getName() {
        return name;
    }

    public void setName(String name) {
        this.name = name;
    }

    public String getUrl() {
        return url;
    }

    public void setUrl(String url) {
        this.url = url;
    }

    @JsonAnyGetter
    public Map<String, Object> getVendorExtensions() {
        return vendorExtensions;
    }

    @JsonAnySetter
    public void setVendorExtension(String name, Object value) {
        if (name.startsWith("x-")) {
            vendorExtensions.put(name, value);
        }
    }
}

```

```

public void setVendorExtensions(Map<String, Object> vendorExtensions) {
    this.vendorExtensions = vendorExtensions;
}

@Override
public int hashCode() {
    final int prime = 31;
    int result = 1;
    result = prime * result + ((name == null) ? 0 : name.hashCode());
    result = prime * result + ((url == null) ? 0 : url.hashCode());
    result = prime * result + ((vendorExtensions == null) ? 0 : vendorExtensions.hashCode());
    return result;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    License other = (License) obj;
    if (name == null) {
        if (other.name != null) {
            return false;
        }
    } else if (!name.equals(other.name)) {
        return false;
    }
    if (url == null) {
        if (other.url != null) {
            return false;
        }
    } else if (!url.equals(other.url)) {
        return false;
    }
    if (vendorExtensions == null) {
        if (other.vendorExtensions != null) {
            return false;
        }
    } else if (!vendorExtensions.equals(other.vendorExtensions)) {
        return false;
    }
    return true;
}

```



```
}  
}
```

Found in path(s):

```
* /opt/cola/permits/1340031769_1654618404.1267035/0/swagger-models-1-6-2-sources-1-jar/io/swagger/models/License.java
```

No license file was found, but licenses were detected in source scan.

```
package io.swagger.models;
```

```
import com.fasterxml.jackson.annotation.JsonAnyGetter;
```

```
import com.fasterxml.jackson.annotation.JsonAnySetter;
```

```
import java.util.LinkedHashMap;
```

```
import java.util.Map;
```

```
public class Info {
```

```
    private String description;
```

```
    private String version;
```

```
    private String title;
```

```
    private String termsOfService;
```

```
    private Contact contact;
```

```
    private License license;
```

```
    private Map<String, Object> vendorExtensions = new LinkedHashMap<String, Object>();
```

```
    public Info version(String version) {
```

```
        this.setVersion(version);
```

```
        return this;
```

```
    }
```

```
    public Info title(String title) {
```

```
        this.setTitle(title);
```

```
        return this;
```

```
    }
```

```
    public Info description(String description) {
```

```
        this.setDescription(description);
```

```
        return this;
```

```
    }
```

```
    public Info termsOfService(String termsOfService) {
```

```
        this.setTermsOfService(termsOfService);
```

```
        return this;
```

```
    }
```

```
    public Info contact(Contact contact) {
```

```
        this.setContact(contact);
```

```
        return this;
```

```
}

public Info license(License license) {
    this.setLicense(license);
    return this;
}

public String getDescription() {
    return description;
}

public void setDescription(String description) {
    this.description = description;
}

public String getVersion() {
    return version;
}

public void setVersion(String version) {
    this.version = version;
}

public String getTitle() {
    return title;
}

public void setTitle(String title) {
    this.title = title;
}

public String getTermsOfService() {
    return termsOfService;
}

public void setTermsOfService(String termsOfService) {
    this.termsOfService = termsOfService;
}

public Contact getContact() {
    return contact;
}

public void setContact(Contact contact) {
    this.contact = contact;
}

public License getLicense() {
```

```

    return license;
}

public void setLicense(License license) {
    this.license = license;
}

public Info mergeWith(Info info) {
    if (info != null) {
        if (this.description == null) {
            this.description = info.description;
        }
        if (this.version == null) {
            this.version = info.version;
        }
        if (this.title == null) {
            this.title = info.title;
        }
        if (this.termsOfService == null) {
            this.termsOfService = info.termsOfService;
        }
        if (this.contact == null) {
            this.contact = info.contact;
        }
        if (this.license == null) {
            this.license = info.license;
        }
        if (this.vendorExtensions == null) {
            this.vendorExtensions = info.vendorExtensions;
        }
    }
    return this;
}

@JsonAnyGetter
public Map<String, Object> getVendorExtensions() {
    return vendorExtensions;
}

@JsonAnySetter
public void setVendorExtension(String name, Object value) {
    if (name.startsWith("x-")) {
        vendorExtensions.put(name, value);
    }
}

public void setVendorExtensions(Map<String, Object> vendorExtensions) {
    this.vendorExtensions = vendorExtensions;
}

```

```

}

@Override
public int hashCode() {
    final int prime = 31;
    int result = 1;
    result = prime * result + ((contact == null) ? 0 : contact.hashCode());
    result = prime * result
        + ((description == null) ? 0 : description.hashCode());
    result = prime * result + ((license == null) ? 0 : license.hashCode());
    result = prime * result
        + ((termsOfService == null) ? 0 : termsOfService.hashCode());
    result = prime * result + ((title == null) ? 0 : title.hashCode());
    result = prime * result
        + ((vendorExtensions == null) ? 0 : vendorExtensions.hashCode());
    result = prime * result + ((version == null) ? 0 : version.hashCode());
    return result;
}

```

```

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    Info other = (Info) obj;
    if (contact == null) {
        if (other.contact != null) {
            return false;
        }
    } else if (!contact.equals(other.contact)) {
        return false;
    }
    if (description == null) {
        if (other.description != null) {
            return false;
        }
    } else if (!description.equals(other.description)) {
        return false;
    }
    if (license == null) {
        if (other.license != null) {
            return false;
        }
    }
}

```

```

    }
  } else if (!license.equals(other.license)) {
    return false;
  }
  if (termsOfService == null) {
    if (other.termsOfService != null) {
      return false;
    }
  } else if (!termsOfService.equals(other.termsOfService)) {
    return false;
  }
  if (title == null) {
    if (other.title != null) {
      return false;
    }
  } else if (!title.equals(other.title)) {
    return false;
  }
  if (vendorExtensions == null) {
    if (other.vendorExtensions != null) {
      return false;
    }
  } else if (!vendorExtensions.equals(other.vendorExtensions)) {
    return false;
  }
  if (version == null) {
    if (other.version != null) {
      return false;
    }
  } else if (!version.equals(other.version)) {
    return false;
  }
  return true;
}
}

```

Found in path(s):

* /opt/cola/permits/1340031769_1654618404.1267035/0/swagger-models-1-6-2-sources-1-jar/io/swagger/models/Info.java

1.7 apache-kafka 3.1.0

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1.8 flexmark-java-options-utilities 0.62.2

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1.9 cloudevents---kafka-transport-binding

2.2.0

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```

Found in path(s):

```
* /opt/cola/permits/1340816289_1654861242.1326292/0/cloudevents-kafka-2-2-0-sources-jar/META-INF/maven/io.cloudevents/cloudevents-kafka/pom.xml
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- */

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- * /opt/cola/permits/1340816289_1654861242.1326292/0/cloudevents-kafka-2-2-0-sources-jar/io/cloudevents/kafka/CloudEventMessageDeserializer.java
- * /opt/cola/permits/1340816289_1654861242.1326292/0/cloudevents-kafka-2-2-0-sources-jar/io/cloudevents/kafka/CloudEventMessageSerializer.java
- * /opt/cola/permits/1340816289_1654861242.1326292/0/cloudevents-kafka-2-2-0-sources-jar/io/cloudevents/kafka/CloudEventSerializer.java
- * /opt/cola/permits/1340816289_1654861242.1326292/0/cloudevents-kafka-2-2-0-sources-jar/io/cloudevents/kafka/CloudEventDeserializer.java
- * /opt/cola/permits/1340816289_1654861242.1326292/0/cloudevents-kafka-2-2-0-sources-jar/io/cloudevents/kafka/impl/KafkaBinaryMessageReaderImpl.java
- * /opt/cola/permits/1340816289_1654861242.1326292/0/cloudevents-kafka-2-2-0-sources-jar/io/cloudevents/kafka/impl/KafkaProducerMessageWriterImpl.java
- * /opt/cola/permits/1340816289_1654861242.1326292/0/cloudevents-kafka-2-2-0-sources-jar/io/cloudevents/kafka/KafkaMessageFactory.java
- * /opt/cola/permits/1340816289_1654861242.1326292/0/cloudevents-kafka-2-2-0-sources-jar/io/cloudevents/kafka/impl/KafkaHeaders.java
- * /opt/cola/permits/1340816289_1654861242.1326292/0/cloudevents-kafka-2-2-0-sources-jar/io/cloudevents/kafka/impl/KafkaSerializerMessageWriterImpl.java
- * /opt/cola/permits/1340816289_1654861242.1326292/0/cloudevents-kafka-2-2-0-sources-jar/io/cloudevents/kafka/impl/BaseKafkaMessageWriterImpl.java

1.10 zipkin-reporter-metrics-by-micrometer

2.16.1

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* /opt/cola/permits/1340816014_1654853748.4983013/0/zipkin-reporter-metrics-micrometer-2-16-1-sources-jar/zipkin2/reporter/metrics/micrometer/MicrometerReporterMetrics.java

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1.11 jna 5.8.0

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David Megginson, david@megginson.com

2000-05-05

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Modified by Atlassian

The binary file of the original library has been modified by Atlassian in such way that classes have changed their package names from 'com.keypoint/org.jfree' to 'clover.com.keypoint/clover.org.jfree'. This was necessary to avoid potential name conflicts during instrumentation of a code using the original library when using Clover. No source code of the original library was modified.

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Version 2.1, February 1999

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The binary file of the original library has been modified by Atlassian in such way that classes have changed their package names from 'it.unimi.dsi.fastutil' to 'clover.it.unimi.dsi.fastutil'. This was necessary to avoid potential name conflicts during instrumentation of a code using the original library when using Clover. No source code of the original library was modified.

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avoid potential name conflicts during instrumentation of a code using the original library when using Clover.
No source code of the original library was modified.

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No source code of the original library was modified.

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The primary ANTLR guy:

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/*

File: Core.js

Description:

Provides common utility functions and the Class object used internally by the library.

Also provides the <TreeUtil> object for manipulating JSON tree structures

Some of the Basic utility functions and the Class system are based in the MooTools Framework <<http://mootools.net>>. Copyright (c) 2006-2009 Valerio Proietti, <<http://mad4milk.net/>>. MIT license <<http://mootools.net/license.txt>>.

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Nicolas Garcia Belmonte

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Version:

1.1.2

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1.12 abegocore 1.0.3

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Manifest-Version: 1.0
Bnd-LastModified: 1446804256758
Build-Jdk: 1.8.0_60
Built-By: ub
Bundle-Description: Efficient and customizable TreeLayout Algorithm in J
ava.
Bundle-DocURL: <http://abego-software.de>
Bundle-License: <http://www.abego-software.de/legal/apl-v10.html>
Bundle-ManifestVersion: 2
Bundle-Name: abego TreeLayout Core
Bundle-SymbolicName: org.abego.treelayout.core
Bundle-Vendor: abego Software GmbH, Germany
Bundle-Version: 1.0.3
Created-By: Apache Maven Bundle Plugin
Export-Package: org.abego.treelayout.util;uses:="org.abego.treelayout";v
ersion="1.0.3",org.abego.treelayout;version="1.0.3"
Implementation-Title: abego TreeLayout Core
Implementation-Vendor: abego Software GmbH, Germany
Implementation-Vendor-Id: org.abego.treelayout
Implementation-Version: 1.0.3
Import-Package: sun.misc;resolution:=optional
Specification-Title: abego TreeLayout Core
Specification-Vendor: abego Software GmbH, Germany
Specification-Version: 1.0.3
Tool: Bnd-1.50.0

Found in path(s):

* /opt/cola/permits/1162863034_1649022203.09/0/org-abego-treelayout-core-1-0-3-jar/META-
INF/MANIFEST.MF

1.13 mockito 4.0.0

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1.16 launchdarkly-sdk-for-java 5.7.1

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1.17 junit-platform-junit-platform-engine 1.8.2

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1.18 fabric8-::-kubernetes-model-::-metrics

5.12.1

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1.19 kotlin-logging 2.0.10

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jar/io/fabric8/kubernetes/api/model/DefaultKubernetesResourceList.java
* /opt/cola/permits/1340815874_1654860883.3965907/0/kubernetes-model-core-5-12-1-sources-
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* /opt/cola/permits/1340815874_1654860883.3965907/0/kubernetes-model-core-5-12-1-sources-jar/META-INF/maven/io.fabric8/kubernetes-model-core/pom.xml
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1.21 antlr-4-tool 4.9.2

1.21.1 Available under license :

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 */

```

/** templates used to generate make-compatible dependencies */

```

/** Generate "f : x, y, z" dependencies for input
 * dependencies and generated files. in and out
 * are File objects. For example, you can say
 * <f.canonicalPath>
 */
dependencies(grammarFileName,in,out) ::= <<
<if(in)><grammarFileName>: <in; separator=", "><endif>
<out:{f | <f> : <grammarFileName>; separator="\n">
>>

```

Found in path(s):

```

* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-
jar/org/antlr/v4/tool/templates/depend.stg

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 */

```

```

/** Find left-recursive rules */
tree grammar LeftRecursiveRuleWalker;

```

```

options {
    tokenVocab=ANTLRParser;
    ASTLabelType=GrammarAST;
}

@header {
package org.antlr.v4.parse;

import org.antlr.v4.misc.*;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
}

@members {
private String ruleName;
private int currentOuterAltNumber; // which outer alt of rule?
public int numAlts; // how many alts for this rule total?

public void setAltAssoc(AltAST altTree, int alt) {}
public void binaryAlt(AltAST altTree, int alt) {}
public void prefixAlt(AltAST altTree, int alt) {}
public void suffixAlt(AltAST altTree, int alt) {}
public void otherAlt(AltAST altTree, int alt) {}
public void setReturnValues(GrammarAST t) {}
}

@rulecatch { }

// TODO: can get parser errors for not matching pattern; make them go away
public
rec_rule returns [boolean isLeftRec]
@init
{
    currentOuterAltNumber = 1;
}
: ^( r=RULE id=RULE_REF {ruleName=$id.getText();}
    ruleModifier?
// (ARG_ACTION)? shouldn't allow args, right?
    (^ (RETURNS a=ARG_ACTION {setReturnValues($a);}))?
// (^(THROWS .+)) ? don't allow
    (^ (LOCALS ARG_ACTION) )? // TODO: copy these to gen'd code
    (^ (OPTIONS .*))
    | ^ (AT ID ACTION) // TODO: copy
    )*
ruleBlock { $isLeftRec = $ruleBlock.isLeftRec; }
exceptionGroup
)

```



```

;

exceptionGroup
: exceptionHandler* finallyClause?
;

exceptionHandler
: ^(CATCH ARG_ACTION ACTION)
;

finallyClause
: ^(FINALLY ACTION)
;

ruleModifier
: PUBLIC
| PRIVATE
| PROTECTED
;

ruleBlock returns [boolean isLeftRec]
@init{boolean lr=false; this.numAlts = $start.getChildCount();}
: ^( BLOCK
(
o=outerAlternative
{if ($o.isLeftRec) $isLeftRec = true;}
{currentOuterAltNumber++;}
)+
)
;

/** An alt is either prefix, suffix, binary, or ternary operation or "other" */
outerAlternative returns [boolean isLeftRec]
: (binary)=>      binary
                    {binaryAlt((AltAST)$start, currentOuterAltNumber); $isLeftRec=true;}
| (prefix)=>      prefix
                    {prefixAlt((AltAST)$start, currentOuterAltNumber);}
| (suffix)=>      suffix
                    {suffixAlt((AltAST)$start, currentOuterAltNumber); $isLeftRec=true;}
| nonLeftRecur    {otherAlt((AltAST)$start, currentOuterAltNumber);}
;

binary
: ^( ALT elementOptions? recurse element* recurse epsilonElement* )
    {setAltAssoc((AltAST)$ALT,currentOuterAltNumber);}
;

prefix

```

```

: ^( ALT elementOptions?
  element+
  recurse epsilonElement*
)
  {setAltAssoc((AltAST)$ALT,currentOuterAltNumber);}
;

```

```

suffix
: ^( ALT elementOptions? recurse element+ )
  {setAltAssoc((AltAST)$ALT,currentOuterAltNumber);}
;

```

```

nonLeftRecur
: ^(ALT elementOptions? element+)
;

```

```

recurse
: ^(ASSIGN ID recurseNoLabel)
| ^(PLUS_ASSIGN ID recurseNoLabel)
| recurseNoLabel
;

```

```

recurseNoLabel : {((CommonTree)input.LT(1)).getText().equals(ruleName)}? RULE_REF;

```

```

token returns [GrammarAST t=null]
: ^(ASSIGN ID s=token {$t = $s.t;})
| ^(PLUS_ASSIGN ID s=token {$t = $s.t;})
| b=STRING_LITERAL      {$t = $b;}
| ^(b=STRING_LITERAL elementOptions) {$t = $b;}
| ^(c=TOKEN_REF elementOptions) {$t = $c;}
| c=TOKEN_REF          {$t = $c;}
;

```

```

elementOptions
: ^(ELEMENT_OPTIONS elementOption*)
;

```

```

elementOption
: ID
| ^(ASSIGN ID ID)
| ^(ASSIGN ID STRING_LITERAL)
| ^(ASSIGN ID ACTION)
| ^(ASSIGN ID INT)
;

```

```

element
: atom
| ^(NOT element)

```

```
| ^(RANGE atom atom)
| ^(ASSIGN ID element)
| ^(PLUS_ASSIGN ID element)
| ^(SET setElement+)
| RULE_REF
| ebnf
| epsilonElement
;
```

```
epsilonElement
: ACTION
| SEMPRED
| EPSILON
| ^(ACTION elementOptions)
| ^(SEMPRED elementOptions)
;
```

```
setElement
: ^(STRING_LITERAL elementOptions)
| ^(TOKEN_REF elementOptions)
| STRING_LITERAL
| TOKEN_REF
;
```

```
ebnf: block
| ^( OPTIONAL block )
| ^( CLOSURE block )
| ^( POSITIVE_CLOSURE block )
;
```

```
block
: ^(BLOCK ACTION? alternative+)
;
```

```
alternative
: ^(ALT elementOptions? element+)
;
```

```
atom
: ^(RULE_REF ARG_ACTION? elementOptions?)
| ^(STRING_LITERAL elementOptions)
| STRING_LITERAL
| ^(TOKEN_REF elementOptions)
| TOKEN_REF
| ^(WILDCARD elementOptions)
| WILDCARD
| ^(DOT ID element)
;
```

Found in path(s):

* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/parse/LeftRecursiveRuleWalker.g

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* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/parse/GrammarTreeVisitor.java

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```
atn(startState, states, edges, rankdir, decisionRanks, useBox) ::= <<
digraph ATN {
rankdir=LR;
<decisionRanks; separator="\n">
<states; separator="\n">
<edges; separator="\n">
}
>>
```

```
dfa(name, startState, states, edges, rankdir, decisionRanks, useBox) ::= <<
digraph <name> {
<if(rankdir)>rankdir=<rankdir>;<endif>
<decisionRanks; separator="\n">
<states; separator="\n">
<edges; separator="\n">
}
>>
```

```
decision-rank(states) ::= <<
{rank=same; rankdir=TB; <states:{s | s<s>}; separator=" "; ">}
>>
```

```
edge(src,target,label,arrowhead,transitionIndex) ::= <<
<src><if(transitionIndex)>p<transitionIndex><endif> -> <target> [fontsize=11, fontname="Courier", arrowsize=.7,
label = "<label>"<if(arrowhead)>, arrowhead = <arrowhead><endif>];
>>
```

```

action-edge(src,target,label,arrowhead,transitionIndex) ::= <<
<src><if(transitionIndex)>p<transitionIndex><endif> -> <target> [fontsize=11, fontname="Courier", arrowsize=.7,
label = "<label>"<if(arrowhead)>, arrowhead = <arrowhead><endif>];
>>

```

```

epsilon-edge(src,label,target,arrowhead,transitionIndex,loopback=false) ::= <<
<src><if(transitionIndex)>p<transitionIndex><endif> -> <target> [fontname="Times-Italic",
label="&epsilon;"<if(loopback)>, style="dashed"<endif>];
>>

```

```

state(state, label, name, transitions) ::= <%
<name>[fontsize=11,
label="
  <! rest(transition) tests for decision states: these nodes have a non-empty set of transitions after the first one. !>
  <if(rest(transitions))>
    {
      <! Label on the left side of the record node. !>
      <label>
      |
      <! Named ports in order on right side of record node, no display text. !>
      {<transitions:{t|\<p<i0>>}; separator="|">}
    }
  <else>
    <label>
  <endif>
  "
  <if(rest(transitions))>
    , shape=record, fixedsize=false
  <else>
    , shape=circle, fixedsize=true, width=.55
  <endif>
  , peripheries=1];
%>

```

```

stopstate(name,label,actionIndex,useBox) ::= <<
<name>[fontsize=11, label="<label><if(actionIndex)>,\naction:<actionIndex><endif>",
<if(useBox)>shape=polygon,sides=4,peripheries=2,fixedsize=false<else>shape=doublecircle, fixedsize=true,
width=.6<endif>];
>>

```

Found in path(s):

```

* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-
jar/org/antlr/v4/tool/templates/dot/graphs.stg

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/** How to generate rules derived from left-recursive rules.
* These rely on recRuleAltPredicate(),
* recRuleArg(), recRuleSetResultAction(), recRuleSetReturnAction()
* templates in main language.stg
*/
group LeftRecursiveRules;

recRule(ruleName, argName, primaryAlts, opAlts, setResultAction,
        userRetvals, leftRecursiveRuleRefLabels) ::=
<<
<ruleName><if(userRetvals)> returns [<userRetvals>]<endif>
: ( { } <primaryAlts:{alt | <alt.altText> }; separator="\n    | ">
  )
  (
    <opAlts; separator="\n    | ">
  )*
;
>>

recRuleAlt(alt, precOption, opPrec, pred) ::= <<
{<pred>}?<<precOption>=<opPrec>> <alt.altText>

```

>>

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* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/tool/templates/LeftRecursiveRules.stg

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*/

/** The definitive ANTLR v3 tree grammar to walk/visit ANTLR v4 grammars.

* Parses trees created by ANTLRParser.g.

*

* Rather than have multiple tree grammars, one for each visit, I'm

* creating this generic visitor that knows about context. All of the

* boilerplate pattern recognition is done here. Then, subclasses can

* override the methods they care about. This prevents a lot of the same

* context tracking stuff like "set current alternative for current

* rule node" that is repeated in lots of tree filters.

*/

tree grammar GrammarTreeVisitor;

```
options {
    language    = Java;
    tokenVocab  = ANTLRParser;
    ASTLabelType = GrammarAST;
}
```

```
// Include the copyright in this source and also the generated source
```

```
@header {
```

```
/*
```

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```
*/
```

```
package org.antlr.v4.parse;
import org.antlr.v4.Tool;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
import java.lang.reflect.InvocationTargetException;
import java.lang.reflect.Method;
}
```

```
@members {
```

```
public String grammarName;
```

```
public GrammarAST currentRuleAST;
```

```
public String currentModeName = LexerGrammar.DEFAULT_MODE_NAME;
```

```

public String currentRuleName;
public GrammarAST currentOuterAltRoot;
public int currentOuterAltNumber = 1; // 1..n
public int rewriteEBNFLevel = 0;

public GrammarTreeVisitor() { this(null); }

// Should be abstract but can't make gen'd parser abstract;
// subclasses should implement else everything goes to stderr!
public ErrorManager getErrorManager() { return null; }

public void visitGrammar(GrammarAST t) { visit(t, "grammarSpec"); }
public void visit(GrammarAST t, String ruleName) {
    CommonTreeNodeStream nodes = new CommonTreeNodeStream(new GrammarASTAdaptor(), t);
    setTreeNodeStream(nodes);
    try {
        Method m = getClass().getMethod(ruleName);
        m.invoke(this);
    }
    catch (Throwable e) {
        ErrorManager errMgr = getErrorManager();
        if ( e instanceof InvocationTargetException ) {
            e = e.getCause();
        }
        //e.printStackTrace(System.err);
        if ( errMgr==null ) {
            System.err.println("can't find rule "+ruleName+
                " or tree structure error: "+t.toStringTree()
            );
            e.printStackTrace(System.err);
        }
        else errMgr.toolError(ErrorType.INTERNAL_ERROR, e);
    }
}

public void discoverGrammar(GrammarRootAST root, GrammarAST ID) { }
public void finishPrequels(GrammarAST firstPrequel) { }
public void finishGrammar(GrammarRootAST root, GrammarAST ID) { }

public void grammarOption(GrammarAST ID, GrammarAST valueAST) { }
public void ruleOption(GrammarAST ID, GrammarAST valueAST) { }
public void blockOption(GrammarAST ID, GrammarAST valueAST) { }
public void defineToken(GrammarAST ID) { }
public void defineChannel(GrammarAST ID) { }
public void globalNamedAction(GrammarAST scope, GrammarAST ID, ActionAST action) { }
public void importGrammar(GrammarAST label, GrammarAST ID) { }

public void modeDef(GrammarAST m, GrammarAST ID) { }

```

```

public void discoverRules(GrammarAST rules) { }
public void finishRules(GrammarAST rule) { }
public void discoverRule(RuleAST rule, GrammarAST ID, List<GrammarAST> modifiers,
    ActionAST arg, ActionAST returns, GrammarAST thrws,
    GrammarAST options, ActionAST locals,
    List<GrammarAST> actions,
    GrammarAST block) { }
public void finishRule(RuleAST rule, GrammarAST ID, GrammarAST block) { }
public void discoverLexerRule(RuleAST rule, GrammarAST ID, List<GrammarAST> modifiers,
    GrammarAST block) { }
public void finishLexerRule(RuleAST rule, GrammarAST ID, GrammarAST block) { }
public void ruleCatch(GrammarAST arg, ActionAST action) { }
public void finallyAction(ActionAST action) { }
public void discoverOuterAlt(AltAST alt) { }
public void finishOuterAlt(AltAST alt) { }
public void discoverAlt(AltAST alt) { }
public void finishAlt(AltAST alt) { }

public void ruleRef(GrammarAST ref, ActionAST arg) { }
public void tokenRef(TerminalAST ref) { }
public void elementOption(GrammarASTWithOptions t, GrammarAST ID, GrammarAST valueAST) { }
public void stringRef(TerminalAST ref) { }
public void wildcardRef(GrammarAST ref) { }
public void actionInAlt(ActionAST action) { }
public void sempredInAlt(PredAST pred) { }
public void label(GrammarAST op, GrammarAST ID, GrammarAST element) { }
public void lexerCallCommand(int outerAltNumber, GrammarAST ID, GrammarAST arg) { }
public void lexerCommand(int outerAltNumber, GrammarAST ID) { }

protected void enterGrammarSpec(GrammarAST tree) { }
protected void exitGrammarSpec(GrammarAST tree) { }

protected void enterPrequelConstructs(GrammarAST tree) { }
protected void exitPrequelConstructs(GrammarAST tree) { }

protected void enterPrequelConstruct(GrammarAST tree) { }
protected void exitPrequelConstruct(GrammarAST tree) { }

protected void enterOptionsSpec(GrammarAST tree) { }
protected void exitOptionsSpec(GrammarAST tree) { }

protected void enterOption(GrammarAST tree) { }
protected void exitOption(GrammarAST tree) { }

protected void enterOptionValue(GrammarAST tree) { }
protected void exitOptionValue(GrammarAST tree) { }

```

protected void enterDelegateGrammars(GrammarAST tree) { }

protected void exitDelegateGrammars(GrammarAST tree) { }

protected void enterDelegateGrammar(GrammarAST tree) { }

protected void exitDelegateGrammar(GrammarAST tree) { }

protected void enterTokensSpec(GrammarAST tree) { }

protected void exitTokensSpec(GrammarAST tree) { }

protected void enterTokenSpec(GrammarAST tree) { }

protected void exitTokenSpec(GrammarAST tree) { }

protected void enterChannelsSpec(GrammarAST tree) { }

protected void exitChannelsSpec(GrammarAST tree) { }

protected void enterChannelSpec(GrammarAST tree) { }

protected void exitChannelSpec(GrammarAST tree) { }

protected void enterAction(GrammarAST tree) { }

protected void exitAction(GrammarAST tree) { }

protected void enterRules(GrammarAST tree) { }

protected void exitRules(GrammarAST tree) { }

protected void enterMode(GrammarAST tree) { }

protected void exitMode(GrammarAST tree) { }

protected void enterLexerRule(GrammarAST tree) { }

protected void exitLexerRule(GrammarAST tree) { }

protected void enterRule(GrammarAST tree) { }

protected void exitRule(GrammarAST tree) { }

protected void enterExceptionGroup(GrammarAST tree) { }

protected void exitExceptionGroup(GrammarAST tree) { }

protected void enterExceptionHandler(GrammarAST tree) { }

protected void exitExceptionHandler(GrammarAST tree) { }

protected void enterFinallyClause(GrammarAST tree) { }

protected void exitFinallyClause(GrammarAST tree) { }

protected void enterLocals(GrammarAST tree) { }

protected void exitLocals(GrammarAST tree) { }

protected void enterRuleReturns(GrammarAST tree) { }

protected void exitRuleReturns(GrammarAST tree) { }

```
protected void enterThrowsSpec(GrammarAST tree) { }  
protected void exitThrowsSpec(GrammarAST tree) { }
```

```
protected void enterRuleAction(GrammarAST tree) { }  
protected void exitRuleAction(GrammarAST tree) { }
```

```
protected void enterRuleModifier(GrammarAST tree) { }  
protected void exitRuleModifier(GrammarAST tree) { }
```

```
protected void enterLexerRuleBlock(GrammarAST tree) { }  
protected void exitLexerRuleBlock(GrammarAST tree) { }
```

```
protected void enterRuleBlock(GrammarAST tree) { }  
protected void exitRuleBlock(GrammarAST tree) { }
```

```
protected void enterLexerOuterAlternative(AltAST tree) { }  
protected void exitLexerOuterAlternative(AltAST tree) { }
```

```
protected void enterOuterAlternative(AltAST tree) { }  
protected void exitOuterAlternative(AltAST tree) { }
```

```
protected void enterLexerAlternative(GrammarAST tree) { }  
protected void exitLexerAlternative(GrammarAST tree) { }
```

```
protected void enterLexerElements(GrammarAST tree) { }  
protected void exitLexerElements(GrammarAST tree) { }
```

```
protected void enterLexerElement(GrammarAST tree) { }  
protected void exitLexerElement(GrammarAST tree) { }
```

```
protected void enterLabeledLexerElement(GrammarAST tree) { }  
protected void exitLabeledLexerElement(GrammarAST tree) { }
```

```
protected void enterLexerBlock(GrammarAST tree) { }  
protected void exitLexerBlock(GrammarAST tree) { }
```

```
protected void enterLexerAtom(GrammarAST tree) { }  
protected void exitLexerAtom(GrammarAST tree) { }
```

```
protected void enterActionElement(GrammarAST tree) { }  
protected void exitActionElement(GrammarAST tree) { }
```

```
protected void enterAlternative(AltAST tree) { }  
protected void exitAlternative(AltAST tree) { }
```

```
protected void enterLexerCommand(GrammarAST tree) { }  
protected void exitLexerCommand(GrammarAST tree) { }
```

```
protected void enterLexerCommandExpr(GrammarAST tree) { }
protected void exitLexerCommandExpr(GrammarAST tree) { }

protected void enterElement(GrammarAST tree) { }
protected void exitElement(GrammarAST tree) { }

protected void enterAstOperand(GrammarAST tree) { }
protected void exitAstOperand(GrammarAST tree) { }

protected void enterLabeledElement(GrammarAST tree) { }
protected void exitLabeledElement(GrammarAST tree) { }

protected void enterSubrule(GrammarAST tree) { }
protected void exitSubrule(GrammarAST tree) { }

protected void enterLexerSubrule(GrammarAST tree) { }
protected void exitLexerSubrule(GrammarAST tree) { }

protected void enterBlockSuffix(GrammarAST tree) { }
protected void exitBlockSuffix(GrammarAST tree) { }

protected void enterEbnfSuffix(GrammarAST tree) { }
protected void exitEbnfSuffix(GrammarAST tree) { }

protected void enterAtom(GrammarAST tree) { }
protected void exitAtom(GrammarAST tree) { }

protected void enterBlockSet(GrammarAST tree) { }
protected void exitBlockSet(GrammarAST tree) { }

protected void enterSetElement(GrammarAST tree) { }
protected void exitSetElement(GrammarAST tree) { }

protected void enterBlock(GrammarAST tree) { }
protected void exitBlock(GrammarAST tree) { }

protected void enterRuleref(GrammarAST tree) { }
protected void exitRuleref(GrammarAST tree) { }

protected void enterRange(GrammarAST tree) { }
protected void exitRange(GrammarAST tree) { }

protected void enterTerminal(GrammarAST tree) { }
protected void exitTerminal(GrammarAST tree) { }

protected void enterElementOptions(GrammarAST tree) { }
protected void exitElementOptions(GrammarAST tree) { }
```



```
protected void enterElementOption(GrammarAST tree) { }
protected void exitElementOption(GrammarAST tree) { }
```

```
@Override
public void traceIn(String ruleName, int ruleIndex) {
    System.err.println("enter "+ruleName+": "+input.LT(1));
}
```

```
@Override
public void traceOut(String ruleName, int ruleIndex) {
    System.err.println("exit "+ruleName+": "+input.LT(1));
}
}
```

```
grammarSpec
```

```
@init {
    enterGrammarSpec($start);
}
@after {
    exitGrammarSpec($start);
}
: ^( GRAMMAR ID { grammarName=$ID.text; }
    { discoverGrammar((GrammarRootAST)$GRAMMAR, $ID); }
    prequelConstructs
    { finishPrequels($prequelConstructs.firstOne); }
    rules mode*
    { finishGrammar((GrammarRootAST)$GRAMMAR, $ID); }
)
;
```

```
prequelConstructs returns [GrammarAST firstOne=null]
```

```
@init {
    enterPrequelConstructs($start);
}
@after {
    exitPrequelConstructs($start);
}
: { $firstOne=$start; } prequelConstruct+
|
;
```

```
prequelConstruct
```

```
@init {
    enterPrequelConstructs($start);
}
@after {
    exitPrequelConstructs($start);
}
```

```

: optionsSpec
| delegateGrammars
| tokensSpec
| channelsSpec
| action
;

```

```

optionsSpec
@init {
enterOptionsSpec($start);
}
@after {
exitOptionsSpec($start);
}
: ^(OPTIONS option*)
;

```

```

option
@init {
enterOption($start);
boolean rule = inContext("RULE ...");
boolean block = inContext("BLOCK ...");
}
@after {
exitOption($start);
}
: ^(a=ASSIGN ID v=optionValue)
{
if ( block ) blockOption($ID, $v.start); // most specific first
else if ( rule ) ruleOption($ID, $v.start);
else grammarOption($ID, $v.start);
}
;

```

```

optionValue returns [String v]
@init {
enterOptionValue($start);
$v = $start.token.getText();
}
@after {
exitOptionValue($start);
}
: ID
| STRING_LITERAL
| INT
;

```

```

delegateGrammars

```

```

@init {
  enterDelegateGrammars($start);
}
@after {
  exitDelegateGrammars($start);
}
: ^(IMPORT delegateGrammar+)
;

```

```

delegateGrammar
@init {
  enterDelegateGrammar($start);
}
@after {
  exitDelegateGrammar($start);
}
: ^(ASSIGN label=ID id=ID {importGrammar($label, $id);}
| id=ID {importGrammar(null, $id);}
;

```

```

tokensSpec
@init {
  enterTokensSpec($start);
}
@after {
  exitTokensSpec($start);
}
: ^(TOKENS_SPEC tokenSpec+)
;

```

```

tokenSpec
@init {
  enterTokenSpec($start);
}
@after {
  exitTokenSpec($start);
}
: ID {defineToken($ID);}
;

```

```

channelsSpec
@init {
  enterChannelsSpec($start);
}
@after {
  exitChannelsSpec($start);
}
: ^(CHANNELS channelSpec+)
;

```

```

;

channelSpec
@init {
    enterChannelSpec($start);
}
@after {
    exitChannelSpec($start);
}
: ID {defineChannel($ID);}
;

action
@init {
    enterAction($start);
}
@after {
    exitAction($start);
}
: ^(AT sc=ID? name=ID ACTION) {globalNamedAction($sc, $name, (ActionAST)$ACTION);}
;

rules
@init {
    enterRules($start);
}
@after {
    exitRules($start);
}
: ^(RULES {discoverRules($RULES);} (rule|lexerRule)* {finishRules($RULES);})
;

mode
@init {
    enterMode($start);
}
@after {
    exitMode($start);
}
: ^( MODE ID {currentModeName=$ID.text; modeDef($MODE, $ID);} lexerRule* )
;

lexerRule
@init {
    enterLexerRule($start);
    List<GrammarAST> mods = new ArrayList<GrammarAST>();
    currentOuterAltNumber=0;
}

```

```

@after {
  exitLexerRule($start);
}
: ^( RULE TOKEN_REF
  {currentRuleName=$TOKEN_REF.text; currentRuleAST=$RULE;}
  (^ (RULEMODIFIERS m=FRAGMENT {mods.add($m);}))?
    {discoverLexerRule((RuleAST)$RULE, $TOKEN_REF, mods, (GrammarAST)input.LT(1));}
    lexerRuleBlock
    {
      finishLexerRule((RuleAST)$RULE, $TOKEN_REF, $lexerRuleBlock.start);
      currentRuleName=null; currentRuleAST=null;
    }
  )
;

rule
@init {
  enterRule($start);
  List<GrammarAST> mods = new ArrayList<GrammarAST>();
  List<GrammarAST> actions = new ArrayList<GrammarAST>(); // track roots
  currentOuterAltNumber=0;
}
@after {
  exitRule($start);
}
: ^( RULE RULE_REF {currentRuleName=$RULE_REF.text; currentRuleAST=$RULE;}
  (^ (RULEMODIFIERS (m=ruleModifier{mods.add($m.start);})+))?
  ARG_ACTION?
  ret=ruleReturns?
  thr=throwsSpec?
  loc=locals?
  ( opts=optionsSpec
  | a=ruleAction {actions.add($a.start);}
  )*
  {discoverRule((RuleAST)$RULE, $RULE_REF, mods, (ActionAST)$ARG_ACTION,
    $ret.start!=null?(ActionAST)$ret.start.getChild(0):null,
    $thr.start, $opts.start,
    $loc.start!=null?(ActionAST)$loc.start.getChild(0):null,
    actions, (GrammarAST)input.LT(1);}
  ruleBlock exceptionGroup
  {finishRule((RuleAST)$RULE, $RULE_REF, $ruleBlock.start); currentRuleName=null; currentRuleAST=null;}
  )
;

exceptionGroup
@init {
  enterExceptionGroup($start);
}

```

```

@after {
    exitExceptionGroup($start);
}
: exceptionHandler* finallyClause?
;

exceptionHandler
@init {
    enterExceptionHandler($start);
}
@after {
    exitExceptionHandler($start);
}
: ^(CATCH ARG_ACTION ACTION) {ruleCatch($ARG_ACTION, (ActionAST)$ACTION);}
;

finallyClause
@init {
    enterFinallyClause($start);
}
@after {
    exitFinallyClause($start);
}
: ^(FINALLY ACTION) {finallyAction((ActionAST)$ACTION);}
;

locals
@init {
    enterLocals($start);
}
@after {
    exitLocals($start);
}
: ^(LOCALS ARG_ACTION)
;

ruleReturns
@init {
    enterRuleReturns($start);
}
@after {
    exitRuleReturns($start);
}
: ^(RETURNS ARG_ACTION)
;

throwsSpec
@init {

```

```

enterThrowsSpec($start);
}
@after {
exitThrowsSpec($start);
}
: ^(THROWS ID+)
;

```

```

ruleAction
@init {
enterRuleAction($start);
}
@after {
exitRuleAction($start);
}
: ^(AT ID ACTION)
;

```

```

ruleModifier
@init {
enterRuleModifier($start);
}
@after {
exitRuleModifier($start);
}
: PUBLIC
| PRIVATE
| PROTECTED
| FRAGMENT
;

```

```

lexerRuleBlock
@init {
enterLexerRuleBlock($start);
}
@after {
exitLexerRuleBlock($start);
}
: ^( BLOCK
( {
currentOuterAltRoot = (GrammarAST)input.LT(1);
currentOuterAltNumber++;
}
lexerOuterAlternative
)+
)
;

```

```

ruleBlock
@init {
  enterRuleBlock($start);
}
@after {
  exitRuleBlock($start);
}
: ^( BLOCK
  ( {
    currentOuterAltRoot = (GrammarAST)input.LT(1);
    currentOuterAltNumber++;
  }
  outerAlternative
  )+
  )
;

```

```

lexerOuterAlternative
@init {
  enterLexerOuterAlternative((AltAST)$start);
  discoverOuterAlt((AltAST)$start);
}
@after {
  finishOuterAlt((AltAST)$start);
  exitLexerOuterAlternative((AltAST)$start);
}
: lexerAlternative
;

```

```

outerAlternative
@init {
  enterOuterAlternative((AltAST)$start);
  discoverOuterAlt((AltAST)$start);
}
@after {
  finishOuterAlt((AltAST)$start);
  exitOuterAlternative((AltAST)$start);
}
: alternative
;

```

```

lexerAlternative
@init {
  enterLexerAlternative($start);
}
@after {
  exitLexerAlternative($start);
}

```



```
}  
: ^(LEXER_ALT_ACTION lexerElements lexerCommand+)  
| lexerElements  
;
```

lexerElements

```
@init {  
  enterLexerElements($start);  
}  
@after {  
  exitLexerElements($start);  
}  
: ^(ALT lexerElement+)  
;
```

lexerElement

```
@init {  
  enterLexerElement($start);  
}  
@after {  
  exitLexerElement($start);  
}  
: labeledLexerElement  
| lexerAtom  
| lexerSubrule  
| ACTION {actionInAlt((ActionAST)$ACTION);}  
| SEMPRED {sempredInAlt((PredAST)$SEMPRED);}  
| ^(ACTION elementOptions) {actionInAlt((ActionAST)$ACTION);}  
| ^(SEMPRED elementOptions) {sempredInAlt((PredAST)$SEMPRED);}  
| EPSILON  
;
```

labeledLexerElement

```
@init {  
  enterLabeledLexerElement($start);  
}  
@after {  
  exitLabeledLexerElement($start);  
}  
: ^((ASSIGN|PLUS_ASSIGN) ID (lexerAtom|block))  
;
```

lexerBlock

```
@init {  
  enterLexerBlock($start);  
}  
@after {  
  exitLexerBlock($start);  
}
```

```
}  
: ^(BLOCK optionsSpec? lexerAlternative+)  
;
```

lexerAtom

```
@init {  
  enterLexerAtom($start);  
}  
@after {  
  exitLexerAtom($start);  
}  
:  
: terminal  
| ^(NOT blockSet)  
| blockSet  
| ^(WILDCARD elementOptions)  
| WILDCARD  
| LEXER_CHAR_SET  
| range  
| ruleref  
;
```

actionElement

```
@init {  
  enterActionElement($start);  
}  
@after {  
  exitActionElement($start);  
}  
:  
: ACTION  
| ^(ACTION elementOptions)  
| SEMPRED  
| ^(SEMPRED elementOptions)  
;
```

alternative

```
@init {  
  enterAlternative((AltAST)$start);  
  discoverAlt((AltAST)$start);  
}  
@after {  
  finishAlt((AltAST)$start);  
  exitAlternative((AltAST)$start);  
}  
:  
: ^(ALT elementOptions? element+)  
| ^(ALT elementOptions? EPSILON)  
;
```

lexerCommand

```

@init {
  enterLexerCommand($start);
}
@after {
  exitLexerCommand($start);
}
: ^(LEXER_ACTION_CALL ID lexerCommandExpr)
  {lexerCallCommand(currentOuterAltNumber, $ID, $lexerCommandExpr.start);}
| ID
  {lexerCommand(currentOuterAltNumber, $ID);}
;

```

```

lexerCommandExpr
@init {
  enterLexerCommandExpr($start);
}
@after {
  exitLexerCommandExpr($start);
}
: ID
| INT
;

```

```

element
@init {
  enterElement($start);
}
@after {
  exitElement($start);
}
: labeledElement
| atom
| subrule
| ACTION {actionInAlt((ActionAST)$ACTION);}
| SEMPRED {sempredInAlt((PredAST)$SEMPRED);}
| ^(ACTION elementOptions) {actionInAlt((ActionAST)$ACTION);}
| ^(SEMPRED elementOptions) {sempredInAlt((PredAST)$SEMPRED);}
| range
| ^(NOT blockSet)
| ^(NOT block)
;

```

```

astOperand
@init {
  enterAstOperand($start);
}
@after {
  exitAstOperand($start);
}

```

```

}
: atom
| ^(NOT blockSet)
| ^(NOT block)
;

labeledElement
@init {
enterLabeledElement($start);
}
@after {
exitLabeledElement($start);
}
: ^((ASSIGN|PLUS_ASSIGN) ID element) {label($start, $ID, $element.start);}
;

subrule
@init {
enterSubrule($start);
}
@after {
exitSubrule($start);
}
: ^(blockSuffix block)
| block
;

lexerSubrule
@init {
enterLexerSubrule($start);
}
@after {
exitLexerSubrule($start);
}
: ^(blockSuffix lexerBlock)
| lexerBlock
;

blockSuffix
@init {
enterBlockSuffix($start);
}
@after {
exitBlockSuffix($start);
}
: ebnfSuffix
;

```

```

ebnfSuffix
@init {
  enterEbnfSuffix($start);
}
@after {
  exitEbnfSuffix($start);
}
: OPTIONAL
| CLOSURE
| POSITIVE_CLOSURE
;

```

```

atom
@init {
  enterAtom($start);
}
@after {
  exitAtom($start);
}
: ^(DOT ID terminal)
| ^(DOT ID ruleref)
| ^(WILDCARD elementOptions) { wildcardRef($WILDCARD);}
| WILDCARD {wildcardRef($WILDCARD);}
| terminal
| blockSet
| ruleref
;

```

```

blockSet
@init {
  enterBlockSet($start);
}
@after {
  exitBlockSet($start);
}
: ^(SET setElement+)
;

```

```

setElement
@init {
  enterSetElement($start);
}
@after {
  exitSetElement($start);
}
: ^(STRING_LITERAL elementOptions) {stringRef((TerminalAST)$STRING_LITERAL);}
| ^(TOKEN_REF elementOptions) {tokenRef((TerminalAST)$TOKEN_REF);}
| STRING_LITERAL {stringRef((TerminalAST)$STRING_LITERAL);}

```

```

| TOKEN_REF          {tokenRef((TerminalAST)$TOKEN_REF);}
| ^(RANGE a=STRING_LITERAL b=STRING_LITERAL)
{
  stringRef((TerminalAST)$a);
  stringRef((TerminalAST)$b);
}
| LEXER_CHAR_SET
;

```

```

block
@init {
  enterBlock($start);
}
@after {
  exitBlock($start);
}
: ^(BLOCK optionsSpec? ruleAction* ACTION? alternative+)
;

```

```

ruleref
@init {
  enterRuleref($start);
}
@after {
  exitRuleref($start);
}
: ^(RULE_REF arg=ARG_ACTION? elementOptions?)
{
  ruleRef($RULE_REF, (ActionAST)$ARG_ACTION);
  if ( $arg!=null ) actionInAlt((ActionAST)$arg);
}
;

```

```

range
@init {
  enterRange($start);
}
@after {
  exitRange($start);
}
: ^(RANGE STRING_LITERAL STRING_LITERAL)
;

```

```

terminal
@init {
  enterTerminal($start);
}
@after {

```

```

exitTerminal($start);
}
: ^(STRING_LITERAL elementOptions)
    {stringRef((TerminalAST)$STRING_LITERAL);}
| STRING_LITERAL {stringRef((TerminalAST)$STRING_LITERAL);}
| ^(TOKEN_REF elementOptions) {tokenRef((TerminalAST)$TOKEN_REF);}
| TOKEN_REF {tokenRef((TerminalAST)$TOKEN_REF);}
;

elementOptions
@init {
enterElementOptions($start);
}
@after {
exitElementOptions($start);
}
: ^(ELEMENT_OPTIONS elementOption[(GrammarASTWithOptions)$start.getParent()]*);
;

elementOption[GrammarASTWithOptions t]
@init {
enterElementOption($start);
}
@after {
exitElementOption($start);
}
: ID {elementOption(t, $ID, null);}
| ^(ASSIGN id=ID v=ID) {elementOption(t, $id, $v);}
| ^(ASSIGN ID v=STRING_LITERAL) {elementOption(t, $ID, $v);}
| ^(ASSIGN ID v=ACTION) {elementOption(t, $ID, $v);}
| ^(ASSIGN ID v=INT) {elementOption(t, $ID, $v);}
;

```

Found in path(s):

* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/parse/GrammarTreeVisitor.g

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~ can be found in the LICENSE.txt file in the project root.

-->

Found in path(s):

* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/META-INF/maven/org/antlr/antlr4/pom.xml

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```
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 * THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
 */
```

```
tree grammar ATNBuilder;
```

```
options {
  language = Java;
  tokenVocab = ANTLRParser;
  ASTLabelType = GrammarAST;
  // filter = true;
}
```

```
// Include the copyright in this source and also the generated source
```

```
@header {
```

```
/*
```

```
[The "BSD license"]
```

```
Copyright (c) 2010 Terence Parr
```

```
All rights reserved.
```

```
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*/

```
package org.antlr.v4.parse;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
import org.antlr.v4.automata.ATNFactory;
}
```

```
@members {
    ATNFactory factory;
    public ATNBuilder(TreeNodeStream input, ATNFactory factory) {
        this(input);
        this.factory = factory;
    }
}
```

```
dummy : block[null] ; // avoid error about no start rule
```

```
ruleBlock[GrammarAST ebnfRoot] returns [ATNFactory.Handle p]
```

```
@init {
    List<ATNFactory.Handle> alts = new ArrayList<ATNFactory.Handle>();
    int alt = 1;
    factory.setCurrentOuterAlt(alt);
}
: ^(BLOCK
    (^ (OPTIONS .*)?
    ( a=alternative
        {alts.add($a.p); factory.setCurrentOuterAlt(++alt);}
    )+
    )
    {$p = factory.block((BlockAST)$BLOCK, ebnfRoot, alts);}
```

```

;

block[GrammarAST ebnfRoot] returns [ATNFactory.Handle p]
@init {List<ATNFactory.Handle> alts = new ArrayList<ATNFactory.Handle>();}
: ^(BLOCK (^OPTIONS .*)? (a=alternative {alts.add($a.p);})+
  {$p = factory.block((BlockAST)$BLOCK, ebnfRoot, alts);}
;

alternative returns [ATNFactory.Handle p]
@init {List<ATNFactory.Handle> els = new ArrayList<ATNFactory.Handle>();}
: ^(LEXER_ALT_ACTION a=alternative lexerCommands)
  {$p = factory.lexerAltCommands($a.p,$lexerCommands.p);}
| ^(ALT elementOptions? EPSILON)    {$p = factory.epsilon($EPSILON);}
| ^(ALT elementOptions? (e=element {els.add($e.p);})+) {$p = factory.alt(els);}
;

lexerCommands returns [ATNFactory.Handle p]
@init {List<ATNFactory.Handle> cmds = new ArrayList<ATNFactory.Handle>();}
: (c=lexerCommand {if ($c.cmd != null) cmds.add($c.cmd);})+
  {
  $p = factory.alt(cmds);
  }
;

lexerCommand returns [ATNFactory.Handle cmd]
: ^(LEXER_ACTION_CALL ID lexerCommandExpr)
  {$cmd = factory.lexerCallCommand($ID, $lexerCommandExpr.start);}
| ID
  {$cmd = factory.lexerCommand($ID);}
;

lexerCommandExpr
: ID
| INT
;

element returns [ATNFactory.Handle p]
: labeledElement {$p = $labeledElement.p;}
| atom    {$p = $atom.p;}
| subrule {$p = $subrule.p;}
| ACTION  {$p = factory.action((ActionAST)$ACTION);}
| SEMPRED {$p = factory.sempred((PredAST)$SEMPRED);}
| ^(ACTION .) {$p = factory.action((ActionAST)$ACTION);}
| ^(SEMPRED .) {$p = factory.sempred((PredAST)$SEMPRED);}
| ^(NOT b=blockSet[true]) {$p = $b.p;}
| LEXER_CHAR_SET {$p = factory.charSetLiteral($start);}
;

```

```

astOperand returns [ATNFactory.Handle p]
: atom    {$p = $atom.p;}
| ^(NOT blockSet[true]) {$p = $blockSet.p;}
;

```

```

labeledElement returns [ATNFactory.Handle p]
: ^(ASSIGN ID element) {$p = factory.label($element.p);}
| ^(PLUS_ASSIGN ID element) {$p = factory.listLabel($element.p);}
;

```

```

subrule returns [ATNFactory.Handle p]
: ^(OPTIONAL block[$start]) {$p = $block.p;}
| ^(CLOSURE block[$start]) {$p = $block.p;}
| ^(POSITIVE_CLOSURE block[$start]) {$p = $block.p;}
| block[null] {$p = $block.p;}
;

```

```

blockSet[boolean invert] returns [ATNFactory.Handle p]
@init {List<GrammarAST> alts = new ArrayList<GrammarAST>();}
: ^(SET (setElement {alts.add($setElement.start);})+) {$p = factory.set($start, alts, $invert);}
;

```

*/** Don't combine with atom otherwise it will build spurious ATN nodes */*

```

setElement
: ^(STRING_LITERAL .)
| ^(TOKEN_REF .)
| STRING_LITERAL
| TOKEN_REF
| ^(RANGE a=STRING_LITERAL b=STRING_LITERAL)
| LEXER_CHAR_SET
;

```

```

atom returns [ATNFactory.Handle p]
: range {$p = $range.p;}
| ^(DOT ID terminal) {$p = $terminal.p;}
| ^(DOT ID ruleref) {$p = $ruleref.p;}
| ^(WILDCARD .) {$p = factory.wildcard($start);}
| WILDCARD {$p = factory.wildcard($start);}
| blockSet[false] {$p = $blockSet.p;}
| terminal {$p = $terminal.p;}
| ruleref {$p = $ruleref.p;}
;

```

```

ruleref returns [ATNFactory.Handle p]
: ^(RULE_REF ARG_ACTION? ^(ELEMENT_OPTIONS .*)) {$p = factory.ruleRef($RULE_REF);}
| ^(RULE_REF ARG_ACTION?) {$p = factory.ruleRef($RULE_REF);}
| RULE_REF {$p = factory.ruleRef($RULE_REF);}
;

```

```
range returns [ATNFactory.Handle p]
: ^(RANGE a=STRING_LITERAL b=STRING_LITERAL) {$p = factory.range($a,$b);}
;
```

```
terminal returns [ATNFactory.Handle p]
: ^(STRING_LITERAL .) {$p = factory.stringLiteral((TerminalAST)$start);}
| STRING_LITERAL {$p = factory.stringLiteral((TerminalAST)$start);}
| ^(TOKEN_REF ARG_ACTION .) {$p = factory.tokenRef((TerminalAST)$start);}
| ^(TOKEN_REF .) {$p = factory.tokenRef((TerminalAST)$start);}
| TOKEN_REF {$p = factory.tokenRef((TerminalAST)$start);}
;
```

```
elementOptions
: ^(ELEMENT_OPTIONS elementOption*)
;
```

```
elementOption
: ID
| ^(ASSIGN ID ID)
| ^(ASSIGN ID STRING_LITERAL)
| ^(ASSIGN ID ACTION)
| ^(ASSIGN ID INT)
;
```

Found in path(s):

```
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-
jar/org/antlr/v4/parse/ATNBuilder.g
```

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```

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*/

/*

This file contains the actual layout of the messages emitted by ANTLR.

The text itself is coming out of the languages/*stg files, according to the chosen locale.

This file contains the format that mimicks GCC output.

*/

location(file, line, column) ::= "<file>:<line>:<column>:"

message(id, text) ::= "<text> [error <id>]"

report(location, message, type) ::= "<location> <type>: <message>"

wantsSingleLineMessage() ::= "true"

Found in path(s):

* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-
jar/org/antlr/v4/tool/templates/messages/formats/gnu.stg

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*/
```

```
dartTypeInitMap ::= [
  "int": "0",
  "double": "0.0",
  "bool": "false",
  default: "null" // anything other than a primitive type is an object
]
```

```
// args must be <object-model-object>, <fields-resulting-in-STs>
```

```
ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
  <fileHeader(file.grammarFileName, file.ANTLRVersion)>
  <if(file.genPackage)>
  library <file.genPackage>;
```

```
import 'package:antlr4/antlr4.dart';
import 'dart:io';
```

```
<if(file.genListener)>
part '<file.grammarName>Listener.dart';
part '<file.grammarName>BaseListener.dart';
<endif>
<if(file.genVisitor)>
part '<file.grammarName>Visitor.dart';
part '<file.grammarName>BaseVisitor.dart';
<endif>
part '<file.grammarName>Lexer.dart';
<else>
import 'package:antlr4/antlr4.dart';
import 'dart:io';
```

```
<if(file.genListener)>
import '<file.grammarName>Listener.dart';
import '<file.grammarName>BaseListener.dart';
<endif>
<if(file.genVisitor)>
```

```

import '<file.grammarName>Visitor.dart';
import '<file.grammarName>BaseVisitor.dart';
<endif>
<endif>

<namedActions.header>
<parser>
>>

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
part of <file.genPackage>;
<else>
import 'package:antlr4/antlr4.dart';

import '<file.parserName>.dart';
<endif>
<header>

/// This abstract class defines a complete listener for a parse tree produced by
/// [<file.parserName>].
abstract class <file.grammarName>Listener extends ParseTreeListener {
<file.listenerNames>: { Iname |
<if(file.listenerLabelRuleNames.(Iname))>
/// Enter a parse tree produced by the [<Iname>]
/// labeled alternative in [file.parserName>.<file.listenerLabelRuleNames.(Iname)>].
<else>
/// Enter a parse tree produced by [<file.parserName>.<Iname>].
<endif>
/// [ctx] the parse tree
void enter<Iname; format="cap">(<Iname; format="cap">Context ctx);
<if(file.listenerLabelRuleNames.(Iname))>
/// Exit a parse tree produced by the [<Iname>]
/// labeled alternative in [<file.parserName>.<file.listenerLabelRuleNames.(Iname)>].
<else>
/// Exit a parse tree produced by [<file.parserName>.<Iname>].
<endif>
/// [ctx] the parse tree
void exit<Iname; format="cap">(<Iname; format="cap">Context ctx);}; separator="\n">
}
>>

BaseListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
part of <file.genPackage>;
<else>

```

```

import 'package:antlr4/antlr4.dart';

import '<file.parserName>.dart';
import '<file.grammarName>Listener.dart';
<endif>

<header>

/// This class provides an empty implementation of [<file.grammarName>Listener],
/// which can be extended to create a listener which only needs to handle
/// a subset of the available methods.
class <file.grammarName>BaseListener implements <file.grammarName>Listener {
  <file.listenerNames>:{Iname |

  /// The default implementation does nothing.
  @override
  void enter<Iname; format="cap">(<Iname; format="cap">Context ctx) {}

  /// The default implementation does nothing.
  @override
  void exit<Iname; format="cap">(<Iname; format="cap">Context ctx) {}}; separator="\n">

  /// The default implementation does nothing.
  @override
  void enterEveryRule(ParserRuleContext ctx) {}

  /// The default implementation does nothing.
  @override
  void exitEveryRule(ParserRuleContext ctx) {}

  /// The default implementation does nothing.
  @override
  void visitTerminal(TerminalNode node) {}

  /// The default implementation does nothing.
  @override
  void visitErrorNode(ErrorNode node) {}
}

>>

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
part of <file.genPackage>;
<else>
import 'package:antlr4/antlr4.dart';

```



```

import '<file.parserName>.dart';
<endif>
<header>

/// This abstract class defines a complete generic visitor for a parse tree
/// produced by [<file.parserName>].
///
/// [T] is the return type of the visit operation. Use `void` for
/// operations with no return type.
abstract class <file.grammarName>Visitor<T> extends ParseTreeVisitor<T> {
  <file.visitorNames>: { lname |
  <if(file.visitorLabelRuleNames.(lname))>
  /// Visit a parse tree produced by the { @code <lname>}
  /// labeled alternative in { @link <file.parserName>#<file.visitorLabelRuleNames.(lname)>}.
  <else>
  /// Visit a parse tree produced by [<file.parserName>.<lname>].
  <endif>
  /// [ctx] the parse tree.
  /// Return the visitor result.
  T visit<lname; format="cap">(<lname; format="cap">Context ctx); separator="\n"
  }
  >>

BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
part of <file.genPackage>;
<else>
import 'package:antlr4/antlr4.dart';

import '<file.parserName>.dart';
import '<file.grammarName>Visitor.dart';
<endif>
<header>

/// This class provides an empty implementation of [<file.grammarName>Visitor],
/// which can be extended to create a visitor which only needs to handle
/// a subset of the available methods.
///
/// [T] is the return type of the visit operation. Use `void` for
/// operations with no return type.
class <file.grammarName>BaseVisitor<T> extends ParseTreeVisitor<T> implements
<file.grammarName>Visitor<T> {
  <file.visitorNames>: { lname |
  /// The default implementation returns the result of calling
  /// [visitChildren] on [ctx].
  @override
  T visit<lname; format="cap">(<lname; format="cap">Context ctx) => visitChildren(ctx); separator="\n"
}

```

```

}
>>

fileHeader(grammarFileName, ANTLRVersion) ::= <<
// Generated from <grammarFileName> by ANTLR <ANTLRVersion>
// ignore_for_file: unused_import, unused_local_variable, prefer_single_quotes
>>

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
<if(namedActions.definitions)><namedActions.definitions><endif>
<if(parser.rules)>
const int <parser.rules:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>;
<endif>
class <parser.name> extends <superClass; null="Parser"> {
    static final checkVersion = () => RuntimeMetaData.checkVersion('<file.ANTLRVersion>',
RuntimeMetaData.VERSION);
    static const int TOKEN_EOF = IntStream.EOF;

    static final List<DFA> _decisionToDFA = List.generate(
        _ATN.numberOfDecisions, (i) => DFA(_ATN.getDecisionState(i), i));
    static final PredictionContextCache _sharedContextCache = PredictionContextCache();
    <if(parser.tokens)>
    static const int <parser.tokens:{k | TOKEN_<k> = <parser.tokens.(k)>}; separator=", ", wrap, anchor>;
    <endif>

    @override
    final List<String> ruleNames = [
        <parser.ruleNames:{r | '<r>'}; separator=", ", wrap, anchor>
    ];

    <vocabulary(parser.literalNames, parser.symbolicNames)>

    @override
    String get grammarFileName => '<parser.grammarFileName>';

    @override
    String get serializedATN => _serializedATN;

    @override
    ATN getATN() {
        return _ATN;
    }

    <namedActions.members>

```

```

<parser:(ctor)()>
<funcs; separator="\n">

<if(sempredFuncs)>
@override
bool sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
    switch (ruleIndex) {
        <parser.sempredFuncs.values:{f}
case <f.ruleIndex>:
return _<f.name>_sempred(_localctx, predIndex);}; separator="\n">
    }
    return true;
}
<sempredFuncs.values; separator="\n">
<endif>

<atn>
}
<funcs:{ func | <if(func.ruleCtx)><func.ruleCtx><endif>}; separator="\n\n">

<funcs:{ func | <if(func.altLabelCtxs)><func.altLabelCtxs:{l | <func.altLabelCtxs.(l)>};
separator="\n\n"><endif>}>
>>

vocabulary(literalNames, symbolicNames) ::= <<
static final List<String> _LITERAL_NAMES = [
    <literalNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
];
static final List<String> _SYMBOLIC_NAMES = [
    <symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
];
static final Vocabulary VOCABULARY = VocabularyImpl(_LITERAL_NAMES, _SYMBOLIC_NAMES);

@override
Vocabulary get vocabulary {
    return VOCABULARY;
}
>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
void action(RuleContext _localctx, int ruleIndex, int actionIndex) {
    switch (ruleIndex) {
        <recog.actionFuncs.values:{f}
case <f.ruleIndex>:
    _<f.name>_action(_localctx, actionIndex);
    break;}; separator="\n">
    }
}

```

```

}
<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>
bool sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
  switch (ruleIndex) {
    <recog.sempredFuncs.values: {f|
  case <f.ruleIndex>:
    return _<f.name>_sempred(_localctx, predIndex);}; separator="\n">
  }
  return true;
}
<sempredFuncs.values; separator="\n">
<endif>
>>

parser_ctor(p) ::= <<
<p.name>(TokenStream input) : super(input) {
  interpreter = ParserATNSimulator(this, _ATN, _decisionToDFA, _sharedContextCache);
}
>>

/// This generates a private method since the actionIndex is generated, making an
/// overriding implementation impossible to maintain.
RuleActionFunction(r, actions) ::= <<
void _<r.name>_action(<r.ctxType> _localctx, int actionIndex) {
  switch (actionIndex) {
    <actions: {index|case <index>: <actions.(index)> break;}; separator="\n">
  }
}
>>

/// This generates a private method since the predIndex is generated, making an
/// overriding implementation impossible to maintain.
RuleSempredFunction(r, actions) ::= <<
bool _<r.name>_sempred(<r.ctxType> _localctx, int predIndex) {
  switch (predIndex) {
    <actions: {index|case <index>: return <actions.(index)>;}; separator="\n">
  }
  return true;
}
>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

<if(currentRule.modifiers)><currentRule.modifiers: {f | <f> }><else><endif><currentRule.ctxType>
<currentRule.name>(<args; separator=", ">) {

```

```

dynamic _localctx = <currentRule.ctxType>(context, state<currentRule.args:{ a | , <a.name>}>);
enterRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>);
<namedActions.init>
<locals; separator="\n">
try {
<if(currentRule.hasLookaheadBlock)>
  int _alt;
<endif>
  <code>
  <postamble; separator="\n">
  <namedActions.after>
} <if(exceptions)> <exceptions; separator="\n"><else>on RecognitionException catch (re) {
  _localctx.exception = re;
  errorHandler.reportError(this, re);
  errorHandler.recover(this, re);
}<endif> finally {
  <finallyAction>
  exitRule();
}
return _localctx;
}
>>

```

```

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
namedActions,finallyAction,postamble) ::=
<<

```

```

<currentRule.ctxType> <currentRule.name>([int _p = 0]<args:{ a | , <a>}>) {
final _parentctx = context;
final _parentState = state;
dynamic _localctx = <currentRule.ctxType>(context, _parentState<currentRule.args:{ a | , <a.name>}>);
var _prevctx = _localctx;
var _startState = <currentRule.startState>;
enterRecursionRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>, _p);
<namedActions.init>
<locals; separator="\n">
try {
<if(currentRule.hasLookaheadBlock)>
  int _alt;
<endif>
  <code>
  <postamble; separator="\n">
  <namedActions.after>
} on RecognitionException catch (re) {
  _localctx.exception = re;
  errorHandler.reportError(this, re);
  errorHandler.recover(this, re);
} finally {

```

```

    <finallyAction>
    unrollRecursionContexts(_parentctx);
  }
  return _localctx;
}
>>

```

```

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>_localctx = <currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(_localctx);<endif>
enterOuterAlt(_localctx, <currentOuterMostAltCodeBlock.alt.altNum>);
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

```

```

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
>>

```

```

LL1AltBlock(choice, preamble, alts, error) ::= <<
state = <choice.stateNumber>;
errorHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = tokenStream.LT(1);<endif>
<preamble; separator="\n">
switch (tokenStream.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  break;}; separator="\n">
default:
  <error>
}
>>

```

```

LL1OptionalBlock(choice, alts, error) ::= <<
state = <choice.stateNumber>;
errorHandler.sync(this);
switch (tokenStream.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  break;}; separator="\n">
default:
  break;
}
>>

```

```

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
state = <choice.stateNumber>;

```

```

errorHandler.sync(this);
<preamble; separator="\n">
if (<expr>) {
  <alts; separator="\n">
}
<!else if ( !(<followExpr> ) <error>!>
>>

```

```

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
state = <choice.stateNumber>;
errorHandler.sync(this);
<preamble; separator="\n">
while (<loopExpr>) {
  <alts; separator="\n">
  state = <choice.loopBackStateNumber>;
  errorHandler.sync(this);
  <iteration>
}
>>

```

```

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
state = <choice.blockStartStateNumber>; <! alt block decision !>
errorHandler.sync(this);
<preamble; separator="\n">
do {
  <alts; separator="\n">
  state = <choice.stateNumber>; <! loopback/exit decision !>
  errorHandler.sync(this);
  <iteration>
} while (<loopExpr>);
>>

```

// LL(*) stuff

```

AltBlock(choice, preamble, alts, error) ::= <<
state = <choice.stateNumber>;
errorHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = tokenStream.LT(1);<endif>
<preamble; separator="\n">
switch (interpreter.adaptivePredict(tokenStream, <choice.decision>, context)) {
<alts:{ alt |
case <i>:
  <alt>
  break;}; separator="\n">
}
>>

```

```

OptionalBlock(choice, alts, error) ::= <<

```

```

state = <choice.stateNumber>;
errorHandler.sync(this);
switch (interpreter.adaptivePredict(tokenStream, <choice.decision>, context)) {
<alts:{alt |
case <i><if(!choice.ast.greedy)>+1<endif>:
<alt>
break;}; separator="\n">
}
>>

```

```

StarBlock(choice, alts, sync, iteration) ::= <<
state = <choice.stateNumber>;
errorHandler.sync(this);
_alt = interpreter.adaptivePredict(tokenStream, <choice.decision>, context);
while (_alt != <choice.exitAlt> && _alt != ATN.INVALID_ALT_NUMBER) {
if (_alt == 1<if(!choice.ast.greedy)> + 1<endif>) {
<iteration>
<alts> <! should only be one !>
}
state = <choice.loopBackStateNumber>;
errorHandler.sync(this);
_alt = interpreter.adaptivePredict(tokenStream, <choice.decision>, context);
}
>>

```

```

PlusBlock(choice, alts, error) ::= <<
state = <choice.blockStartStateNumber>; <! alt block decision !>
errorHandler.sync(this);
_alt = 1<if(!choice.ast.greedy)>+1<endif>;
do {
switch (_alt) {
<alts:{alt|
case <i><if(!choice.ast.greedy)> + 1<endif>:
<alt>
break;}; separator="\n">
default:
<error>
}
state = <choice.loopBackStateNumber>; <! loopback/exit decision !>
errorHandler.sync(this);
_alt = interpreter.adaptivePredict(tokenStream, <choice.decision>, context);
} while (_alt != <choice.exitAlt> && _alt != ATN.INVALID_ALT_NUMBER);
>>

```

```

Sync(s) ::= "sync(<s.expecting.name>);"

```

```

ThrowNoViableAlt(t) ::= "throw NoViableAltException(this);"

```



```

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.ttypes))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">
>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({ <offsetShift(s.varName, bits.shift)>})> && ((BigInt.one \<< <offsetShift(s.varName,
bits.shift)>) & (<bits.ttypes:{ ttype | (BigInt.one \<< <offsetShift({TOKEN_<ttype>}, bits.shift)>}); separator=" |
">)) != BigInt.zero)
%>

isZero ::= [
"0":true,
default:false
]

offsetShift(shiftAmount, offset) ::= <%
<if(!isZero.(offset))><shiftAmount> - <offset><else><shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ ttype | <s.varName> == TOKEN_<ttype>}; separator=" || ">
%>

cases(ttypes) ::= <<
<ttypes:{t | case TOKEN_<t>:}; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::=<<
state = <r.stateNumber>;
<if(r.labels)><r.labels:{1 | <labelref(l)> =
}><endif><r.name><(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprsChunks>
);
>>

MatchToken(m) ::= <<
state = <m.stateNumber>;
<if(m.labels)><m.labels:{1 | <labelref(l)> = }><endif>match(TOKEN_<m.name>);
>>

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

```

```
MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"
```

```
CommonSetStuff(m, expr, capture, invert) ::= <<  
state = <m.stateNumber>;  
<if(m.labels)><m.labels:{1 | <labelref(l)> = }>tokenStream.LT(1);<endif>  
<capture>  
if (<if(invert)><m.varName> \<= 0 || <else>!<endif><expr>) {  
  <if(m.labels)><m.labels:{1 | <labelref(l)> = }><endif>errorHandler.recoverInline(this);  
  } else {  
    if ( tokenStream.LA(1)==IntStream.EOF ) matchedEOF = true;  
    errorHandler.reportMatch(this);  
    consume();  
  }  
>>
```

```
Wildcard(w) ::= <<  
state = <w.stateNumber>;  
<if(w.labels)><w.labels:{1 | <labelref(l)> = }><endif>matchWildcard();  
>>
```

```
// ACTION STUFF
```

```
Action(a, foo, chunks) ::= "<chunks>"
```

```
ArgAction(a, chunks) ::= "<chunks>"
```

```
SemPred(p, chunks, failChunks) ::= <<  
state = <p.stateNumber>;  
if (!<chunks>) {  
  throw FailedPredicateException(this, <p.predicate><if(failChunks)>, <failChunks><elseif(p.msg)>,  
<p.msg><endif>);  
}  
>>
```

```
ExceptionClause(e, catchArg, catchAction) ::= <<  
catch (<catchArg>) {  
  <catchAction>  
}  
>>
```

```
// lexer actions are not associated with model objects
```

```
LexerSkipCommand() ::= "skip()";
```

```
LexerMoreCommand() ::= "more()";
```

```
LexerPopModeCommand() ::= "popMode()";
```

```
LexerTypeCommand(arg, grammar) ::= "type = <arg>";
```

```

LexerChannelCommand(arg, grammar) ::= "channel = <arg>";
LexerModeCommand(arg, grammar) ::= "mode_ = <arg>";
LexerPushModeCommand(arg, grammar) ::= "pushMode(<arg>);"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "_localctx.<a.name>"
LocalRef(a) ::= "_localctx.<a.name>"
RetValRef(a) ::= "_localctx.<a.name>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.name>"
LabelRef(t) ::= "<ctx(t)>.<t.name>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>";

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "<ctx(t)>.<t.label>?.text"
TokenPropertyRef_type(t) ::= "<ctx(t)>.<t.label> != null ? <ctx(t)>.<t.label>.type : 0"
TokenPropertyRef_line(t) ::= "<ctx(t)>.<t.label> != null ? <ctx(t)>.<t.label>.line : 0"
TokenPropertyRef_pos(t) ::= "<ctx(t)>.<t.label> != null ? <ctx(t)>.<t.label>.charPositionInLine : 0"
TokenPropertyRef_channel(t) ::= "<ctx(t)>.<t.label> != null ? <ctx(t)>.<t.label>.channel : 0"
TokenPropertyRef_index(t) ::= "<ctx(t)>.<t.label> != null ? <ctx(t)>.<t.label>.tokenIndex : 0"
TokenPropertyRef_int(t) ::= "<ctx(t)>.<t.label> != null ? int.parse(<ctx(t)>.<t.label>.text) : 0"

RulePropertyRef_start(r) ::= "<ctx(r)>.<r.label>?.start"
RulePropertyRef_stop(r) ::= "<ctx(r)>.<r.label>?.stop"
RulePropertyRef_text(r) ::= "<ctx(r)>.<r.label> != null ? tokenStream.getTextRange(<ctx(r)>.<r.label>.start,
<ctx(r)>.<r.label>.stop) : null)"
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "this"

ThisRulePropertyRef_start(r) ::= "_localctx.start"
ThisRulePropertyRef_stop(r) ::= "_localctx.stop"
ThisRulePropertyRef_text(r) ::= "tokenStream.getTextRange(_localctx.start, tokenStream.LT(-1))"
ThisRulePropertyRef_ctx(r) ::= "_localctx"
ThisRulePropertyRef_parser(r) ::= "this"

NonLocalAttrRef(s) ::= "(getInvokingContext(<s.ruleIndex>) as <s.ruleName; format=\"cap\">Context).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::=
"(getInvokingContext(<s.ruleIndex>) as <s.ruleName; format=\"cap\">Context).<s.name> = <rhsChunks>";

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.add(<labelref(a.label)>);"

TokenDecl(t) ::= "<TokenLabelType() <t.name>"
TokenTypeDecl(t) ::= "int <t.name>";

```

```

TokenListDecl(t) ::= "List<Token> <t.name> = List<Token>()"
RuleContextDecl(r) ::= "<r.ctxName> <r.name>"
RuleContextListDecl(rdecl) ::= "List<<rdecl.ctxName>> <rdecl.name> = List<<rdecl.ctxName>>()"

ContextTokenGetterDecl(t) ::= <<
TerminalNode <t.name>() => getToken(<parser.name>.TOKEN_<t.name>, 0);
>>

ContextTokenListGetterDecl(t) ::= <<
List<TerminalNode> <t.name>s() => getTokens(<parser.name>.TOKEN_<t.name>);
>>

ContextTokenListIndexedGetterDecl(t) ::= <<
TerminalNode <t.name>(int i) => getToken(<parser.name>.TOKEN_<t.name>, i);
>>

ContextRuleGetterDecl(r) ::= <<
<r.ctxName> <r.name>() => getRuleContext<<r.ctxName>>();
>>

ContextRuleListGetterDecl(r) ::= <<
List<<r.ctxName>> <r.name>s() => getRuleContexts<<r.ctxName>>();
>>

ContextRuleListIndexedGetterDecl(r) ::= <<
<r.ctxName> <r.name>(int i) => getRuleContext<<r.ctxName>>(i);
>>

LexerRuleContext() ::= "RuleContext"

/// The rule context name is the rule followed by a suffix; e.g.,
/// r becomes rContext.
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "_<tokenName>"
ImplicitRuleLabel(ruleName) ::= "_<ruleName>"
ImplicitSetLabel(id) ::= "_tset<id>"
ListLabelName(label) ::= "<label>"

CaptureNextToken(d) ::= "<d.varName> = tokenStream.LT(1);"
CaptureNextTokenType(d) ::= "<d.varName> = tokenStream.LA(1);"

StructDecl(struct,ctorAttrs,attrs, getters,dispatchMethods,interfaces,extensionMembers)
::= <<
class <struct.name> extends
<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)> implements
<interfaces; separator=", "><endif> {
<attrs:{ a | <a>; } separator="\n">
<getters:{ g | <g>; } separator="\n">
<struct.name>([ParserRuleContext parent, int invokingState<ctorAttrs:{ a | , <a>>}]) : super(parent,
invokingState)<if(struct.ctorAttrs)> {
<struct.ctorAttrs:{ a | this.<a.name> = <a.name>; } separator="\n">
}<else>;<endif>
}

```

```

@override
int get ruleIndex => RULE_<struct.derivedFromName>;
<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
@override
void copyFrom(<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif> ctx) {
  super.copyFrom(ctx);
  <struct.attrs:{a | this.<a.name> = (ctx as <struct.name>).<a.name>;}; separator="\n">
}
<endif>
<dispatchMethods; separator="\n">
<extensionMembers; separator="\n">
}
>>

```

```

AltLabelStructDecl(struct,attrs, getters,dispatchMethods) ::= <<
class <struct.name> extends <struct.parentRule; format="cap">Context {
  <attrs:{a | <a>;}; separator="\n">
  <getters:{g | <g>;}; separator="\n">
  <struct.name>(<struct.parentRule; format="cap">Context ctx) { copyFrom(ctx); }
  <dispatchMethods; separator="\n">
}
>>

```

```

ListenerDispatchMethod(method) ::= <<
@override
void <if(method.isEnter)>enter<else>exit<endif>Rule(ParseTreeListener listener) {
  if (listener is <parser.grammarName>Listener)
  listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">(this);
}
>>

```

```

VisitorDispatchMethod(method) ::= <<
@override
T accept\<T>(ParseTreeVisitor\<T> visitor) {
  if (visitor is <parser.grammarName>Visitor\<T>) {
    return visitor.visit<struct.derivedFromName; format="cap">(this);
  } else {
    return visitor.visitChildren(this);
  }
}
>>

```

```

AttributeDecl(d) ::= "<d.type> <d.name><if(d.initValue)> = <d.initValue><endif>"

```

```

// If we don't know location of label def x, use this template
labelref(x) ::= "<if(!x.isLocal)>_localctx.<endif><x.name>"

```

```

// For any action chunk, what is correctly-typed context struct ptr?
ctx(actionChunk) ::= "_localctx"

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "precpred(context, <opPrec>)"
recRuleSetReturnAction(src,name) ::= "$<name> = $<src>.<name>;"
recRuleSetStopToken() ::= "context.stop = tokenStream.LT(-1);"

recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
_localctx = <ctxName>Context(_parentctx, _parentState);
<if(label)>
<if(isListLabel)>
_localctx.<label>.add(_prevctx);
<else>
_localctx.<label> = _prevctx;
<endif>
<endif>
pushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
>>

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
_localctx = <currentAltLabel; format="cap">Context(new <ruleName; format="cap">Context(_parentctx,
_parentState));
<if(label)>
<if(isListLabel)>
_localctx.<label>.add(_prevctx);
<else>
_localctx.<label> = _prevctx;
<endif>
<endif>
pushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
>>

recRuleReplaceContext(ctxName) ::= <<
_localctx = <ctxName>Context(_localctx);
context = _localctx;
_prevctx = _localctx;
>>

recRuleSetPrevCtx() ::= <<
if (parseListeners != null) triggerExitRuleEvent();
_prevctx = _localctx;
>>

LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
<if(lexerFile.genPackage)>

```

```

part of <lexerFile.genPackage>;
<else>
import 'package:antlr4/antlr4.dart';
<endif>
<namedActions.header>

<lexer>
>>

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
<if(namedActions.definitions)><namedActions.definitions><endif>

class <lexer.name> extends <superClass; null="Lexer"> {
  static final checkVersion = () => RuntimeMetaData.checkVersion('<lexerFile.ANTLRVersion>',
RuntimeMetaData.VERSION);

  static final List<DFA> _decisionToDFA = List.generate(
    _ATN.numberOfDecisions, (i) => DFA(_ATN.getDecisionState(i), i));
  static final PredictionContextCache _sharedContextCache = PredictionContextCache();
  <if(lexer.tokens)>
  static const int
    <lexer.tokens:{k | TOKEN_<k> = <lexer.tokens.(k)>}; separator=", ", wrap, anchor>;
  <endif>
  <if(lexer.channels)>
  static const int
    <lexer.channels:{c | <c> = <lexer.channels.(c)>}; separator=", ", wrap, anchor>;
  <endif>
  <if(rest(lexer.modes)>
  static const int
    <rest(lexer.modes):{m | <m> = <i>}; separator=", ", wrap, anchor>;
  <endif>

  @override
  final List<String> channelNames = [
    'DEFAULT_TOKEN_CHANNEL', 'HIDDEN'<if (lexer.channels)>, <lexer.channels:{c| '<c>'}; separator=", ",
wrap, anchor><endif>
  ];

  @override
  final List<String> modeNames = [
    <lexer.modes:{m| '<m>'}; separator=", ", wrap, anchor>
  ];

  @override
  final List<String> ruleNames = [
    <lexer.ruleNames:{r| '<r>'}; separator=", ", wrap, anchor>
  ];

```

```

<vocabulary(lexer.literalNames, lexer.symbolicNames)>

<namedActions.members>

<lexer.name>(CharStream input) : super(input) {
  interpreter = LexerATNSimulator(_ATN, _decisionToDFA, _sharedContextCache, recog: this);
}

@Override
String get serializedATN => _serializedATN;

@Override
String get grammarFileName => '<lexer.grammarFileName>';

@Override
ATN getATN() { return _ATN; }

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>
<atn>
}
>>

SerializedATN(model) ::= <<
<if(rest(model.segments))>
<! requires segmented representation !>
static const int _serializedATNSegments = <length(model.segments)>;
<model.segments:{segment|static final String _serializedATNSegment<i0> =
'<segment; wrap={'<\n><\t>'}>';}; separator="\n">
static final String _serializedATN = [
  <model.segments:{segment | _serializedATNSegment<i0>}; separator=",\n">
].join();
<else>
<! only one segment, can be inlined !>
static const String _serializedATN = '<model.serialized; wrap={'<\n><\t>'}>';
<endif>
static final ATN _ATN =
  ATNDeserializer().deserialize(_serializedATN.codeUnits);
>>

/// Using a type to init value map, try to init a type; if not in table
/// must be an object, default value is "null".
initValue(typeName) ::= <<
<dartTypeInitMap.(typeName)>
>>

codeFileExtension() ::= ".dart"

```

Found in path(s):

* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/tool/templates/codegen/Dart/Dart.stg

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* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/parse/ATNBuilder.java

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*/

/*

This file contains the actual layout of the messages emitted by ANTLR.

This file contains the default format ANTLR uses.

*/

location(file, line, column) ::= "<file>:<line>:<column>:"

message(id, text) ::= "<id> <text>"

report(location, message, type) ::= "<type><message.id>: <location> <message.text>"

wantsSingleLineMessage() ::= "false"

Found in path(s):

* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/tool/templates/messages/formats/antlr.stg

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Found in path(s):

* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/ModelElement.java

* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/target/Python3Target.java

* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/chunk/SetAttr.java

* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/automata/ParserATNFactory.java

* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-

jar/org/antlr/v4/automata/LexerATNFactory.java
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* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/LexerFile.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/VisitorDispatchMethod.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/LexerFactory.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/semantics/ActionSniffer.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/tool/Grammar.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/decl/AttributeDecl.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/analysis/LeftRecursiveRuleTransformer.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/chunk/RetValRef.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef_text.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/tool/ast/GrammarASTVisitor.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/MatchSet.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/SerializedATN.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/decl/CodeBlock.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/StarBlock.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/tool/LexerGrammar.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/misc/Graph.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/ActionTranslator.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/decl/TokenTypeDecl.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/LL1OptionalBlock.java

* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/automata/ATNPrinter.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef_parser.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/decl/ElementListDecl.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef_ctx.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/RuleSempredFunction.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/tool/LeftRecursionCyclesMessage.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/analysis/AnalysisPipeline.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/BaseListenerFile.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextGetterDecl.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextTokenListGetterDecl.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/ListenerFile.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/semantics/BasicSemanticChecks.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/tool/DefaultToolListener.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/gui/JFileChooserConfirmOverwrite.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/chunk/LabelRef.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/ExceptionClause.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/CaptureNextTokenType.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/analysis/LeftRecursiveRuleAltInfo.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/chunk/NonLocalAttrRef.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/Wildcard.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/OutputModelWalker.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/DispatchMethod.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/automata/ATNOptimizer.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/CodeBlockForAlt.java

* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_int.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/tool/ast/TerminalAST.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/misc/FrequencySet.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/target/GoTarget.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/Lexer.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/parse/v3TreeGrammarException.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_text.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/chunk/ActionChunk.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/RuleElement.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/LL1PlusBlockSingleAlt.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/chunk/ActionText.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/OutputFile.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/automata/TailEpsilonRemover.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/parse/GrammarToken.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/parse/ToolANTLRParser.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/Loop.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/tool/LabelType.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/tool/ast/GrammarASTWithOptions.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/tool/ast/RuleRefAST.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/tool/ast/NotAST.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextTokenGetterDecl.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/LL1OptionalBlockSingleAlt.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/CodeGenerator.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/LL1Loop.java

* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/ThrowRecognitionException.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/tool/LabelElementPair.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/decl/ContextRuleListIndexedGetterDecl.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/analysis/LeftRecursiveRuleAnalyzer.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/gui/TreeView.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/Target.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/PlusBlock.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/target/Python2Target.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/tool/AttributeResolver.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/tool/GrammarInterpreterRuleContext.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/AltBlock.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/misc/CharSupport.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/ThrowNoViableAlt.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/tool/ast/RuleElementAST.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/semantics/SymbolCollector.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/BlankOutputModelFactory.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_type.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/Parser.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/dbg.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_pos.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/gui/TreePostScriptGenerator.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/InvokeRule.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/semantics/BlankActionSplitterListener.java
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/model/chunk/ListLabelRef.java

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```
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 */

/** ANTLR tool checks output templates are compatible with tool code generation.
 * For now, a simple string match used on x.y of x.y.z scheme.
 * Must match Tool.VERSION during load to templates.
 *
 * REQUIRED.
 */

pythonTypeInitMap ::= [
  "bool": "False",
  "int": "0",
  "float": "0.0",
  "str": "",
  default: "None" // anything other than a primitive type is an object
]
```

```
// args must be <object-model-object>, <fields-resulting-in-STs>
```

```
ParserFile(file, parser, namedActions, contextSuperClass) ::= <<  
<fileHeader(file.grammarFileName, file.ANTLRVersion)>  
# encoding: utf-8  
from __future__ import print_function  
from antlr4 import *  
from io import StringIO  
import sys  
  
<namedActions.header>  
<parser>  
  
>>
```

```
ListenerFile(file, header, namedActions) ::= <<  
<fileHeader(file.grammarFileName, file.ANTLRVersion)>  
from antlr4 import *  
<header>
```

```
# This class defines a complete listener for a parse tree produced by <file.parserName>.  
class <file.grammarName>Listener(ParseTreeListener):
```

```
    <file.listenerNames>: {Iname |  
# Enter a parse tree produced by <file.parserName>#<Iname>.  
def enter<Iname>(format="cap")>(self, ctx):  
    pass  
  
# Exit a parse tree produced by <file.parserName>#<Iname>.  
def exit<Iname>(format="cap")>(self, ctx):  
    pass  
  
}; separator="\n">  
  
>>
```

```
VisitorFile(file, header, namedActions) ::= <<  
<fileHeader(file.grammarFileName, file.ANTLRVersion)>  
from antlr4 import *  
<header>
```

```
# This class defines a complete generic visitor for a parse tree produced by <file.parserName>.
```

```
class <file.grammarName>Visitor(ParseTreeVisitor):
```

```
    <file.visitorNames>: {Iname |  
# Visit a parse tree produced by <file.parserName>#<Iname>.
```

```

def visit<lname; format="cap">(self, ctx):
    return self.visitChildren(ctx)

}; separator="\n">

>>

fileHeader(grammarFileName, ANTLRVersion) ::= <<
# Generated from <grammarFileName> by ANTLR <ANTLRVersion>
>>

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
<if(superClass)>
if __name__ is not None and "." in __name__:
    from .<superClass> import <superClass>
else:
    from <superClass> import <superClass>

<endif>
<atn>

class <parser.name> ( <if(superClass)><superClass><else>Parser<endif> ):

    grammarFileName = "<parser.grammarFileName>"

    atn = ATNDeserializer().deserialize(serializedATN())

    decisionsToDFA = [ DFA(ds, i) for i, ds in enumerate(atn.decisionToState) ]

    sharedContextCache = PredictionContextCache()

    literalNames = [ <parser.literalNames:{t | u<t>}; null="u\"<INVALID>\"", separator=", ", wrap, anchor> ]

    symbolicNames = [ <parser.symbolicNames:{t | u<t>}; null="u\"<INVALID>\"", separator=", ", wrap, anchor> ]

    <if(parser.rules)>
    <parser.rules:{r | RULE_<r.name> = <r.index>}; separator="\n", wrap, anchor>
    <endif>

    ruleNames = [ <parser.ruleNames:{r | u"<r>"}; separator=", ", wrap, anchor> ]

    EOF = <TokenLabelType().EOF
    <if(parser.tokens)>

```

```

<parser.tokens:{k | <k>=<parser.tokens.(k)>}; separator="\n", wrap, anchor>
<endif>

<parser:(ctor())>

<namedActions.members>

<funcs; separator="\n">

<if(sempredFuncs)>
  def sempred(self, localctx, ruleIndex, predIndex):
    if self._predicates == None:
      self._predicates = dict()
<parser.sempredFuncs.values:{f |
  self._predicates[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n
  ">
  pred = self._predicates.get(ruleIndex, None)
  if pred is None:
    raise Exception("No predicate with index:" + str(ruleIndex))
  else:
    return pred(localctx, predIndex)

  <sempredFuncs.values; separator="\n">
<endif>

>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
def action(self, localctx, ruleIndex, actionIndex):
  if self._actions is None:
    actions = dict()
<recog.actionFuncs.values:{f]
  actions[<f.ruleIndex>] = self.<f.name>_action }; separator="\n">
  self._actions = actions
  action = self._actions.get(ruleIndex, None)
  if action is not None:
    action(localctx, actionIndex)
  else:
    raise Exception("No registered action for:" + str(ruleIndex))

<actionFuncs.values; separator="\n">

<endif>
<if(sempredFuncs)>
def sempred(self, localctx, ruleIndex, predIndex):

```

```

    if self._predicates is None:
        preds = dict()
<recog.sempredFuncs.values:{f]
    preds[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n">
    self._predicates = preds
    pred = self._predicates.get(ruleIndex, None)
    if pred is not None:
        return pred(localctx, predIndex)
    else:
        raise Exception("No registered predicate for:" + str(ruleIndex))

<sempredFuncs.values; separator="\n">
<endif>
>>

parser_ctor(p) ::= <<
def __init__(self, input, output=sys.stdout):
    super(<parser.name>, self).__init__(input, output=output)
    self.checkVersion("<file.ANTLRVersion>")
    self._interp = ParserATNSimulator(self, self.atn, self.decisionsToDFA, self.sharedContextCache)
    self._predicates = None

>>

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleActionFunction(r, actions) ::= <<

def <r.name>_action(self, localctx , actionIndex):
<actions:{index|
<if(first(actions))>
    if actionIndex == <index>:
        <actions.(index)>
<elseif(rest(actions))>
    elif actionIndex == <index>:
        <actions.(index)>
<endif> }; separator="\n">
>>

/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleSempredFunction(r, actions) ::= <<
def <r.name>_sempred(self, localctx, predIndex):
    <actions:{index|
<if(first(actions))>
    if predIndex == <index>:

```



```

        return <actions.(index)>
<elseif(rest(actions))>
    elif predIndex == <index>:
        return <actions.(index)>
<endif> }; separator="\n">

>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

<ruleCtx>

<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

def <currentRule.name>(self<currentRule.args:{a | , <a.name>}>):

    localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, self.state<currentRule.args:{a | , <a.name>}>)
    self.enterRule(localctx, <currentRule.startState>, self.RULE_<currentRule.name>)
    <namedActions.init>
    <locals; separator="\n">
    try:
        <code>
        <postamble; separator="\n">
        <namedActions.after>
    <if(exceptions)>
    <exceptions; separator="\n">
    <else>
    except RecognitionException as re:
        localctx.exception = re
        self._errHandler.reportError(self, re)
        self._errHandler.recover(self, re)
    <endif>
    finally:
        <finallyAction>
        self.exitRule()
    return localctx

>>

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
    namedActions,finallyAction,postamble) ::=

<<

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

def <currentRule.name>(self, _p=0<if(currentRule.args)>, <args:{a | , <a>}><endif>):

```

```

_parentctx = self._ctx
_parentState = self.state
localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, _parentState<args:{a | , <a.name>}>)
_prevctx = localctx
_startState = <currentRule.startState>
self.enterRecursionRule(localctx, <currentRule.startState>, self.RULE_<currentRule.name>, _p)
<namedActions.init>
<locals; separator="\n">
try:
    <code>
    <postamble; separator="\n">
    <namedActions.after>
except RecognitionException as re:
    localctx.exception = re
    self._errHandler.reportError(self, re)
    self._errHandler.recover(self, re)
finally:
    <finallyAction>
    self.unrollRecursionContexts(_parentctx)
return localctx

>>

```

```

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>localctx = <parser.name>.<currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(self, localctx)<endif>
self.enterOuterAlt(localctx, <currentOuterMostAltCodeBlock.alt.altNum>)
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

```

```

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
>>

```

```

LL1AltBlock(choice, preamble, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
token = self._input.LA(1)
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
    <alt>
    pass}; separator="\n1">
else:
    <error>

```

>>

```
LL1OptionalBlock(choice, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
token = self._input.LA(1)
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  pass }; separator="\n">
else:
  pass
>>
```

```
LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<preamble; separator="\n">
if <expr>:
  <alts; separator="\n">

<!else if ( !(<followExpr> ) <error>!>
>>
```

```
LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<preamble; separator="\n">
while <loopExpr>:
  <alts; separator="\n">
  self.state = <choice.loopBackStateNumber>
  self._errHandler.sync(self)
  <iteration>

>>
```

```
LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
self.state = <choice.blockStartStateNumber> <! alt block decision !>
self._errHandler.sync(self)
<preamble; separator="\n">
while True:
  <alts; separator="\n">
  self.state = <choice.stateNumber> <! loopback/exit decision !>
  self._errHandler.sync(self)
  <iteration>
if not (<loopExpr>):
  break
```

>>

// LL(*) stuff

```
AltBlock(choice, preamble, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
<alts:{ alt |
if la_ == <i>:
  <alt>
  pass
}; separator="\nel">
```

>>

```
OptionalBlock(choice, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
<alts:{ alt |
if la_ == <i><if(!choice.ast.greedy)>+1<endif>:
  <alt>
}; separator="\nel">
```

>>

```
StarBlock(choice, alts, sync, iteration) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
_alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
while _alt!=<choice.exitAlt> and _alt!=ATN.INVALID_ALT_NUMBER:
  if _alt==1<if(!choice.ast.greedy)>+1<endif>:
    <iteration>
    <alts> <! should only be one !>
  self.state = <choice.loopBackStateNumber>
  self._errHandler.sync(self)
  _alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
```

>>

```
PlusBlock(choice, alts, error) ::= <<
self.state = <choice.blockStartStateNumber> <! alt block decision !>
self._errHandler.sync(self)
_alt = 1<if(!choice.ast.greedy)>+1<endif>
while _alt!=<choice.exitAlt> and _alt!=ATN.INVALID_ALT_NUMBER:
```

```

    <alts:{alt|
if _alt == <i><if(!choice.ast.greedy)>+1<endif>:
    <alt>
}; separator="\nел">
    else:
        <error>
        self.state = <choice.loopBackStateNumber> <! loopback/exit decision !>
        self._errHandler.sync(self)
        _alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)

>>

Sync(s) ::= "sync(<s.expecting.name>)"

ThrowNoViableAlt(t) ::= "raise NoViableAltException(self)"

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>} ; separator=" or ">
>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShiftVar(s.varName, bits.shift)>})> and ((1 \<< <offsetShiftVar(s.varName,
bits.shift)>) & (<bits.ttypes:{ttype | (1 \<< <offsetShiftType(ttype, bits.shift)>)}); separator=" | ">)) != 0)
%>

isZero ::= [
"0":true,
default:false
]

offsetShiftVar(shiftAmount, offset) ::= <%
<if(!isZero.(offset))><shiftAmount> - <offset><else><shiftAmount><endif>
%>

offsetShiftType(shiftAmount, offset) ::= <%
<if(!isZero.(offset))><parser.name>.<shiftAmount> - <offset><else><parser.name>.<shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ttype | <s.varName>==<parser.name>.<ttype>} ; separator=" or ">

```

```

%>

cases(ttypes) ::= <<
if token in [<ttypes:{t | <parser.name>.<t>}; separator=", ">]:
>>

InvokeRule(r, argExprsChunks) ::= <<
self.state = <r.stateNumber>
<if(r.labels)><r.labels:{1 | <labelref(l)> =
}><endif>self.<r.name>( <if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprsChu
nks>)
>>

MatchToken(m) ::= <<
self.state = <m.stateNumber>
<if(m.labels)><m.labels:{1 | <labelref(l)> = }><endif>self.match(<parser.name>.<m.name>)
>>

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
self.state = <m.stateNumber>
<if(m.labels)><m.labels:{1 | <labelref(l)> = }>self._input.LT(1)<endif>
<capture>
<if(invert)>if <m.varName> \<= 0 or <expr><else>if not(<expr>)<endif>:
<if(m.labels)><m.labels:{1 | <labelref(l)> = }><else> <endif>self._errHandler.recoverInline(self)
else:
    self._errHandler.reportMatch(self)
    self.consume()
>>

Wildcard(w) ::= <<
self.state = <w.stateNumber>
<if(w.labels)><w.labels:{1 | <labelref(l)> = }><endif>self.matchWildcard()
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
self.state = <p.stateNumber>
if not <chunks>:
    from antlr4.error.Errors import FailedPredicateException

```

```

    raise FailedPredicateException(self, <p.predicate><if(failChunks)>, <failChunks><elseif(p.msg)>,
    <p.msg><endif>)
>>

ExceptionClause(e, catchArg, catchAction) ::= <<
except <catchArg>:
    <catchAction>
>>

// lexer actions are not associated with model objects

LexerSkipCommand() ::= "skip()"
LexerMoreCommand() ::= "more()"
LexerPopModeCommand() ::= "popMode()"

LexerTypeCommand(arg, grammar) ::= "_type = <arg>"
LexerChannelCommand(arg, grammar) ::= "_channel = <arg>"
LexerModeCommand(arg, grammar) ::= "_mode = <arg>"
LexerPushModeCommand(arg, grammar) ::= "pushMode(<arg>)"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "localctx.<a.name>"
LocalRef(a) ::= "localctx.<a.name>"
RetValRef(a) ::= "localctx.<a.name>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.name>"
LabelRef(t) ::= "<ctx(t)>.<t.name>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>"

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "(None if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.text)"
TokenPropertyRef_type(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.type)"
TokenPropertyRef_line(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.line)"
TokenPropertyRef_pos(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.column)"
TokenPropertyRef_channel(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.channel)"
TokenPropertyRef_index(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.tokenIndex)"
TokenPropertyRef_int(t) ::= "(0 if <ctx(t)>.<t.label> is None else int(<ctx(t)>.<t.label>.text))"

RulePropertyRef_start(r) ::= "(None if <ctx(r)>.<r.label> is None else <ctx(r)>.<r.label>.start)"
RulePropertyRef_stop(r) ::= "(None if <ctx(r)>.<r.label> is None else <ctx(r)>.<r.label>.stop)"
RulePropertyRef_text(r) ::= "(None if <ctx(r)>.<r.label> is None else
self._input.getText(<ctx(r)>.<r.label>.start,<ctx(r)>.<r.label>.stop))"
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"

```

```

RulePropertyRef_parser(r) ::= "self"

ThisRulePropertyRef_start(r) ::= "localctx.start"
ThisRulePropertyRef_stop(r) ::= "localctx.stop"
ThisRulePropertyRef_text(r) ::= "self._input.getText(localctx.start, self._input.LT(-1))"
ThisRulePropertyRef_ctx(r) ::= "localctx"
ThisRulePropertyRef_parser(r) ::= "self"

NonLocalAttrRef(s) ::= "self.getInvokingContext(<s.ruleIndex>).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::= "self.getInvokingContext(<s.ruleIndex>).<s.name> = <rhsChunks>"

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.append(<labelref(a.label)>)"

TokenDecl(t) ::= "self.<t.name> = None # <TokenLabelType()>"
TokenTypeDecl(t) ::= "self.<t.name> = 0 # <TokenLabelType()> type"
TokenListDecl(t) ::= "self.<t.name> = list() # of <TokenLabelType()>s"
RuleContextDecl(r) ::= "self.<r.name> = None # <r.ctxName>"
RuleContextListDecl(rdecl) ::= "self.<rdecl.name> = list() # of <rdecl.ctxName>s"

ContextTokenGetterDecl(t) ::= <<
def <t.name>(self):
    return self.getToken(<parser.name>.<t.name>, 0)
>>

// should never be called
ContextTokenListGetterDecl(t) ::= <<
def <t.name>_list(self):
    return self.getTokens(<parser.name>.<t.name>)
>>

ContextTokenListIndexedGetterDecl(t) ::= <<
def <t.name>(self, i=None):
    if i is None:
        return self.getTokens(<parser.name>.<t.name>)
    else:
        return self.getToken(<parser.name>.<t.name>, i)
>>

ContextRuleGetterDecl(r) ::= <<
def <r.name>(self):
    return self.getTypedRuleContext(<parser.name>.<r.ctxName>,0)

>>

// should never be called
ContextRuleListGetterDecl(r) ::= <<
def <r.name>_list(self):
    return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)

```


>>

```
ContextRuleListIndexedGetterDecl(r) ::= <<
def <r.name>(self, i=None):
    if i is None:
        return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)
    else:
        return self.getTypedRuleContext(<parser.name>.<r.ctxName>,i)
```

>>

```
LexerRuleContext() ::= "RuleContext"
```

```
/** The rule context name is the rule followed by a suffix; e.g.,
 * r becomes rContext.
 */
```

```
RuleContextNameSuffix() ::= "Context"
```

```
ImplicitTokenLabel(tokenName) ::= "_<tokenName>"
```

```
ImplicitRuleLabel(ruleName) ::= "_<ruleName>"
```

```
ImplicitSetLabel(id) ::= "_tset<id>"
```

```
ListLabelName(label) ::= "<label>"
```

```
CaptureNextToken(d) ::= "<d.varName> = self._input.LT(1)"
```

```
CaptureNextTokenType(d) ::= "<d.varName> = self._input.LA(1)"
```

```
StructDecl(struct,ctorAttrs,attrs,getters,dispatchMethods,interfaces,extensionMembers) ::= <<
class <struct.name>(<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif>):
```

```
    def __init__(self, parser, parent=None, invokingState=-1<struct.ctorAttrs:{a | , <a.name>=None}>):
        super(<parser.name>.<struct.name>, self).__init__(parent, invokingState)
        self.parser = parser
        <attrs:{a | <a>}; separator="\n">
        <struct.ctorAttrs:{a | self.<a.name> = <a.name>}; separator="\n">
```

```
<getters:{g | <g>}; separator="\n\n">
```

```
    def getRuleIndex(self):
        return <parser.name>.RULE_<struct.derivedFromName>
```

```
<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
```

```
    def copyFrom(self, ctx):
        super(<parser.name>.<struct.name>, self).copyFrom(ctx)
        <struct.attrs:{a | self.<a.name> = ctx.<a.name>}; separator="\n">
```

```
<endif>
```

```
    <dispatchMethods; separator="\n">
```

```

    <extensionMembers; separator="\n">

>>

AltLabelStructDecl(struct,attrs, getters,dispatchMethods) ::= <<
class <struct.name><(currentRule.name; format="cap">Context):

    def __init__(self, parser, ctx): # actually a <parser.name>.<currentRule.name; format="cap">Context)
        super(<parser.name>.<struct.name>, self).__init__(parser)
        <attrs:{ a | <a>}; separator="\n">
        self.copyFrom(ctx)

    <getters:{ g | <g>}; separator="\n">

    <dispatchMethods; separator="\n">

>>

ListenerDispatchMethod(method) ::= <<
def <if(method.isEnter)>enter<else>exit<endif>Rule(self, listener):
    if hasattr(listener, "<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">"):
        listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">(self)

>>

VisitorDispatchMethod(method) ::= <<
def accept(self, visitor):
    if hasattr(visitor, "visit<struct.derivedFromName; format="cap">"):
        return visitor.visit<struct.derivedFromName; format="cap">(self)
    else:
        return visitor.visitChildren(self)

>>

AttributeDecl(d) ::= "self.<d.name> = <if(d.initValue)><d.initValue><else>None<endif>"

/** If we don't know location of label def x, use this template */
labelref(x) ::= "<if(!x.isLocal)>localctx.<endif><x.name>"

/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "localctx"

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "self.precpred(self._ctx, <opPrec>)"
recRuleSetReturnAction(src,name) ::= "$<name>=<src>.<name>"
recRuleSetStopToken() ::= "self._ctx.stop = self._input.LT(-1)"

recRuleAltStartAction(ruleName, ctxName, label) ::= <<

```

```

localctx = <parser.name>.<ctxName>Context(self, _parentctx, _parentState)
<if(label)>localctx.<label> = _prevctx<endif>
self.pushNewRecursionContext(localctx, _startState, self.RULE_<ruleName>)
>>

```

```

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
localctx = <parser.name>.<currentAltLabel; format="cap">Context(self, <parser.name>.<ruleName;
format="cap">Context(self, _parentctx, _parentState))
<if(label)>
<if(isListLabel)>
localctx.<label>.append(_prevctx)
<else>
localctx.<label> = _prevctx
<endif>
<endif>
self.pushNewRecursionContext(localctx, _startState, self.RULE_<ruleName>)
>>

```

```

recRuleReplaceContext(ctxName) ::= <<
localctx = <parser.name>.<ctxName>Context(self, localctx)
self._ctx = localctx
_prevctx = localctx
>>

```

```

recRuleSetPrevCtx() ::= <<
if self._parseListeners is not None:
    self.triggerExitRuleEvent()
_prevctx = localctx
>>

```

```

LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
# encoding: utf-8
from __future__ import print_function
from antlr4 import *
from io import StringIO
import sys

<namedActions.header>

<lexer>
>>

```

```

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
<if(superClass)>
if __name__ is not None and "." in __name__:

```

```

    from .<superClass> import <superClass>
else:
    from <superClass> import <superClass>

<endif>

<atn>

class <lexer.name>(<if(superClass)><superClass><else>Lexer<endif>):

    atn = ATNDeserializer().deserialize(serializedATN())

    decisionsToDFA = [ DFA(ds, i) for i, ds in enumerate(atn.decisionToState) ]

<if(lexer.channels)>
    <lexer.channels:{c| <c> = <lexer.channels.(c)>}; separator="\n">

<endif>
<if(rest(lexer.modes)>
    <rest(lexer.modes):{m| <m> = <i>}; separator="\n">

<endif>
<if(lexer.tokens)>
    <lexer.tokens:{k| <k> = <lexer.tokens.(k)>}; separator="\n", wrap, anchor>
<endif>

    channelNames = [ u"DEFAULT_TOKEN_CHANNEL", u"HIDDEN"<if (lexer.channels)>, <lexer.channels:{c|
u"<c>"; separator=", ", wrap, anchor><endif> ]

    modeNames = [ <lexer.modes:{m| u"<m>"; separator=", ", wrap, anchor> ]

    literalNames = [ u"\<INVALID>",
        <lexer.literalNames:{t| u"<t>"; separator=", ", wrap, anchor> ]

    symbolicNames = [ u"\<INVALID>",
        <lexer.symbolicNames:{t| u"<t>"; separator=", ", wrap, anchor> ]

    ruleNames = [ <lexer.ruleNames:{r| u"<r>"; separator=", ", wrap, anchor> ]

    grammarFileName = u"<lexer.grammarFileName>"

def __init__(self, input=None, output=sys.stdout):
    super(<lexer.name>, self).__init__(input, output=output)
    self.checkVersion("<lexerFile.ANTLRVersion>")
    self._interp = LexerATNSimulator(self, self.atn, self.decisionsToDFA, PredictionContextCache())
    self._actions = None
    self._predicates = None

```

```

<namedActions.members>

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>

>>

SerializedATN(model) ::= <<
<! only one segment, can be inlined !>

def serializedATN():
    with StringIO() as buf:
        buf.write(u"<model.serialized; wrap={ }<\n>    buf.write(u"}>")
        return buf.getvalue()

>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
<pythonTypeInitMap.(typeName)>
>>

codeFileExtension() ::= ".py"

Found in path(s):
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-
jar/org/antlr/v4/tool/templates/codegen/Python2/Python2.stg
No license file was found, but licenses were detected in source scan.

/*
 * [The "BSD license"]
 * Copyright (c) 2012-2016 Terence Parr
 * Copyright (c) 2012-2016 Sam Harwell
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 */

```

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 * (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
 * THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
 */

```
tree grammar BlockSetTransformer;
```

```
options {
  language    = Java;
  tokenVocab  = ANTLRParser;
  ASTLabelType = GrammarAST;
  output      = AST;
  filter      = true;
}
```

```
@header {
package org.antlr.v4.parse;
import org.antlr.v4.misc.Utils;
import org.antlr.v4.misc.*;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
import java.util.List;
import java.util.Set;
import java.util.HashSet;
import java.util.ArrayList;
import org.antlr.v4.runtime.misc.IntervalSet;
}
```

```
@members {
public String currentRuleName;
public GrammarAST currentAlt;
public Grammar g;
public BlockSetTransformer(TreeNodeStream input, Grammar g) {
  this(input, new RecognizerSharedState());
  this.g = g;
}
}
```

```
topdown
: ^(RULE (id=TOKEN_REF|id=RULE_REF) {currentRuleName=$id.text;} .+)
| setAlt
| ebnfBlockSet
```

```

    | blockSet
;

setAlt
: {inContext("RULE BLOCK")}?
  ALT {currentAlt = $start;}
;

// (BLOCK (ALT (+ (BLOCK (ALT INT) (ALT ID))))))
ebnfBlockSet
@after {
  GrammarTransformPipeline.setGrammarPtr(g, $tree);
}
: ^(ebnfSuffix blockSet) -> ^(ebnfSuffix ^(BLOCK<BlockAST> ^(ALT<AltAST> blockSet)))
;

ebnfSuffix
@after {$tree = (GrammarAST)adaptor.dupNode($start);}
: OPTIONAL
  | CLOSURE
  | POSITIVE_CLOSURE
;

blockSet
@init {
  boolean inLexer = Grammar.isTokenName(currentRuleName);
}
@after {
  GrammarTransformPipeline.setGrammarPtr(g, $tree);
}
: {inContext("RULE")}? // top-level: rule block and > 1 alt
  ^(BLOCK ^(alt=ALT elementOptions? {((AltAST)$alt).altLabel==null}? setElement[inLexer]) (^(ALT
elementOptions? setElement[inLexer]) )+)
  -> ^(BLOCK<BlockAST>[$BLOCK.token] ^(ALT<AltAST>[$BLOCK.token,"ALT"] ^(SET[$BLOCK.token,
"SET"] setElement+)))
  | {!inContext("RULE")}? // if not rule block and > 1 alt
  ^(BLOCK ^(ALT elementOptions? setElement[inLexer]) (^(ALT elementOptions? setElement[inLexer]) )+)
  -> ^(SET[$BLOCK.token, "SET"] setElement+)
;

setElement[boolean inLexer]
@after {
  GrammarTransformPipeline.setGrammarPtr(g, $tree);
}
: (^(a=STRING_LITERAL elementOptions) {!inLexer ||
CharSupport.getCharValueFromGrammarCharLiteral($a.getText())!=-1}?
  | a=STRING_LITERAL {!inLexer || CharSupport.getCharValueFromGrammarCharLiteral($a.getText())!=-1}?
  | {!inLexer}?=> ^(TOKEN_REF elementOptions)

```

```
| {!inLexer}?=> TOKEN_REF
| {inLexer}?=> ^(RANGE a=STRING_LITERAL b=STRING_LITERAL)
  {CharSupport.getCharValueFromGrammarCharLiteral($a.getText())!=-1 &&
  CharSupport.getCharValueFromGrammarCharLiteral($b.getText())!=-1 }?
)
;
```

```
elementOptions
: ^(ELEMENT_OPTIONS elementOption*)
;
```

```
elementOption
: ID
| ^(ASSIGN id=ID v=ID)
| ^(ASSIGN ID v=STRING_LITERAL)
| ^(ASSIGN ID v=ACTION)
| ^(ASSIGN ID v=INT)
;
```

Found in path(s):

```
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-
jar/org/antlr/v4/parse/BlockSetTransformer.g
```

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```
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-
jar/org/antlr/v4/tool/templates/codegen/Cpp/Cpp.stg
```

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- */

```
tree grammar SourceGenTriggers;
options {
language    = Java;
tokenVocab = ANTLRParser;
ASTLabelType = GrammarAST;
}

```

```
@header {
package org.antlr.v4.codegen;
import org.antlr.v4.misc.Utils;
import org.antlr.v4.codegen.model.*;
import org.antlr.v4.codegen.model.decl.*;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
import java.util.Collections;
import java.util.Map;
import java.util.HashMap;
}

```

```
@members {
public OutputModelController controller;
public boolean hasLookaheadBlock;
public SourceGenTriggers(TreeNodeStream input, OutputModelController controller) {
this(input);
}
}

```

```

    this.controller = controller;
  }
}

```

```
dummy : block[null, null] ;
```

block[GrammarAST label, GrammarAST ebnfRoot] returns [List<? extends SrcOp> omos]

```

: ^( blk=BLOCK (^ (OPTIONS .+)) ?
  { List<CodeBlockForAlt> alts = new ArrayList<CodeBlockForAlt>();
    ( alternative { alts.add($alternative.altCodeBlock); } ) +
  )
  {
  if ( alts.size()==1 && ebnfRoot==null ) return alts;
  if ( ebnfRoot==null ) {
    Somos = DefaultOutputModelFactory.list(controller.getChoiceBlock((BlockAST)$blk, alts, $label));
  }
  else {
    Choice choice = controller.getEBNFBlock($ebnfRoot, alts);
    hasLookaheadBlock |= choice instanceof PlusBlock || choice instanceof StarBlock;
    Somos = DefaultOutputModelFactory.list(choice);
  }
  }
;

```

alternative returns [CodeBlockForAlt altCodeBlock, List<SrcOp> ops]

```

@init {
  boolean outerMost = inContext("RULE BLOCK");
}
@after {
  controller.finishAlternative($altCodeBlock, $ops, outerMost);
}
: a=alt[outerMost] { $altCodeBlock=$a.altCodeBlock; $ops=$a.ops; }
;

```

alt[boolean outerMost] returns [CodeBlockForAlt altCodeBlock, List<SrcOp> ops]

```

@init {
  // set alt if outer ALT only (the only ones with alt field set to Alternative object)
  AltAST altAST = (AltAST)retval.start;
  if ( outerMost ) controller.setCurrentOuterMostAlt(altAST.alt);
}
: {
  List<SrcOp> elems = new ArrayList<SrcOp>();
  // TODO: shouldn't we pass $start to controller.alternative()?
  $altCodeBlock = controller.alternative(controller.getCurrentOuterMostAlt(), outerMost);
  $altCodeBlock.ops = $ops = elems;
  controller.setCurrentBlock($altCodeBlock);
}
^( ALT elementOptions? ( element { if ($element.omos!=null) elems.addAll($element.omos); } ) + )

```

```
| ^(ALT elementOptions? EPSILON)
  { $altCodeBlock = controller.epsilon(controller.getCurrentOuterMostAlt(), outerMost); }
;
```

element returns [List<? extends SrcOp> omos]

```
: labeledElement { $omos = $labeledElement.omos; }
| atom[null,false] { $omos = $atom.omos; }
| subrule { $omos = $subrule.omos; }
| ACTION { $omos = controller.action((ActionAST)$ACTION); }
| SEMPRED { $omos = controller.sempred((ActionAST)$SEMPRED); }
| ^(ACTION elementOptions) { $omos = controller.action((ActionAST)$ACTION); }
| ^(SEMPRED elementOptions) { $omos = controller.sempred((ActionAST)$SEMPRED); }
;
```

labeledElement returns [List<? extends SrcOp> omos]

```
: ^(ASSIGN ID atom[$ID,false] ) { $omos = $atom.omos; }
| ^(PLUS_ASSIGN ID atom[$ID,false] ) { $omos = $atom.omos; }
| ^(ASSIGN ID block[$ID,null] ) { $omos = $block.omos; }
| ^(PLUS_ASSIGN ID block[$ID,null] ) { $omos = $block.omos; }
;
```

subrule returns [List<? extends SrcOp> omos]

```
: ^(OPTIONAL b=block[null,$OPTIONAL])
{
  $omos = $block.omos;
}
| ( ^(op=CLOSURE b=block[null,null])
| ^(op=POSITIVE_CLOSURE b=block[null,null])
)
{
  List<CodeBlockForAlt> alts = new ArrayList<CodeBlockForAlt>();
  SrcOp blk = $b.omos.get(0);
  CodeBlockForAlt alt = new CodeBlockForAlt(controller.delegate);
  alt.addOp(blk);
  alts.add(alt);
  SrcOp loop = controller.getEBNFBlock($op, alts); // "star it"
  hasLookaheadBlock |= loop instanceof PlusBlock || loop instanceof StarBlock;
  $omos = DefaultOutputModelFactory.list(loop);
}
| block[null, null] { $omos = $block.omos; }
;
```

blockSet[GrammarAST label, boolean invert] returns [List<SrcOp> omos]

```
: ^(SET atom[label,invert]+) { $omos = controller.set($SET, $label, invert); }
;
```

/*

```

setElement
: STRING_LITERAL
| TOKEN_REF
| ^(RANGE STRING_LITERAL STRING_LITERAL)
;
*/

// TODO: combine ROOT/BANG into one then just make new op ref'ing return value of atom/terminal...
// TODO: same for NOT
atom[GrammarAST label, boolean invert] returns [List<SrcOp> omos]
: ^(NOT a=atom[$label, true]) {$omos = $a.omos;}
| range[label] {$omos = $range.omos;}
| ^(DOT ID terminal[$label])
| ^(DOT ID ruleref[$label])
| ^(WILDCARD .) {$omos = controller.wildcard($WILDCARD, $label);}
| WILDCARD {$omos = controller.wildcard($WILDCARD, $label);}
| terminal[label] {$omos = $terminal.omos;}
| ruleref[label] {$omos = $ruleref.omos;}
| blockSet[$label, invert] {$omos = $blockSet.omos;}
;

ruleref[GrammarAST label] returns [List<SrcOp> omos]
: ^(RULE_REF ARG_ACTION? elementOptions?) {$omos = controller.ruleRef($RULE_REF, $label,
$ARG_ACTION);}
;

range[GrammarAST label] returns [List<SrcOp> omos]
: ^(RANGE a=STRING_LITERAL b=STRING_LITERAL)
;

terminal[GrammarAST label] returns [List<SrcOp> omos]
: ^(STRING_LITERAL .) {$omos = controller.stringRef($STRING_LITERAL, $label);}
| STRING_LITERAL {$omos = controller.stringRef($STRING_LITERAL, $label);}
| ^(TOKEN_REF ARG_ACTION .) {$omos = controller.tokenRef($TOKEN_REF, $label, $ARG_ACTION);}
| ^(TOKEN_REF .) {$omos = controller.tokenRef($TOKEN_REF, $label, null);}
| TOKEN_REF {$omos = controller.tokenRef($TOKEN_REF, $label, null);}
;

elementOptions
: ^(ELEMENT_OPTIONS elementOption+)
;

elementOption
: ID
| ^(ASSIGN ID ID)
| ^(ASSIGN ID STRING_LITERAL)
| ^(ASSIGN ID ACTION)
| ^(ASSIGN ID INT)

```

;

Found in path(s):

* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/codegen/SourceGenTriggers.g

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*/

```
javaTypeInitMap ::= [
```

```
  "int": "0",
```

```
  "long": "0",
```

```
  "float": "0.0f",
```

```
  "double": "0.0",
```

```
  "boolean": "false",
```

```
  "byte": "0",
```

```
  "short": "0",
```

```
  "char": "0",
```

```
  default: "null" // anything other than a primitive type is an object
```

```
]
```

```

// args must be <object-model-object>, <fields-resulting-in-STs>

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<namedActions.header>
import org.antlr.v4.runtime.atn.*;
import org.antlr.v4.runtime.dfa.DFA;
import org.antlr.v4.runtime.*;
import org.antlr.v4.runtime.misc.*;
import org.antlr.v4.runtime.tree.*;
import java.util.List;
import java.util.Iterator;
import java.util.ArrayList;

<parser>
>>

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<header>
import org.antlr.v4.runtime.tree.ParseTreeListener;

/**
 * This interface defines a complete listener for a parse tree produced by
 * { @link <file.parserName> }.
 */
public interface <file.grammarName>Listener extends ParseTreeListener {
    <file.listenerNames: {lname |
/**
<if(file.listenerLabelRuleNames.(lname))>
 * Enter a parse tree produced by the { @code <lname>\}
 * labeled alternative in { @link <file.parserName>#<file.listenerLabelRuleNames.(lname)>\}.
<else>
 * Enter a parse tree produced by { @link <file.parserName>#<lname>\}.
<endif>
 * @param ctx the parse tree
 */
void enter<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx);
/**
<if(file.listenerLabelRuleNames.(lname))>
 * Exit a parse tree produced by the { @code <lname>\}

```

```

* labeled alternative in { @link <file.parserName>#<file.listenerLabelRuleNames.<lname>\}.
<else>
* Exit a parse tree produced by { @link <file.parserName>#<lname>\}.
<endif>
* @param ctx the parse tree
*/
void exit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx);; separator="\n">
}
>>

```

```

BaseListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<header>

```

```

import org.antlr.v4.runtime.ParserRuleContext;
import org.antlr.v4.runtime.tree.ErrorNode;
import org.antlr.v4.runtime.tree.TerminalNode;

```

```

/**

```

```

* This class provides an empty implementation of { @link <file.grammarName>Listener},
* which can be extended to create a listener which only needs to handle a subset
* of the available methods.
*/

```

```

public class <file.grammarName>BaseListener implements <file.grammarName>Listener {
    <file.listenerNames:{lname |

```

```

/**

```

```

* { @inheritDoc\}

```

```

*

```

```

* \<p>The default implementation does nothing.\</p>

```

```

*/

```

```

@Override public void enter<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx) { }

```

```

/**

```

```

* { @inheritDoc\}

```

```

*

```

```

* \<p>The default implementation does nothing.\</p>

```

```

*/

```

```

@Override public void exit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx) { }
separator="\n">

```

```

/**

```

```

* { @inheritDoc\}

```

```

*

```

```

* \<p>The default implementation does nothing.\</p>

```

```

*/

```

```

@Override public void enterEveryRule(ParserRuleContext ctx) { }

```

```

/**
 * {@inheritDoc}
 *
 * \<p>The default implementation does nothing.\</p>
 */
@Override public void exitEveryRule(ParserRuleContext ctx) { }
/**
 * {@inheritDoc}
 *
 * \<p>The default implementation does nothing.\</p>
 */
@Override public void visitTerminal(TerminalNode node) { }
/**
 * {@inheritDoc}
 *
 * \<p>The default implementation does nothing.\</p>
 */
@Override public void visitErrorNode(ErrorNode node) { }
}
>>

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<header>
import org.antlr.v4.runtime.tree.ParseTreeVisitor;

/**
 * This interface defines a complete generic visitor for a parse tree produced
 * by { @link <file.parserName> }.
 *
 * @param \<T> The return type of the visit operation. Use { @link Void } for
 * operations with no return type.
 */
public interface <file.grammarName>Visitor\<T> extends ParseTreeVisitor\<T> {
    <file.visitorNames:{ Iname |
/**
<if(file.visitorLabelRuleNames.(Iname))>
 * Visit a parse tree produced by the { @code <Iname>}
 * labeled alternative in { @link <file.parserName>#<file.visitorLabelRuleNames.(Iname)>}|.
<else>
 * Visit a parse tree produced by { @link <file.parserName>#<Iname>}|.
<endif>
 * @param ctx the parse tree
 * @return the visitor result
 */

```



```
T visit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx);}; separator="\n">
}
>>
```

```
BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<header>
import org.antlr.v4.runtime.tree.AbstractParseTreeVisitor;

/**
 * This class provides an empty implementation of { @link <file.grammarName>Visitor},
 * which can be extended to create a visitor which only needs to handle a subset
 * of the available methods.
 *
 * @param \<T> The return type of the visit operation. Use { @link Void} for
 * operations with no return type.
 */
public class <file.grammarName>BaseVisitor<T> extends AbstractParseTreeVisitor<T> implements
<file.grammarName>Visitor<T> {
    <file.visitorNames:{lname |
/**
 * { @inheritDoc\}
 *
 * \<p>The default implementation returns the result of calling
 * { @link #visitChildren\} on { @code ctx\}.\</p>
 */
    @Override public T visit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx) { return
    visitChildren(ctx); \} }; separator="\n">
    }
>>
```

```
fileHeader(grammarFileName, ANTLRVersion) ::= <<
// Generated from <grammarFileName; format="java-escape"> by ANTLR <ANTLRVersion>
>>
```

```
Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>
```

```
Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
@SuppressWarnings({"all", "warnings", "unchecked", "unused", "cast"})
public class <parser.name> extends <superClass; null="Parser"> {
    static { RuntimeMetaData.checkVersion("<file.ANTLRVersion>", RuntimeMetaData.VERSION); }
```

```
protected static final DFA[] _decisionToDFA;
```

```

protected static final PredictionContextCache _sharedContextCache =
    new PredictionContextCache();
<if(parser.tokens)>
public static final int
    <parser.tokens:{k | <k>=<parser.tokens.(k)>}; separator=", ", wrap, anchor>;
<endif>
<if(parser.rules)>
public static final int
    <parser.rules:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>;
<endif>
private static String[] makeRuleNames() {
    return new String[] {
        <parser.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor>
    };
}
public static final String[] ruleNames = makeRuleNames();

<vocabulary(parser.literalNames, parser.symbolicNames)>

@Override
public String getGrammarFileName() { return "<parser.grammarFileName; format="java-escape">"; }

@Override
public String[] getRuleNames() { return ruleNames; }

@Override
public String getSerializedATN() { return _serializedATN; }

@Override
public ATN getATN() { return _ATN; }

<namedActions.members>
<parser:(ctor)()>
<funcs; separator="\n">

<if(sempredFuncs)>
public boolean sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
    switch (ruleIndex) {
        <parser.sempredFuncs.values:{f}
    case <f.ruleIndex>:
        return <f.name>_sempred((<f.ctxType>)_localctx, predIndex);}; separator="\n">
    }
    return true;
}
<sempredFuncs.values; separator="\n">
<endif>

<atn>

```

```

}
>>

vocabulary(literalNames, symbolicNames) ::= <<
private static String[] makeLiteralNames() {
    return new String[] {
        <literalNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
    };
}
private static final String[] _LITERAL_NAMES = makeLiteralNames();
private static String[] makeSymbolicNames() {
    return new String[] {
        <symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
    };
}
private static final String[] _SYMBOLIC_NAMES = makeSymbolicNames();
public static final Vocabulary VOCABULARY = new VocabularyImpl(_LITERAL_NAMES,
    _SYMBOLIC_NAMES);

/**
 * @deprecated Use {@link #VOCABULARY} instead.
 */
@Deprecated
public static final String[] tokenNames;
static {
    tokenNames = new String[_SYMBOLIC_NAMES.length];
    for (int i = 0; i < tokenNames.length; i++) {
        tokenNames[i] = VOCABULARY.getLiteralName(i);
        if (tokenNames[i] == null) {
            tokenNames[i] = VOCABULARY.getSymbolicName(i);
        }

        if (tokenNames[i] == null) {
            tokenNames[i] = "<INVALID>";
        }
    }
}

@Override
@Deprecated
public String[] getTokenNames() {
    return tokenNames;
}

@Override

public Vocabulary getVocabulary() {
    return VOCABULARY;
}

```

```

}
>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
@Override
public void action(RuleContext _localctx, int ruleIndex, int actionIndex) {
    switch (ruleIndex) {
        <recog.actionFuncs.values:{f|
        case <f.ruleIndex>:
            <f.name>_action((<f.ctxType>)_localctx, actionIndex);
            break;}; separator="\n">
        }
    }
    <actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>
@Override
public boolean sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
    switch (ruleIndex) {
        <recog.sempredFuncs.values:{f|
        case <f.ruleIndex>:
            return <f.name>_sempred((<f.ctxType>)_localctx, predIndex);}; separator="\n">
        }
        return true;
    }
    <sempredFuncs.values; separator="\n">
<endif>
>>

parser_ctor(p) ::= <<
public <p.name>(TokenStream input) {
    super(input);
    _interp = new ParserATNSimulator(this, _ATN, _decisionToDFA, _sharedContextCache);
}
>>

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleActionFunction(r, actions) ::= <<
private void <r.name>_action(<r.ctxType> _localctx, int actionIndex) {
    switch (actionIndex) {
        <actions:{index|
        case <index>:
            <actions.(index)>
            break;}; separator="\n">
        }
    }
}

```

```

}
>>

/* This generates a private method since the predIndex is generated, making an
 * overriding implementation impossible to maintain.
 */
RuleSempredFunction(r, actions) ::= <<
private boolean <r.name>_sempred(<r.ctxType> _localctx, int predIndex) {
    switch (predIndex) {
        <actions:{index|
case <index>:
return <actions.(index)>;}; separator="\n">
    }
    return true;
}
>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>public final <endif><currentRule.ctxType>
<currentRule.name>(<args; separator=",">) throws RecognitionException {
    <currentRule.ctxType> _localctx = new <currentRule.ctxType>(_ctx, getState())<currentRule.args:{a | ,
<a.name>}>>;
    enterRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>);
    <namedActions.init>
    <locals; separator="\n">
    try {
        <if(currentRule.hasLookaheadBlock)>
        int _alt;
        <endif>
        <code>
        <postamble; separator="\n">
        <namedActions.after>
    }
    <if(exceptions)>
    <exceptions; separator="\n">
    <else>
    catch (RecognitionException re) {
        _localctx.exception = re;
        _errHandler.reportError(this, re);
        _errHandler.recover(this, re);
    }
    <endif>
    finally {

```

```

    <finallyAction>
    exitRule();
  }
  return _localctx;
}
>>

```

```

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
  namedActions,finallyAction,postamble) ::=
<<

```

```

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

```

```

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>public final <endif><currentRule.ctxType>
<currentRule.name>(<args; separator=", ">) throws RecognitionException {
  return <currentRule.name>(0<currentRule.args:{a | , <a.name>}>);
}

```

```

private <currentRule.ctxType> <currentRule.name>(int _p<args:{a | , <a>}>) throws RecognitionException {
  ParserRuleContext _parentctx = _ctx;
  int _parentState = getState();
  <currentRule.ctxType> _localctx = new <currentRule.ctxType>(_ctx, _parentState<currentRule.args:{a | ,
  <a.name>}>);
  <currentRule.ctxType> _prevctx = _localctx;
  int _startState = <currentRule.startState>;
  enterRecursionRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>, _p);
  <namedActions.init>
  <locals; separator="\n">
  try {
    <if(currentRule.hasLookaheadBlock)>
      int _alt;
    <endif>
    <code>
    <postamble; separator="\n">
    <namedActions.after>
  }
  catch (RecognitionException re) {
    _localctx.exception = re;
    _errHandler.reportError(this, re);
    _errHandler.recover(this, re);
  }
  finally {
    <finallyAction>
    unrollRecursionContexts(_parentctx);
  }
  return _localctx;
}

```

>>

```
CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>_localctx = new <currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(_localctx);<endif>
enterOuterAlt(_localctx, <currentOuterMostAltCodeBlock.alt.altNum>);
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>
```

```
CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
{
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
}
>>
```

```
LL1AltBlock(choice, preamble, alts, error) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = _input.LT(1);<endif>
<preamble; separator="\n">
switch (_input.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
<alt>
break;}; separator="\n">
default:
<error>
}
>>
```

```
LL1OptionalBlock(choice, alts, error) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
switch (_input.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
<alt>
break;}; separator="\n">
default:
break;
}
>>
```

```
LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
<preamble; separator="\n">
if (<expr>) {
```

```

<alts; separator="\n">
}
<!else if ( !(<followExpr> ) <error>!>
>>

```

```

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
<preamble; separator="\n">
while ( <loopExpr> ) {
<alts; separator="\n">
setState(<choice.loopBackStateNumber>);
_errHandler.sync(this);
<iteration>
}
>>

```

```

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
setState(<choice.blockStartStateNumber>); <! alt block decision !>
_errHandler.sync(this);
<preamble; separator="\n">
do {
<alts; separator="\n">
setState(<choice.stateNumber>); <! loopback/exit decision !>
_errHandler.sync(this);
<iteration>
} while ( <loopExpr> );
>>

```

```

// LL(*) stuff

```

```

AltBlock(choice, preamble, alts, error) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = _input.LT(1);<endif>
<preamble; separator="\n">
switch ( getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx) ) {
<alts:{alt |
case <i>:
<alt>
break;}; separator="\n">
}
>>

```

```

OptionalBlock(choice, alts, error) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
switch ( getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx) ) {

```



```

<alts:{alt |
case <i><if(!choice.ast.greedy)>+1<endif>:
  <alt>
  break;}; separator="\n">
}
>>

```

```

StarBlock(choice, alts, sync, iteration) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
_alt = getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx);
while ( _alt!=<choice.exitAlt> && _alt!=org.antlr.v4.runtime.atn.ATN.INVALID_ALT_NUMBER ) {
if ( _alt==1<if(!choice.ast.greedy)>+1<endif> ) {
  <iteration>
  <alts> <! should only be one !>
}
setState(<choice.loopBackStateNumber>);
_errHandler.sync(this);
_alt = getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx);
}
>>

```

```

PlusBlock(choice, alts, error) ::= <<
setState(<choice.blockStartStateNumber>); <! alt block decision !>
_errHandler.sync(this);
_alt = 1<if(!choice.ast.greedy)>+1<endif>;
do {
  switch ( _alt ) {
  <alts:{alt|
case <i><if(!choice.ast.greedy)>+1<endif>:
  <alt>
  break;}; separator="\n">
  default:
  <error>
}
  setState(<choice.loopBackStateNumber>); <! loopback/exit decision !>
  _errHandler.sync(this);
  _alt = getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx);
} while ( _alt!=<choice.exitAlt> && _alt!=org.antlr.v4.runtime.atn.ATN.INVALID_ALT_NUMBER );
>>

```

```

Sync(s) ::= "sync(<s.expecting.name>);"

```

```

ThrowNoViableAlt(t) ::= "throw new NoViableAltException(this);"

```

```

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">

```

```

>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange(<offsetShift(s.varName, bits.shift)>)> && ((1L \<< <offsetShift(s.varName, bits.shift)>) &
(<bits.ttypes:{ ttype | (1L \<< <offsetShift(ttype, bits.shift)>)}; separator=" | ">)) != 0)
%>

isZero ::= [
"0":true,
default:false
]

offsetShift(shiftAmount, offset) ::= <%
<if(!isZero(offset))><shiftAmount> - <offset><else><shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ ttype | <s.varName>==<ttype>}; separator=" || ">
%>

cases(ttypes) ::= <<
<ttypes:{ t | case <t>}; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::= <<
setState(<r.stateNumber>);
<if(r.labels)><r.labels:{l | <labelref(l)> =
}><endif><r.name>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)><endif><endif><argExprsChunks>
);
>>

MatchToken(m) ::= <<
setState(<m.stateNumber>);
<if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>match(<m.name>);
>>

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<

```

```

setState(<m.stateNumber>);
<if(m.labels)><m.labels:{1 | <labelref(1)> = }>_input.LT(1);<endif>
<capture>
if ( <if(invert)><m.varName> \<= 0 || <else>!<endif>(<expr>) ) {
  <if(m.labels)><m.labels:{1 | <labelref(1)> = (Token)}><endif>_errHandler.recoverInline(this);
}
else {
  if ( _input.LA(1)==Token.EOF ) matchedEOF = true;
  _errHandler.reportMatch(this);
  consume();
}
>>

```

```

Wildcard(w) ::= <<
setState(<w.stateNumber>);
<if(w.labels)><w.labels:{1 | <labelref(1)> = }><endif>matchWildcard();
>>

```

```
// ACTION STUFF
```

```
Action(a, foo, chunks) ::= "<chunks>"
```

```
ArgAction(a, chunks) ::= "<chunks>"
```

```

SemPred(p, chunks, failChunks) ::= <<
setState(<p.stateNumber>);
if (!(<chunks>)) throw new FailedPredicateException(this, <p.predicate><if(failChunks)>,
<failChunks><elseif(p.msg)>, <p.msg><endif>);
>>

```

```

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
  <catchAction>
}
>>

```

```
// lexer actions are not associated with model objects
```

```
LexerSkipCommand() ::= "skip()";
```

```
LexerMoreCommand() ::= "more()";
```

```
LexerPopModeCommand() ::= "popMode()";
```

```
LexerTypeCommand(arg, grammar) ::= "_type = <arg>";
```

```
LexerChannelCommand(arg, grammar) ::= "_channel = <arg>";
```

```
LexerModeCommand(arg, grammar) ::= "_mode = <arg>";
```

```
LexerPushModeCommand(arg, grammar) ::= "pushMode(<arg>);"
```

```
ActionText(t) ::= "<t.text>"
```

```

ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "_localctx.<a.name>"
LocalRef(a) ::= "_localctx.<a.name>"
RetValRef(a) ::= "_localctx.<a.name>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.name>"
LabelRef(t) ::= "<ctx(t)>.<t.name>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>;"

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "(<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getText():null)"
TokenPropertyRef_type(t) ::= "(<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getType():0)"
TokenPropertyRef_line(t) ::= "(<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getLine():0)"
TokenPropertyRef_pos(t) ::= "(<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getCharPositionInLine():0)"
TokenPropertyRef_channel(t) ::= "(<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getChannel():0)"
TokenPropertyRef_index(t) ::= "(<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getTokenIndex():0)"
TokenPropertyRef_int(t) ::= "(<ctx(t)>.<t.label>!=null?Integer.valueOf(<ctx(t)>.<t.label>.getText():0)"

RulePropertyRef_start(r) ::= "(<ctx(r)>.<r.label>!=null?(<ctx(r)>.<r.label>.start):null)"
RulePropertyRef_stop(r) ::= "(<ctx(r)>.<r.label>!=null?(<ctx(r)>.<r.label>.stop):null)"
RulePropertyRef_text(r) ::=
"(<ctx(r)>.<r.label>!=null?_input.getText(<ctx(r)>.<r.label>.start,<ctx(r)>.<r.label>.stop):null)"
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "this"

ThisRulePropertyRef_start(r) ::= "_localctx.start"
ThisRulePropertyRef_stop(r) ::= "_localctx.stop"
ThisRulePropertyRef_text(r) ::= "_input.getText(_localctx.start, _input.LT(-1))"
ThisRulePropertyRef_ctx(r) ::= "_localctx"
ThisRulePropertyRef_parser(r) ::= "this"

NonLocalAttrRef(s) ::= "(<s.ruleName; format=\"cap\">Context)getInvokingContext(<s.ruleIndex>).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::=
"(<s.ruleName; format=\"cap\">Context)getInvokingContext(<s.ruleIndex>).<s.name> = <rhsChunks>;"

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.add(<labelref(a.label)>);"

TokenDecl(t) ::= "<TokenLabelType()> <t.name>"
TokenTypeDecl(t) ::= "int <t.name>;"
TokenListDecl(t) ::= "List<Token> <t.name> = new ArrayList<Token>()"
RuleContextDecl(r) ::= "<r.ctxName> <r.name>"
RuleContextListDecl(rdecl) ::= "List<<rdecl.ctxName>> <rdecl.name> = new ArrayList<<rdecl.ctxName>>()"

ContextTokenGetterDecl(t) ::=

```

```

"public TerminalNode <t.name>() { return getToken(<parser.name>.<t.name>, 0); }"
ContextTokenListGetterDecl(t) ::=
"public List<TerminalNode> <t.name>() { return getTokens(<parser.name>.<t.name>); }"
ContextTokenListIndexedGetterDecl(t) ::= <<
public TerminalNode <t.name>(int i) {
return getToken(<parser.name>.<t.name>, i);
}
>>
ContextRuleGetterDecl(r) ::= <<
public <r.ctxName> <r.name>() {
return getRuleContext(<r.ctxName>.class,0);
}
>>
ContextRuleListGetterDecl(r) ::= <<
public List<<<r.ctxName>> <r.name>() {
return getRuleContexts(<r.ctxName>.class);
}
>>
ContextRuleListIndexedGetterDecl(r) ::= <<
public <r.ctxName> <r.name>(int i) {
return getRuleContext(<r.ctxName>.class,i);
}
>>

LexerRuleContext() ::= "RuleContext"

/** The rule context name is the rule followed by a suffix; e.g.,
* r becomes rContext.
*/
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "<tokenName>"
ImplicitRuleLabel(ruleName) ::= "<ruleName>"
ImplicitSetLabel(id) ::= "_tset<id>"
ListLabelName(label) ::= "<label>"

CaptureNextToken(d) ::= "<d.varName> = _input.LT(1);"
CaptureNextTokenType(d) ::= "<d.varName> = _input.LA(1);"

StructDecl(struct,ctorAttrs,attrs, getters,dispatchMethods,interfaces,extensionMembers)
::= <<
public static class <struct.name> extends
<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)> implements
<interfaces; separator=", "><endif> {
<attrs:{a | public <a>;}; separator="\n">
<getters:{g | <g>;}; separator="\n">
<if(ctorAttrs)>public <struct.name>(ParserRuleContext parent, int invokingState) { super(parent, invokingState);
}<endif>
}

```

```

public <struct.name>(ParserRuleContext parent, int invokingState<ctorAttrs:{ a | , <a>}>) {
    super(parent, invokingState);
    <struct.ctorAttrs:{ a | this.<a.name> = <a.name>;}; separator="\n">
}
@Override public int getRuleIndex() { return RULE_<struct.derivedFromName>; }
<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
public <struct.name>() { }
public void copyFrom(<struct.name> ctx) {
    super.copyFrom(ctx);
    <struct.attrs:{ a | this.<a.name> = ctx.<a.name>;}; separator="\n">
}
<endif>
<dispatchMethods; separator="\n">
<extensionMembers; separator="\n">
}
>>

```

```

AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
public static class <struct.name> extends <currentRule.name; format="cap">Context {
    <attrs:{ a | public <a>;}; separator="\n">
    <getters:{ g | <g>;}; separator="\n">
    public <struct.name>(<currentRule.name; format="cap">Context ctx) { copyFrom(ctx); }
    <dispatchMethods; separator="\n">
}
>>

```

```

ListenerDispatchMethod(method) ::= <<
@Override
public void <if(method.isEnter)>enter<else>exit<endif>Rule(ParseTreeListener listener) {
    if ( listener instanceof <parser.grammarName>Listener )
        ((<parser.grammarName>Listener)listener).<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName;
format="cap">(this);
}
>>

```

```

VisitorDispatchMethod(method) ::= <<
@Override
public <T> T accept(ParseTreeVisitor<? extends T> visitor) {
    if ( visitor instanceof <parser.grammarName>Visitor ) return ((<parser.grammarName>Visitor<? extends
T>)visitor).visit<struct.derivedFromName; format="cap">(this);
    else return visitor.visitChildren(this);
}
>>

```

```

AttributeDecl(d) ::= "<d.type> <d.name><if(d.initValue)> = <d.initValue><endif>"

```

```

/** If we don't know location of label def x, use this template */

```

```

labelref(x) ::= "<if(!x.isLocal)>(<x.ctx.name>)_localctx.<endif><x.name>"

```

```

/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "(<actionChunk.ctx.name>)_localctx"

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "precpred(_ctx, <opPrec>)"
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>;"
recRuleSetStopToken() ::= "_ctx.stop = _input.LT(-1);"

recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
_localctx = new <ctxName>Context(_parentctx, _parentState);
<if(label)>
<if(isListLabel)>
_localctx.<label>.add(_prevctx);
<else>
_localctx.<label> = _prevctx;
<endif>
<endif>
<if(label)>_localctx.<label> = _prevctx;<endif>
pushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
>>

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
_localctx = new <currentAltLabel; format="cap">Context(new <ruleName; format="cap">Context(_parentctx,
_parentState));
<if(label)>
<if(isListLabel)>
((<currentAltLabel; format="cap">Context)_localctx).<label>.add(_prevctx);
<else>
((<currentAltLabel; format="cap">Context)_localctx).<label> = _prevctx;
<endif>
<endif>
pushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
>>

recRuleReplaceContext(ctxName) ::= <<
_localctx = new <ctxName>Context(_localctx);
_ctx = _localctx;
_prevctx = _localctx;
>>

recRuleSetPrevCtx() ::= <<
if ( _parseListeners!=null ) triggerExitRuleEvent();
_prevctx = _localctx;
>>

LexerFile(lexerFile, lexer, namedActions) ::= <<

```

```

<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
<if(lexerFile.genPackage)>
package <lexerFile.genPackage>;
<endif>
<namedActions.header>
import org.antlr.v4.runtime.Lexer;
import org.antlr.v4.runtime.CharStream;
import org.antlr.v4.runtime.Token;
import org.antlr.v4.runtime.TokenStream;
import org.antlr.v4.runtime.*;
import org.antlr.v4.runtime.atn.*;
import org.antlr.v4.runtime.dfa.DFA;
import org.antlr.v4.runtime.misc.*;

<lexer>
>>

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
@SuppressWarnings({"all", "warnings", "unchecked", "unused", "cast"})
public class <lexer.name> extends <superClass; null="Lexer"> {
    static { RuntimeMetaData.checkVersion("<lexerFile.ANTLRVersion>", RuntimeMetaData.VERSION); }

    protected static final DFA[] _decisionToDFA;
    protected static final PredictionContextCache _sharedContextCache =
        new PredictionContextCache();
    <if(lexer.tokens)>
    public static final int
        <lexer.tokens:{k | <k>=<lexer.tokens.(k)>}; separator=", ", wrap, anchor>;
    <endif>
    <if(lexer.channels)>
    public static final int
        <lexer.channels:{c | <c>=<lexer.channels.(c)>}; separator=", ", wrap, anchor>;
    <endif>
    <if(rest(lexer.modes)>
    public static final int
        <rest(lexer.modes):{m | <m>=<i>}; separator=", ", wrap, anchor>;
    <endif>
    public static String[] channelNames = {
        "DEFAULT_TOKEN_CHANNEL", "HIDDEN"<if (lexer.channels)>, <lexer.channels:{c| "<c>"}; separator=", ",
wrap, anchor><endif>
    };

    public static String[] modeNames = {
        <lexer.modes:{m| "<m>"}; separator=", ", wrap, anchor>
    };

    private static String[] makeRuleNames() {
        return new String[] {

```



```

    <lexer.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor>
    };
    }
    public static final String[] ruleNames = makeRuleNames();

    <vocabulary(lexer.literalNames, lexer.symbolicNames)>

    <namedActions.members>

    public <lexer.name>(CharStream input) {
        super(input);
        _interp = new LexerATNSimulator(this, _ATN, _decisionToDFA, _sharedContextCache);
    }

    @Override
    public String getGrammarFileName() { return "<lexer.grammarFileName>"; }

    @Override
    public String[] getRuleNames() { return ruleNames; }

    @Override
    public String getSerializedATN() { return _serializedATN; }

    @Override
    public String[] getChannelNames() { return channelNames; }

    @Override
    public String[] getModeNames() { return modeNames; }

    @Override
    public ATN getATN() { return _ATN; }

    <dumpActions(lexer, "", actionFuncs, sempredFuncs)>
    <atn>
    }
    >>

    SerializedATN(model) ::= <<
    <if(rest(model.segments))>
    <! requires segmented representation !>
    private static final int _serializedATNSegments = <length(model.segments)>;
    <model.segments:{segment|private static final String _serializedATNSegment<i0> =
    "<segment; wrap={ "+<\n><\t>"}>";}; separator="\n">
    public static final String _serializedATN = Utils.join(
    new String[] {
    <model.segments:{segment | _serializedATNSegment<i0>}; separator=",\n">
    },
    ""

```

```

);
<else>
<! only one segment, can be inlined !>
public static final String _serializedATN =
    "<model.serialized; wrap={"+<n><t>">";
<endif>
public static final ATN _ATN =
    new ATNDeserializer().deserialize(_serializedATN.toCharArray());
static {
    _decisionToDFA = new DFA[_ATN.getNumberOfDecisions()];
    for (int i = 0; i < _ATN.getNumberOfDecisions(); i++) {
        _decisionToDFA[i] = new DFA(_ATN.getDecisionState(i), i);
    }
    <! org.antlr.v4.tool.DOTGenerator dot = new org.antlr.v4.tool.DOTGenerator(null);!>
    <! System.out.println(dot.getDOT(_ATN.decisionToState.get(0), ruleNames, false));!>
    <! System.out.println(dot.getDOT(_ATN.ruleToStartState[2], ruleNames, false));!>
}
>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
<javaTypeInitMap.(typeName)>
>>

codeFileExtension() ::= ".java"

```

Found in path(s):

```

* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-
jar/org/antlr/v4/tool/templates/codegen/Java/Java.stg

```

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```

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 * can be found in the LICENSE.txt file in the project root.
 */
/**

```

```

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*/

Found in path(s):

* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/gui/GraphicsSupport.java

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*/

```
// File   : A3Lexer.g
// Author  : Jim Idle (jimi@temporal-wave.com)
// Copyright : Free BSD - See @header clause below
// Version  : First implemented as part of ANTLR 3.2 this is the self
//           hosting ANTLR 3 Lexer.
//
// Description
// -----
// This is the definitive lexer grammar for parsing ANTLR V3.x.x grammars. All other
// grammars are derived from this grammar via source code control integration (perforce)
// or by the gdiff tool.
//
// This grammar and its associated grmmars A3Parser.g and A3Walker.g exhibit the following
// traits, which are recommended for all production quality grammars:
//
// 1) They are separate grammars, not composite grammars;
// 2) They implement all supporting methods in a superclass (at least this is recommended
//    for language targets that support inheritance;
// 3) All errors are pushed as far down the parsing chain as possible, which means
//    that the lexer tries to defer error reporting to the parser, and the parser
//    tries to defer error reporting to a semantic phase consisting of a single
//    walk of the AST. The reason for this is that the error messages produced
//    from later phases of the parse will generally have better context and so
//    be more useful to the end user. Consider the message: "Syntax error at 'options'"
//    vs: "You cannot specify two options{ } sections in a single grammar file".
// 4) The lexer is 'programmed' to catch common mistakes such as unterminated literals
//    and report them specifically and not just issue confusing lexer mismatch errors.
//
/** Read in an ANTLR grammar and build an AST. Try not to do
 * any actions, just build the tree.
 *
 * The phases are:
 *
 * A3Lexer.g (this file)
 *   A3Parser.g
 *   A3Verify.g (derived from A3Walker.g)
 * assign.types.g
 * define.g
 * buildnfa.g
 * antlr.print.g (optional)
 * codegen.g
```

```

*
* Terence Parr
* University of San Francisco
* 2005
* Jim Idle (this v3 grammar)
* Temporal Wave LLC
* 2009
*/
lexer grammar ANTLRLexer;

// =====
// Note that while this grammar does not care about order of constructs
// that don't really matter, such as options before @header etc, it must first
// be parsed by the original v2 parser, before it replaces it. That parser does
// care about order of structures. Hence we are constrained by the v2 parser
// for at least the first bootstrap release that causes this parser to replace
// the v2 version.
// =====

// -----
// Options
//
// V3 option directives to tell the tool what we are asking of it for this
// grammar.
//
options {

// Target language is Java, which is the default but being specific
// here as this grammar is also meant as a good example grammar for
// for users.
//
language    = Java;

// The super class that this lexer should expect to inherit from, and
// which contains any and all support routines for the lexer. This is
// commented out in this baseline (definitive or normative grammar)
// - see the ANTLR tool implementation for hints on how to use the super
// class
//
//superclass = AbstractA3Lexer;
}

tokens { SEMPRED; TOKEN_REF; RULE_REF; LEXER_CHAR_SET; ARG_ACTION; }

// Include the copyright in this source and also the generated source
//
@lexer::header {
/*

```

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*/

```
package org.antlr.v4.parse;
import org.antlr.v4.tool.*;
import org.antlr.v4.runtime.misc.Interval;
}
```

```
@members {
```

```
public static final int COMMENTS_CHANNEL = 2;
```

```
public CommonTokenStream tokens; // track stream we push to; need for context info
```

```
public boolean isLexerRule = false;
```

```
public void grammarError(ErrorType etype, org.antlr.runtime.Token token, Object... args) { }
```

```
/** scan backwards from current point in this.tokens list
```

```
 * looking for the start of the rule or subrule.
```

```
 * Return token or null if for some reason we can't find the start.
```

```
*/
```

```
public Token getRuleOrSubruleStartToken() {
```

```
    if ( tokens==null ) return null;
```

```
    int i = tokens.index();
```

```
    int n = tokens.size();
```

```

    if ( i>=n ) i = n-1; // seems index == n as we lex
while ( i>=0 && i<n) {
    int ttype = tokens.get(i).getType();
    if ( ttype == LPAREN || ttype == TOKEN_REF || ttype == RULE_REF ) {
        return tokens.get(i);
    }
    i--;
}
return null;
}
}

// -----
// Comments
//
// ANTLR comments can be multi or single line and we don't care
// which particularly. However we also accept Javadoc style comments
// of the form: /** ... */ and we do take care to distinguish those
// from ordinary multi-line comments
// Note how we guide the lexical PATH because we want to issue a decriptive
// error message in case of a standalone '/' character, which makes no
// sense in ANTLR source code. We also trap unterminated multi-line comments
//
fragment DOC_COMMENT : ;
COMMENT
@init {

    // Record the start line and offsets as if we need to report an
    // unterminated comment, then we want to show the start of the comment
    // we think is broken, not the end, where people will have to try and work
    // it out themselves.
    //
    int startLine = $line;
    int offset = getCharPositionInLine();
}
: // Eat the first character only, then see if we have a comment
  // or something silly.
  //
  '/' // Comment introducer

  (
    // Single line comment, possibly with embedded src/line directives
    // in a similar style to the C pre-processor, allowing generated
    // code to refer the programmer back to the original source code
    // in case of error.
    //
    '/'
    (

```

```

    ( $ANTLR'=> ' $ANTLR' SRC
    | ~(NLCHARS)*
    )

|// Multi-line comment, which may be a documentation comment
  // if it starts /** (note that we protect against accidentally
  // recognizing a comment /**/ as a documentation comment
  //
  /** (
    { input.LA(2) != '/' }?=> '*' { $type = DOC_COMMENT; }
    | { true }?=> // Required to cover all alts with predicates
    )

    // Should we support embedded multiline comments here?
    //
    (
      // Pick out end of multiline comment and exit the loop
      // if we find it.
      //
      { !(input.LA(1) == '*' && input.LA(2) == '/') }?

      // Anything else other than the non-greedy match of
      // the comment close sequence
      //
      .
    )*
  (
    // Look for the comment terminator, but if it is accidentally
    // unterminated, then we will hit EOF, which will trigger the
    // epsilon alt and hence we can issue an error message relative
    // to the start of the unterminated multi-line comment
    //
    '*'

    |// Unterminated comment!
    //
    {
      // ErrorManager.msg(Msg.UNTERMINATED_DOC_COMMENT, startLine, offset, $pos, startLine,
offset, $pos, (Object)null);
    }
  )

|// There was nothing that made sense following the opening '/' and so
  // we issue an error regarding the malformed comment
  //
  {
    // TODO: Insert error message relative to comment start
    //

```



```

    }
  )
  {
    // We do not wish to pass the comments in to the parser. If you are
    // writing a formatter then you will want to preserve the comments off
    // channel, but could just skip and save token space if not.
    //
    $channel=COMMENTS_CHANNEL;
  }
;

ARG_OR_CHARSET
options {k=1;}
: {isLexerRule}?=> LEXER_CHAR_SET {$type=LEXER_CHAR_SET;}
| {!isLexerRule}?=> ARG_ACTION
  {
    $type=ARG_ACTION;
    // Set the token text to our gathered string minus outer [ ]
    String t = $text;
    t = t.substring(1,t.length()-1);
    setText(t);
  }
;

fragment
LEXER_CHAR_SET
: '['
  ('\\' ~('\r'\n')
  | ~('\r'\n'\\''])
)*
']'
;

// -----
// Argument specs
//
// Certain argument lists, such as those specifying call parameters
// to a rule invocation, or input parameters to a rule specification
// are contained within square brackets. In the lexer we consume them
// all at once and sort them out later in the grammar analysis.
//
fragment
ARG_ACTION
: '['
  (
    ARG_ACTION

    | ("")=>ACTION_STRING_LITERAL

```

```

    | ("\")=>ACTION_CHAR_LITERAL

    | ~(['"]')
    )*

    '
;

// -----
// Actions
//
// Other than making sure to distinguish between { and } embedded
// within what we have assumed to be literals in the action code, the
// job of the lexer is merely to gather the code within the action
// (delimited by {}) and pass it to the parser as a single token.
// We know that this token will be asked for its text somewhere
// in the upcoming parse, so setting the text here to exclude
// the delimiting {} is no additional overhead.
//
ACTION
: NESTED_ACTION
('?' {$type = SEMPRED;}
( (WSNLCHARS* '=>') => WSNLCHARS* '=>' // v3 gated sempred
{
Token t = new CommonToken(input, state.type, state.channel, state.tokenStartCharIndex, getCharIndex()-1);
t.setLine(state.tokenStartLine);
t.setText(state.text);
t.setCharPositionInLine(state.tokenStartCharPositionInLine);
grammarError(ErrorType.V3_GATED_SEMPRED, t);
}
)?
)?
;

// -----
// Action structure
//
// Many language targets use {} as block delimiters and so we
// must recursively match {} delimited blocks to balance the
// braces. Additionally, we must make some assumptions about
// literal string representation in the target language. We assume
// that they are delimited by ' or " and so consume these
// in their own alts so as not to inadvertently match {}.
// This rule calls itself on matching a {
//
fragment
NESTED_ACTION

```

```

@init {

// Record the start line and offsets as if we need to report an
// unterminated block, then we want to show the start of the comment
// we think is broken, not the end, where people will have to try and work
// it out themselves.
//
int startLine = getLine();
int offset  = getCharPositionInLine();
}

: // Action and other blocks start with opening {
//
'{'
(
// And now we can match one of a number of embedded
// elements within the action until we find a
// } that balances the opening {. If we do not find
// the balanced } then we will hit EOF and can issue
// an error message about the brace that we believe to
// be mismatched. This won't be foolproof but we will
// be able to at least report an error against the
// opening brace that we feel is in error and this will
// guide the user to the correction as best we can.
//

// An embedded {} block
//
NESTED_ACTION

| // What appears to be a literal
//
ACTION_CHAR_LITERAL

| // We have assumed that the target language has C/Java
// type comments.
//
COMMENT

| // What appears to be a literal
//
ACTION_STRING_LITERAL

| // What appears to be an escape sequence
//
ACTION_ESC

```

```

|// Some other single character that is not
// handled above
//
~(\\|'|"|\'|/|'{|'})

)*

(
// Correctly balanced closing brace
//
}'

|// Looks like have an imbalanced {} block, report
// with respect to the opening brace.
//
{
// TODO: Report imbalanced {}
System.out.println("Block starting at line " + startLine + " offset " + (offset+1) + " contains imbalanced {} or
is missing a }");
}
)
;

// Keywords
// -----
// keywords used to specify ANTLR v3 grammars. Keywords may not be used as
// labels for rules or in any other context where they would be ambiguous
// with the keyword vs some other identifier
// OPTIONS, TOKENS, and CHANNELS must also consume the opening brace that captures
// their option block, as this is the easiest way to parse it separate
// to an ACTION block, despite it using the same {} delimiters.
//
OPTIONS : 'options' WSNLCHARS* '{' ;
TOKENS_SPEC : 'tokens' WSNLCHARS* '{' ;
CHANNELS : 'channels' WSNLCHARS* '{' ;

IMPORT : 'import' ;
FRAGMENT : 'fragment' ;
LEXER : 'lexer' ;
PARSER : 'parser' ;
GRAMMAR : 'grammar' ;
TREE_GRAMMAR : 'tree' WSNLCHARS* 'grammar' ;
PROTECTED : 'protected' ;
PUBLIC : 'public' ;
PRIVATE : 'private' ;
RETURNS : 'returns' ;
LOCALS : 'locals' ;

```

```

THROWS      : 'throws'      ;
CATCH       : 'catch'       ;
FINALLY     : 'finally'     ;
MODE        : 'mode'        ;

// -----
// Punctuation
//
// Character sequences used as separators, delimiters, operators, etc
//
COLON       : ':'
    {
        // scan backwards, looking for a RULE_REF or TOKEN_REF.
        // which would indicate the start of a rule definition.
        // If we see a LPAREN, then it's the start of the subrule.
        // this.tokens is the token string we are pushing into, so
        // just loop backwards looking for a rule definition. Then
        // we set isLexerRule.
        Token t = getRuleOrSubruleStartToken();
        if ( t!=null ) {
            if ( t.getType()==RULE_REF ) isLexerRule = false;
            else if ( t.getType()==TOKEN_REF ) isLexerRule = true;
            // else must be subrule; don't alter context
        }
    }
;

COLONCOLON  : '::'          ;
COMMA       : ','          ;
SEMI        : ';'          ;
LPAREN      : '('          ;
RPAREN      : ')'          ;
RARROW      : '->'        ;
LT          : '<'          ;
GT          : '>'          ;
ASSIGN      : '='          ;
QUESTION    : '?'          ;
SYNPRED     : '=>'
    {
        Token t = new CommonToken(input, state.type, state.channel,
            state.tokenStartCharIndex, getCharIndex()-1);
        t.setLine(state.tokenStartLine);
        t.setText(state.text);
        t.setCharPositionInLine(state.tokenStartCharPositionInLine);
        grammarError(ErrorType.V3_SYNPRED, t);
        $channel=HIDDEN;
    }
;

STAR        : '*'          ;

```

```

PLUS      : '+'          ;
PLUS_ASSIGN : '+='      ;
OR        : '|'          ;
DOLLAR    : '$'          ;
DOT       : '.'          ; // can be WILDCARD or DOT in qid or imported rule ref
RANGE     : '..'         ;
AT        : '@'          ;
POUND     : '#'          ;
NOT       : '~'          ;
RBRACE    : '}'          ;

```

```

/** Allow unicode rule/token names */

```

```

ID : a=NameStartChar NameChar*
{
  if ( Grammar.isTokenName($a.text) ) $type = TOKEN_REF;
  else $type = RULE_REF;
}
;

```

```

fragment

```

```

NameChar : NameStartChar
| '0'..'9'
| '_'
| '\u00B7'
| '\u0300'..\u036F'
| '\u203F'..\u2040'
;

```

```

fragment

```

```

NameStartChar
: 'A'..'Z' | 'a'..'z'
| '\u00C0'..\u00D6'
| '\u00D8'..\u00F6'
| '\u00F8'..\u02FF'
| '\u0370'..\u037D'
| '\u037F'..\u1FFF'
| '\u200C'..\u200D'
| '\u2070'..\u218F'
| '\u2C00'..\u2FEF'
| '\u3001'..\uD7FF'
| '\uF900'..\uFDCF'
| '\uFDF0'..\uFEFE'
| '\uFF00'..\uFFFD'
; // ignores | [\u10000-\uEFFFF] ;

```

```

// -----
// Literals embedded in actions
//

```

```

// Note that we have made the assumption that the language used within
// actions uses the fairly standard " and ' delimiters for literals and
// that within these literals, characters are escaped using the \ character.
// There are some languages which do not conform to this in all cases, such
// as by using /string/ and so on. We will have to deal with such cases if
// if they come up in targets.
//

// Within actions, or other structures that are not part of the ANTLR
// syntax, we may encounter literal characters. Within these, we do
// not want to inadvertently match things like '}' and so we eat them
// specifically. While this rule is called CHAR it allows for the fact that
// some languages may use/allow ' as the string delimiter.
//
fragment
ACTION_CHAR_LITERAL
: "\"" ((\\)=>ACTION_ESC | ~"")* "\""
;

// Within actions, or other structures that are not part of the ANTLR
// syntax, we may encounter literal strings. Within these, we do
// not want to inadvertently match things like '}' and so we eat them
// specifically.
//
fragment
ACTION_STRING_LITERAL
: "\"" ((\\)=>ACTION_ESC | ~"")* "\""
;

// Within literal strings and characters that are not part of the ANTLR
// syntax, we must allow for escaped character sequences so that we do not
// inadvertently recognize the end of a string or character when the terminating
// delimiter has been escaped.
//
fragment
ACTION_ESC
: "\\" .
;

// -----
// Integer
//
// Obviously (I hope) match an arbitrary long sequence of digits.
//
INT : ('0'..'9')+
;

// -----

```

```

// Source spec
//
// A fragment rule for picking up information about an originating
// file from which the grammar we are parsing has been generated. This allows
// ANTLR to report errors against the originating file and not the generated
// file.
//
fragment
SRC : 'src' WSCHARS+ file=ACTION_STRING_LITERAL WSCHARS+ line=INT
    {
        // TODO: Add target specific code to change the source file name and current line number
        //
    }
;

// -----
// Literal string
//
// ANTLR makes no distinction between a single character literal and a
// multi-character string. All literals are single quote delimited and
// may contain unicode escape sequences of the form \uxxxx or \u{xxxxxx},
// where x is a valid hexadecimal number.
STRING_LITERAL
: \" ( ( ESC_SEQ | ~(\"|\"'|\"r\"|\"n') ) ) *
  ( \"
  | // Unterminated string literal
    {
        Token t = new CommonToken(input, state.type, state.channel, state.tokenStartCharIndex, getCharIndex()-1);
        t.setLine(state.tokenStartLine);
        t.setText(state.text);
        t.setCharPositionInLine(state.tokenStartCharPositionInLine);
        grammarError(ErrorType.UNTERMINATED_STRING_LITERAL, t);
    }
  )
;

// A valid hex digit specification
//
fragment
HEX_DIGIT : ('0'..'9'|'a'..'f'|'A'..'F') ;

// Any kind of escaped character that we can embed within ANTLR
// literal strings.
//
fragment
ESC_SEQ
: \"
  (

```



```

    // The standard escaped character set such as tab, newline, etc...
    'b'|'t'|'n'|'f'|'r'|'\'|'\"'

|// A Java style Unicode escape sequence
UNICODE_ESC

|// A Swift/Hack style Unicode escape sequence
UNICODE_EXTENDED_ESC

|// An illegal escape sequence
~('b'|'t'|'n'|'f'|'r'|'\'|'\"|'u') // \x for any invalid x (make sure to match char here)
{
    Token t = new CommonToken(input, state.type, state.channel, getCharIndex()-2, getCharIndex()-1);
    t.setText(t.getText());
    t.setLine(input.getLine());
    t.setCharPositionInLine(input.getCharPositionInLine()-2);
    grammarError(ErrorType.INVALID_ESCAPE_SEQUENCE, t, input.substring(getCharIndex()-
2,getCharIndex()-1));
}
)
;

```

fragment

UNICODE_ESC

@init {

```

// Flag to tell us whether we have a valid number of
// hex digits in the escape sequence
//
int hCount = 0;
}
: 'u' // Leadin for unicode escape sequence

// We now require 4 hex digits. Note though
// that we accept any number of characters
// and issue an error if we do not get 4. We cannot
// use an infinite count such as + because this
// might consume too many, so we lay out the lexical
// options and issue an error at the invalid paths.
//
(
(
    HEX_DIGIT { hCount++; }
(
    HEX_DIGIT { hCount++; }
(
    HEX_DIGIT { hCount++; }
(

```

```

        // Four valid hex digits, we are good
        //
        HEX_DIGIT { hCount++; }

    |// Three valid digits
    )

    |// Two valid digits
    )

    |// One valid digit
    )
    )
    |// No valid hex digits at all
    )

// Now check the digit count and issue an error if we need to
//
{
    if (hCount < 4) {
        Interval badRange = Interval.of(getCharIndex()-2-hCount, getCharIndex());
        String lastChar = input.substring(badRange.b, badRange.b);
        if ( lastChar.codePointAt(0)!='\'' ) {
            badRange.b--;
        }
        String bad = input.substring(badRange.a, badRange.b);
        Token t = new CommonToken(input, state.type, state.channel, badRange.a, badRange.b);
        t.setLine(input.getLine());
        t.setCharPositionInLine(input.getCharPositionInLine()-hCount-2);
        grammarError(ErrorType.INVALID_ESCAPE_SEQUENCE, t, bad);
    }
}
;

```

fragment

UNICODE_EXTENDED_ESC

: 'u{' // Leadin for unicode extended escape sequence

HEX_DIGIT+ // One or more hexadecimal digits

'}' // Leadout for unicode extended escape sequence

// Now check the digit count and issue an error if we need to

{

int numDigits = getCharIndex()-state.tokenStartCharIndex-6;

if (numDigits > 6) {

Token t = new CommonToken(input, state.type, state.channel, state.tokenStartCharIndex, getCharIndex()-

1);

```

        t.setText(t.getText());
        t.setLine(input.getLine());
        t.setCharPositionInLine(input.getCharPositionInLine()-numDigits);
        grammarError(ErrorType.INVALID_ESCAPE_SEQUENCE, t,
input.substring(state.tokenStartCharIndex,getCharIndex()-1));
    }
}
;

// -----
// Whitespace
//
// Characters and character constructs that are of no import
// to the parser and are used to make the grammar easier to read
// for humans.
//
WS
: (
    ' '
    | '\t'
    | '\r'
    | '\n'
    | '\f'
)+
{$channel=HIDDEN;}
;

// A fragment rule for use in recognizing end of line in
// rules like COMMENT.
//
fragment
NLCHARS
: '\n' | '\r'
;

// A fragment rule for recognizing traditional whitespace
// characters within lexer rules.
//
fragment
WSCHARS
: ' ' | '\t' | '\f'
;

// A fragment rule for recognizing both traditional whitespace and
// end of line markers, when we don't care to distinguish but don't
// want any action code going on.
//
fragment
```

WSNLCHARS

```
: ' | \t | \f | \n | \r'  
;
```

```
// This rule allows ANTLR 4 to parse grammars using the UTF-8 encoding with a  
// byte order mark. Since this Unicode character doesn't appear as a token  
// anywhere else in the grammar, we can simply skip all instances of it without  
// problem. This rule will not break usage of \uFEFF inside a LEXER_CHAR_SET or  
// STRING_LITERAL.
```

UnicodeBOM

```
: '\uFEFF' {skip();}  
;
```

```
// -----
```

```
// Illegal Character
```

```
//
```

```
// This is an illegal character trap which is always the last rule in the  
// lexer specification. It matches a single character of any value and being  
// the last rule in the file will match when no other rule knows what to do  
// about the character. It is reported as an error but is not passed on to the  
// parser. This means that the parser to deal with the grammar file anyway  
// but we will not try to analyse or code generate from a file with lexical  
// errors.
```

```
//
```

ERRCHAR

```
:.  
{  
    Token t = new CommonToken(input, state.type, state.channel, state.tokenStartCharIndex, getCharIndex()-1);  
    t.setLine(state.tokenStartLine);  
    t.setText(state.text);  
    t.setCharPositionInLine(state.tokenStartCharPositionInLine);  
    String msg = getTokenErrorDisplay(t) + " came as a complete surprise to me";  
    grammarError(ErrorType.SYNTAX_ERROR, t, msg);  
    state.syntaxErrors++;  
    skip();  
}  
;
```

Found in path(s):

```
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-  
jar/org/antlr/v4/parse/ANTLRLexer.g
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
* [The "BSD license"]  
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* Copyright (c) 2012-2016 Sam Harwell  
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```

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 * THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
 * (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
 * THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
 */

```
phpTypeInitMap ::= [
  "int": "0",
  "long": "0",
  "float": "0.0",
  "double": "0.0",
  "boolean": "false",
  default: "null"
]
```

```
// args must be <object-model-object>, <fields-resulting-in-STs>
```

```
ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<parser>
>>
```

```
ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage>;
<endif>
<header>
use Antlr\Antlr4\Runtime\Tree\ParseTreeListener;
```

```

/**
 * This interface defines a complete listener for a parse tree produced by
 * { @see <file.parserName> }.
 */
interface <file.grammarName>Listener extends ParseTreeListener {
    <file.listenerNames: {Iname |
/**
<if(file.listenerLabelRuleNames.(Iname))>
 * Enter a parse tree produced by the `<Iname>`
 * labeled alternative in { @see <file.parserName>::<file.listenerLabelRuleNames.(Iname)>() }.
<else>
 * Enter a parse tree produced by { @see <file.parserName>::<Iname>() }.
<endif>
 * @param $context The parse tree.
 */
public function enter<Iname; format="cap">(Context\\<Iname; format="cap">Context $context) : void;
/**
<if(file.listenerLabelRuleNames.(Iname))>
 * Exit a parse tree produced by the `<Iname>` labeled alternative
 * in { @see <file.parserName>::<file.listenerLabelRuleNames.(Iname)>() }.
<else>
 * Exit a parse tree produced by { @see <file.parserName>::<Iname>() }.
<endif>
 * @param $context The parse tree.
 */
public function exit<Iname; format="cap">(Context\\<Iname; format="cap">Context $context) : void;
separator="\n"
}
>>

```

```

BaseListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage>;
<endif>
<header>

```

```

use Antlr\\Antlr4\\Runtime\\ParserRuleContext;
use Antlr\\Antlr4\\Runtime\\Tree\\ErrorNode;
use Antlr\\Antlr4\\Runtime\\Tree\\TerminalNode;

```

```

/**
 * This class provides an empty implementation of { @see <file.grammarName>Listener },
 * which can be extended to create a listener which only needs to handle a subset
 * of the available methods.
 */
class <file.grammarName>BaseListener implements <file.grammarName>Listener

```

```

{
  <file.listenerNames: {lname |
/**
 * { @inheritdoc\}
 *
 * The default implementation does nothing.
 */
public function enter<lname; format="cap">(Context\<lname; format="cap">Context $context) : void {}

/**
 * { @inheritdoc\}
 *
 * The default implementation does nothing.
 */
public function exit<lname; format="cap">(Context\<lname; format="cap">Context $context) : void {}};
separator="\n">

/**
 * { @inheritdoc\}
 *
 * The default implementation does nothing.
 */
public function enterEveryRule(ParserRuleContext $context) : void {}

/**
 * { @inheritdoc\}
 *
 * The default implementation does nothing.
 */
public function exitEveryRule(ParserRuleContext $context) : void {}

/**
 * { @inheritdoc\}
 *
 * The default implementation does nothing.
 */
public function visitTerminal(TerminalNode $node) : void {}

/**
 * { @inheritdoc\}
 *
 * The default implementation does nothing.
 */
public function visitErrorNode(ErrorNode $node) : void {}
}
>>

```

VisitorFile(file, header, namedActions) ::= <<

```

<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage>;
<endif>

<header>
use Antlr\Antlr4\Runtime\Tree\ParseTreeVisitor;

/**
 * This interface defines a complete generic visitor for a parse tree produced by { @see <file.parserName> }.
 */
interface <file.grammarName>Visitor extends ParseTreeVisitor
{
  <file.visitorNames:{ lname |
/**
<if(file.visitorLabelRuleNames.(lname))>
 * Visit a parse tree produced by the `<lname>` labeled alternative
 * in { @see <file.parserName>::<file.visitorLabelRuleNames.(lname)>() }.
<else>
 * Visit a parse tree produced by { @see <file.parserName>::<lname>() }.
<endif>
 *
 * @param Context\<lname; format="cap">Context $context The parse tree.
 *
 * @return mixed The visitor result.
 */
public function visit<lname; format="cap">(Context\<lname; format="cap">Context $context);
separator="\n\n"
}
>>

BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage>;
<endif>
<header>
use Antlr\Antlr4\Runtime\Tree\AbstractParseTreeVisitor;

/**
 * This class provides an empty implementation of { @see <file.grammarName>Visitor },
 * which can be extended to create a visitor which only needs to handle a subset
 * of the available methods.
 */
class <file.grammarName>BaseVisitor extends AbstractParseTreeVisitor implements <file.grammarName>Visitor
{
  <file.visitorNames:{ lname |
/**

```



```

* { @inheritdoc }
*
* The default implementation returns the result of calling
* { @see self::visitChildren() } on `context`.
*/
public function visit<Iname; format="cap">(Context\<Iname; format="cap">Context $context)
{
    return $this->visitChildren($context);
\}}; separator="\n\n">
}
>>

```

```

fileHeader(grammarFileName, ANTLRVersion) ::= <<
\<?php

/*
* Generated from <grammarFileName> by ANTLR <ANTLRVersion>
*/

>>
Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

```

```

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
namespace<if(file.genPackage)> <file.genPackage><endif> {
<if(namedActions.header)><namedActions.header><endif>
    use Antlr\Antlr4\Runtime\Atn\ATN;
    use Antlr\Antlr4\Runtime\Atn\ATNDeserializer;
    use Antlr\Antlr4\Runtime\Atn\ParserATNSimulator;
    use Antlr\Antlr4\Runtime\Dfa\DFA;
    use Antlr\Antlr4\Runtime\Error\Exceptions\FailedPredicateException;
    use Antlr\Antlr4\Runtime\Error\Exceptions\NoViableAltException;
    use Antlr\Antlr4\Runtime\PredictionContexts\PredictionContextCache;
    use Antlr\Antlr4\Runtime\Error\Exceptions\RecognitionException;
    use Antlr\Antlr4\Runtime\RuleContext;
    use Antlr\Antlr4\Runtime\Token;
    use Antlr\Antlr4\Runtime\TokenStream;
    use Antlr\Antlr4\Runtime\Vocabulary;
    use Antlr\Antlr4\Runtime\VocabularyImpl;
    use Antlr\Antlr4\Runtime\RuntimeMetaData;
    use Antlr\Antlr4\Runtime\Parser;
<if(namedActions.definitions)><namedActions.definitions><endif>

    final class <parser.name> extends <superClass; null="Parser">
    {
        <if(parser.tokens)>
            public const <parser.tokens>:{k | <k> = <parser.tokens.(k)>}; separator=" ", wrap, anchor>;

```

```

<endif>

<if(parser.rules)>
public const <parser.rules:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>;
<endif>

/**
 * @var array<string>
 */
public const RULE_NAMES = [
<parser.ruleNames:{r | '<r>'}; separator=", ", wrap, anchor>
];

<vocabulary(parser.literalNames, parser.symbolicNames)>

<atn>
protected static $atn;
protected static $decisionToDFA;
protected static $sharedContextCache;
<if(namedActions.members)>

<namedActions.members>
<endif>

<parser:(ctor)()>

private static function initialize() : void
{
if (self::$atn !== null) {
return;
}

RuntimeMetaData::checkVersion('<file.ANTLRVersion>', RuntimeMetaData::VERSION);

$atn = (new ATNDeserializer()->deserialize(self::SERIALIZED_ATN);

$decisionToDFA = [];
for ($i = 0, $count = $atn->getNumberOfDecisions(); $i < $count; $i++) {
$decisionToDFA[] = new DFA($atn->getDecisionState($i), $i);
}

self::$atn = $atn;
self::$decisionToDFA = $decisionToDFA;
self::$sharedContextCache = new PredictionContextCache();
}

public function getGrammarFileName() : string

```

```

{
return "<parser.grammarFileName>";
}

public function getRuleNames() : array
{
return self::RULE_NAMES;
}

public function getSerializedATN() : string
{
return self::SERIALIZED_ATN;
}

public function getATN() : ATN
{
return self::$atn;
}

public function getVocabulary() : Vocabulary
{
static $vocabulary;

return $vocabulary = $vocabulary ?? new VocabularyImpl(self::LITERAL_NAMES, self::SYMBOLIC_NAMES);
}
<if(funcs)>

<funcs; separator="\n\n">
<endif>
<if(sempredFuncs)>

public function sempred(?RuleContext $localContext, int $ruleIndex, int $predicateIndex) : bool
{
switch ($ruleIndex) {
<parser.sempredFuncs.values:{f}
case <f.ruleIndex>:
return $this->sempred<f.name; format="cap">($localContext, $predicateIndex);}; separator="\n\n">

default:
return true;
}
}

<sempredFuncs.values; separator="\n\n">
<endif>
}
}

```

```

namespace <if(file.genPackage)><file.genPackage>\\<endif>Context {
    use Antlr\\Antlr4\\Runtime\\ParserRuleContext;
    use Antlr\\Antlr4\\Runtime\\Token;
    use Antlr\\Antlr4\\Runtime\\Tree\\ParseTreeVisitor;
    use Antlr\\Antlr4\\Runtime\\Tree\\TerminalNode;
    use Antlr\\Antlr4\\Runtime\\Tree\\ParseTreeListener;
    use <if(file.genPackage)><file.genPackage>\\<endif><parser.name>;
    <if (file.genVisitor)>use <if(file.genPackage)><file.genPackage>\\<endif><file.grammarName>Visitor;<endif>
    <if (file.genListener)>use <if(file.genPackage)><file.genPackage>\\<endif><file.grammarName>Listener;<endif>
    <namedActions.contexts>

    <funcs :{ func | <func.ruleCtx><if(func.altLabelCtxs)>

    <func.altLabelCtxs:{l | <func.altLabelCtxs.(l)>}; separator="\n\n"><endif> }; separator="\n\n">
    }
    >>

    vocabulary(literalNames, symbolicNames) ::= <<
    /**
    * @var array<string|null>
    */
    private const LITERAL_NAMES = [
        <literalNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
    ];

    /**
    * @var array<string>
    */
    private const SYMBOLIC_NAMES = [
        <symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
    ];
    >>

    dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
    <if(actionFuncs)>

    public function action(?RuleContext $localContext, int $ruleIndex, int $actionIndex) : void
    {
        switch ($ruleIndex) {
            <recog.actionFuncs.values:{f}
            case <f.ruleIndex>:
                $this->action<f.name; format="cap">($localContext, $actionIndex);
                break;}; separator="\n\n">
        }
    }

    <actionFuncs.values; separator="\n">
    <endif>

```

```

<if(sempredFuncs)>

public function sempred(?RuleContext $localContext, int $ruleIndex, int $predicateIndex) : bool
{
    switch ($ruleIndex) {
        <recog.sempredFuncs.values:{f|
            case <f.ruleIndex>:
                return $this->sempred<f.name; format="cap">($localContext, $predicateIndex);}; separator="\n\n">
        }

    return true;
    }
<sempredFuncs.values; separator="\n\n">
<endif>
>>

parser_ctor(p) ::= <<
public function __construct(TokenStream $input)
{
    parent::__construct($input);

    self::initialize();

    $this->interp = new ParserATNSimulator($this, self::$atn, self::$decisionToDFA, self::$sharedContextCache);
}
>>

/**
 * This generates a private method since the actionIndex is generated, making
 * an overriding implementation impossible to maintain.
 */
RuleActionFunction(r, actions) ::= <<
private function action<r.name; format="cap">(?<r.ctxType> $localContext, int $actionIndex) : void
{
    switch ($actionIndex) {
        <actions:{index|
            case <index>:
                <actions.(index)>

                break;}; separator="\n\n">
        }
    }
}
>>

/**
 * This generates a private method since the predicateIndex is generated, making
 * an overriding implementation impossible to maintain.
 */

```

```

RuleSempredFunction(r, actions) ::= <<
private function sempred<r.name; format="cap">(?Context\\<r.ctxType> $localContext, int $predicateIndex) : bool
{
switch ($predicateIndex) {
<actions: {index|
case <index>:
return <actions.(index)>;}; separator="\n\n">
}

return true;
}
>>

```

```

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,exceptions,postamble)
::= <<
/**
* @throws RecognitionException
*/
<if(currentRule.modifiers)><currentRule.modifiers: {f | <f> }><endif>public function <currentRule.name>(<args;
separator=", ">) : Context\\<currentRule.ctxType>
{
$localContext = new Context\\<currentRule.ctxType>($this->ctx, $this->getState())<currentRule.args: {a | ,
$a.name}>);

$this->enterRule($localContext, <currentRule.startState>, self::RULE_<currentRule.name>);
<namedActions.init>
<locals; separator="\n">

try {
<code>
<postamble; separator="\n">
<namedActions.after>
}<if(exceptions)><exceptions; separator="\n"><else> catch (RecognitionException $exception) {
$localContext->exception = $exception;
$this->errorHandler->reportError($this, $exception);
$this->errorHandler->recover($this, $exception);
}<endif> finally {
<finallyAction>
$this->exitRule();
}

return $localContext;
}
>>

```

```

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble)
::= <<
/**

```

```

* @throws RecognitionException
*/
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><endif>public function <currentRule.name>(<args;
separator=", ">) : Context\<currentRule.ctxType>
{
    return $this->recursive<currentRule.name; format="cap">(0<currentRule.args:{a | , <a.name>}>);
}

/**
* @throws RecognitionException
*/
private function recursive<currentRule.name; format="cap">(int $precedence<args:{a | , <a>}>) :
Context\<currentRule.ctxType>
{
    $parentContext = $this->ctx;
    $parentState = $this->getState();
    $localContext = new Context\<currentRule.ctxType>($this->ctx, $parentState<currentRule.args:{a | ,
<a.name>}>);
    $previousContext = $localContext;
    $startState = <currentRule.startState>;
    $this->enterRecursionRule($localContext, <currentRule.startState>, self::RULE_<currentRule.name>,
$precedence);
    <namedActions.init>
    <locals; separator="\n">

    try {
        <code>
        <postamble; separator="\n">
        <namedActions.after>
    } catch (RecognitionException $exception) {
        $localContext->exception = $exception;
        $this->errorHandler->reportError($this, $exception);
        $this->errorHandler->recover($this, $exception);
    } finally {
        <finallyAction>
        $this->unrollRecursionContexts($parentContext);
    }

    return $localContext;
}
>>

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>$localContext = new
Context\<currentOuterMostAltCodeBlock.altLabel; format="cap">Context($localContext);<endif>
$this->enterOuterAlt($localContext, <currentOuterMostAltCodeBlock.alt.altNum>);
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

```

```

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
>>

```

```

LL1AltBlock(choice, preamble, alts, error) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);
<if(choice.label)><labelref(choice.label)> = $this->input->LT(1);<endif>
<preamble; separator="\n">

```

```

switch ($this->input->LA(1)) {
  <choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  break;}; separator="\n\n">

```

```

default:
  <error>
}
>>

```

```

LL1OptionalBlock(choice, alts, error) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);

switch ($this->input->LA(1)) {
  <choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  break;}; separator="\n\n">

```

```

default:
  break;
}
>>

```

```

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);
<preamble; separator="\n">

```

```

if (<expr>) {
  <alts; separator="\n">
}
>>

```

```

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<

```



```
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);
```

```
<preamble; separator="\n">
while (<loopExpr>) {
  <alts; separator="\n">
  $this->setState(<choice.loopBackStateNumber>);
  $this->errorHandler->sync($this);
  <iteration>
}
>>
```

```
LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
$this->setState(<choice.blockStartStateNumber>); <! alt block decision !>
$this->errorHandler->sync($this);
```

```
<preamble; separator="\n">
do {
  <alts; separator="\n">
  $this->setState(<choice.stateNumber>); <! loopback/exit decision !>
  $this->errorHandler->sync($this);
  <iteration>
} while (<loopExpr>);
>>
```

```
// LL(*) stuff
```

```
AltBlock(choice, preamble, alts, error) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);
<if(choice.label)><labelref(choice.label)> = $this->input->LT(1);<endif>
<preamble; separator="\n">
```

```
switch ($this->getInterpreter()->adaptivePredict($this->input, <choice.decision>, $this->ctx)) {
  <alts:{ alt |
case <i>:
  <alt>
break;}; separator="\n\n">
}
>>
```

```
OptionalBlock(choice, alts, error) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);
```

```
switch ($this->getInterpreter()->adaptivePredict($this->input, <choice.decision>, $this->ctx)) {
  <alts:{ alt |
  case <i><if(!choice.ast.greedy)>+1<endif>:

```

```

    <alt>
    break;}; separator="\n\n">
    }
>>

StarBlock(choice, alts, sync, iteration) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);

$alt = $this->getInterpreter()->adaptivePredict($this->input, <choice.decision>, $this->ctx);

while ($alt !== <choice.exitAlt> && $alt !== ATN::INVALID_ALT_NUMBER) {
    if ($alt === 1<if(!choice.ast.greedy)>+1<endif>) {
        <iteration>
        <alts> <! should only be one !>
    }

    $this->setState(<choice.loopBackStateNumber>);
    $this->errorHandler->sync($this);

    $alt = $this->getInterpreter()->adaptivePredict($this->input, <choice.decision>, $this->ctx);
}
>>

PlusBlock(choice, alts, error) ::= <<
$this->setState(<choice.blockStartStateNumber>); <! alt block decision !>
$this->errorHandler->sync($this);

$alt = 1<if(!choice.ast.greedy)>+1<endif>;

do {
    switch ($alt) {
        <alts:{alt|
        case <i><if(!choice.ast.greedy)>+1<endif>:
            <alt>
            break;}; separator="\n\n">
        default:
            <error>
        }

    $this->setState(<choice.loopBackStateNumber>); <! loopback/exit decision !>
    $this->errorHandler->sync($this);

    $alt = $this->getInterpreter()->adaptivePredict($this->input, <choice.decision>, $this->ctx);
} while ($alt !== <choice.exitAlt> && $alt !== ATN::INVALID_ALT_NUMBER);
>>

Sync(s) ::= "sync(<s.expecting.name>);"

```

```

ThrowNoViableAlt(t) ::= "throw new NoViableAltException($this);"

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">
>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) === 0
>>

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShiftVar(s.varName, bits.shift)>}) && ((1 \<< <offsetShiftVar(s.varName,
bits.shift)>) & (<bits.ttypes:{ttype | (1 \<< <offsetShiftConst(ttype, bits.shift)>)}; separator=" | ">)) !== 0)
%>

isZero ::= [
"0":true,
default:false
]

offsetShiftVar(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(<shiftAmount> - <offset>)<else><shiftAmount><endif>
%>

offsetShiftConst(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(self::<shiftAmount> - <offset>)<else>self::<shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ttype | $<s.varName> === self::<ttype>}; separator=" || ">
%>

cases(ttypes) ::= <<
<ttypes:{t | case self::<t>}; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::= <<
$this->setState(<r.stateNumber>);
<if(r.labels)><r.labels:{1 | <labelref(1)> = }><endif>$this-><if(r.ast.options.p)>recursive<r.name>;
format="cap"><else><r.name><endif>(<if(r.ast.options.p)><r.ast.options.p><endif><argExprsChunks>,<endif><endif>
<argExprsChunks>);
>>

MatchToken(m) ::= <<

```

```

$this->setState(<m.stateNumber>);
<if(m.labels)><m.labels:{1 | <labelref(l)> = }><endif>$this->match(self::<m.name>);
>>

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
$this->setState(<m.stateNumber>);

<if(m.labels)><m.labels:{1 | <labelref(l)> = }>$this->input->LT(1);<endif>
<capture>

if (<if(invert)>$<m.varName> \<= 0 || <else>!<endif>(<expr>)) {
    <if(m.labels)><m.labels:{1 | <labelref(l)> = }><endif>$this->errorHandler->recoverInline($this);
} else {
    if ($this->input->LA(1) === Token::EOF) {
        $this->matchedEOF = true;
    }

    $this->errorHandler->reportMatch($this);
    $this->consume();
}
>>

Wildcard(w) ::= <<
$this->setState(<w.stateNumber>);
<if(w.labels)><w.labels:{1 | <labelref(l)> = }><endif>$this->matchWildcard();
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
$this->setState(<p.stateNumber>);

if (!<chunks>)) {
    throw new FailedPredicateException($this, <p.predicate><if(failChunks)>, <failChunks><elseif(p.msg)>,
    <p.msg><endif>);
}
>>

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {

```

```

<catchAction>
}
>>

// lexer actions are not associated with model objects

LexerSkipCommand() ::= "$this->skip();"
LexerMoreCommand() ::= "$this->more();"
LexerPopModeCommand() ::= "$this->popMode();"

LexerTypeCommand(arg, grammar) ::= "$this->type = <arg>);"
LexerChannelCommand(arg, grammar) ::= "$this->channel = <arg>);"
LexerModeCommand(arg, grammar) ::= "$this->mode = <arg>);"
LexerPushModeCommand(arg, grammar) ::= "$this->pushMode(<arg>);"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "$localContext-><a.name>"
LocalRef(a) ::= "$localContext-><a.name>"
RetValRef(a) ::= "$localContext-><a.name>"
QRetValRef(a) ::= "<ctx(a)-><a.dict>-><a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)-><t.name>"
LabelRef(t) ::= "<ctx(t)-><t.name>"
ListLabelRef(t) ::= "<ctx(t)-><ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)-><s.name> = <rhsChunks>);"

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "(<ctx(t)-><t.label> !== null ? <ctx(t)-><t.label>->getText() : null)"
TokenPropertyRef_type(t) ::= "(<ctx(t)-><t.label> !== null ? <ctx(t)-><t.label>->getType() : 0)"
TokenPropertyRef_line(t) ::= "(<ctx(t)-><t.label> !== null ? <ctx(t)-><t.label>->getLine() : 0)"
TokenPropertyRef_pos(t) ::= "(<ctx(t)-><t.label> !== null ? <ctx(t)-><t.label>->getCharPositionInLine() : 0)"
TokenPropertyRef_channel(t) ::= "(<ctx(t)-><t.label> !== null ? <ctx(t)-><t.label>->getChannel() : 0)"
TokenPropertyRef_index(t) ::= "(<ctx(t)-><t.label> !== null ? <ctx(t)-><t.label>->getTokenIndex() : 0)"
TokenPropertyRef_int(t) ::= "(<ctx(t)-><t.label> !== null ? (int) <ctx(t)-><t.label>->getText() : 0)"

RulePropertyRef_start(r) ::= "(<ctx(r)-><r.label> !== null ? (<ctx(r)-><r.label>->start) : null)"
RulePropertyRef_stop(r) ::= "(<ctx(r)-><r.label> !== null ? (<ctx(r)-><r.label>->stop) : null)"
RulePropertyRef_text(r) ::= "(<ctx(r)-><r.label> !== null ? $this->input->getTextByTokens(<ctx(r)-><r.label>->start, <ctx(r)-><r.label>->stop) : null)"
RulePropertyRef_ctx(r) ::= "<ctx(r)-><r.label>"
RulePropertyRef_parser(r) ::= "\$this"

ThisRulePropertyRef_start(r) ::= "$localContext->start"
ThisRulePropertyRef_stop(r) ::= "$localContext->stop"
ThisRulePropertyRef_text(r) ::= "$this->input->getTextByTokens($localContext->start, $this->input->LT(-1))"

```

```

ThisRulePropertyRef_ctx(r) ::= "$localContext"
ThisRulePropertyRef_parser(r) ::= "$this"

NonLocalAttrRef(s) ::= "\$this->getInvokingContext(<s.ruleIndex>)-><s.name>"
SetNonLocalAttr(s, rhsChunks) ::= "\$this->getInvokingContext(<s.ruleIndex>)-><s.name> = <rhsChunks>";"

AddToLabelList(a) ::= "<ctx(a.label)>-><a.listName>[] = <labelref(a.label)>";"

TokenDecl(t) ::= "<TokenLabelType()> $<t.name>"
TokenTypeDecl(t) ::= ""
TokenListDecl(t) ::= "array $<t.name> = []"
RuleContextDecl(r) ::= "<r.ctxName> $<r.name>"
RuleContextListDecl(rdecl) ::= "array $<rdecl.name> = []"
AttributeDecl(d) ::= "<d.type> $<d.name><if(d.initValue)> = <d.initValue><endif>"

PropertiesDecl(struct) ::= <<
<if(struct.tokenListDecls)>
<struct.tokenListDecls : {d | /**
* @var array<Token>|null $<d.name>
*/
public $<d.name>;}; separator="\n\n">
<endif>
<if(struct.tokenDecls)>
<if(struct.tokenListDecls)>

<endif>
<struct.tokenDecls : {d | /**
* @var <TokenLabelType()>|null $<d.name>
*/
public $<d.name>;}; separator="\n\n">
<endif>
<if(struct.ruleContextDecls)>
<if(struct.tokenListDecls || struct.tokenDecls)>

<endif>
<struct.ruleContextDecls : {d | /**
* @var <d.ctxName>|null $<d.name>
*/
public $<d.name>;}; separator="\n\n">
<endif>
<if(struct.ruleContextListDecls)>
<if(struct.tokenListDecls || struct.tokenDecls || struct.ruleContextDecls)>

<endif>
<struct.ruleContextListDecls : {d | /**
* @var array<<d.ctxName>|>|null $<d.name>
*/
public $<d.name>;}; separator="\n\n">

```

```

<endif>
<if(struct.attributeDecls)>
<if(struct.tokenListDecls || struct.tokenDecls || struct.ruleContextDecls || struct.ruleContextListDecls)>

<endif>
<struct.attributeDecls : {d | /**
* @var <d.type><if(!d.initValue)>|null<endif> $<d.name>
*/
public $<d.name><if(d.initValue)> = <d.initValue><endif>;}; separator="\n\n">
<endif>

>>

ContextTokenGetterDecl(t) ::= <<
public function <t.name>() : ?TerminalNode
{
    return $this->getToken(<parser.name>::<t.name>, 0);
}
>>

ContextTokenListGetterDecl(t) ::= <<
>>

ContextTokenListIndexedGetterDecl(t) ::= <<
/**
* @return array<TerminalNode>|TerminalNode|null
*/
public function <t.name>(int $index = null)
{
    if ($index === null) {
        return $this->getTokens(<parser.name>::<t.name>);
    }

    return $this->getToken(<parser.name>::<t.name>, $index);
}
>>

ContextRuleGetterDecl(r) ::= <<
public function <r.name>() : ?<r.ctxName>
{
    return $this->getTypedRuleContext(<r.ctxName>::class, 0);
}
>>

ContextRuleListGetterDecl(r) ::= <<
>>

ContextRuleListIndexedGetterDecl(r) ::= <<

```

```

/**
 * @return array<<r.ctxName>>|<r.ctxName>|null
 */
public function <r.name>(?int $index = null)
{
    if ($index === null) {
        return $this->getTypedRuleContexts(<r.ctxName>::class);
    }

    return $this->getTypedRuleContext(<r.ctxName>::class, $index);
}
>>

LexerRuleContext() ::= "RuleContext"

/**
 * The rule context name is the rule followed by a suffix; e.g., r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "<tokenName>"
ImplicitRuleLabel(ruleName) ::= "<ruleName>"
ImplicitSetLabel(id) ::= "_tset<id>"
ListLabelName(label) ::= "<label>"

CaptureNextToken(d) ::= "$<d.varName> = \$this->input->LT(1);"
CaptureNextTokenType(d) ::= "$<d.varName> = $this->input->LA(1);"

StructDecl(struct,ctorAttrs,attrs,getters,dispatchMethods,interfaces,extensionMembers) ::= <<
class <struct.name> extends
<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)> implements
<interfaces; separator=", "><endif>
{
<PropertiesDecl(struct)>
public function __construct(?ParserRuleContext $parent, ?int $invokingState = null<ctorAttrs:{a | , ?<a> = null}>)
{
    parent::__construct($parent, $invokingState);
<if(struct.ctorAttrs)>

    <struct.ctorAttrs:{a | $this-><a.name> = $<a.name> ?? $this-><a.name>;}; separator="\n">
<endif>
}

public function getRuleIndex() : int
{
    return <parser.name>::RULE_<struct.derivedFromName>;
}
<if(getters)>

```



```

    <getters:{g | <g>}; separator="\n\n">
<endif>
<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
public function copyFrom(ParserRuleContext $context) : void
{
    parent::copyFrom($context);

    <struct.attrs:{a | $this-><a.name> = $context-><a.name>;}; separator="\n">
    }
<endif>
<if(dispatchMethods)>

    <dispatchMethods; separator="\n\n">
<endif>
<if(extensionMembers)>

    <extensionMembers; separator="\n\n">
<endif>
}
>>

```

```

AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
class <struct.name> extends <struct.parentRule; format="cap">Context
{
    <PropertiesDecl(struct)>
    public function __construct(<struct.parentRule; format="cap">Context $context)
    {
        parent::__construct($context);

        $this->copyFrom($context);
    }
<if(getters)>

    <getters:{g | <g>}; separator="\n\n">
<endif>
<if(dispatchMethods)>

    <dispatchMethods; separator="\n\n">
<endif>
}
>>

```

```

ListenerDispatchMethod(method) ::= <<
public function <if(method.isEnter)>enter<else>exit<endif>Rule(ParseTreeListener $listener) : void
{
    if ($listener instanceof <parser.grammarName>Listener) {
        $listener-><if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">($this);
    }
}
>>

```

```
}  
}  
>>
```

```
VisitorDispatchMethod(method) ::= <<  
public function accept(ParseTreeVisitor $visitor)  
{  
  if ($visitor instanceof <parser.grammarName>Visitor) {  
    return $visitor->visit<struct.derivedFromName; format="cap">($this);  
  }  
  
  return $visitor->visitChildren($this);  
}  
>>
```

```
/** If we don't know location of label def x, use this template */  
labelref(x) ::= "<if(!x.isLocal)>$localContext-><endif><x.name>"
```

```
/** For any action chunk, what is correctly-typed context struct ptr? */  
ctx(actionChunk) ::= "$localContext"
```

```
// used for left-recursive rules  
recRuleAltPredicate(ruleName,opPrec) ::= "\$this->precpred(\$this->ctx, <opPrec>)"
```

```
recRuleSetReturnAction(src,name) ::= "\$<name> = \$<src>-><name>;"
```

```
recRuleSetStopToken() ::= "$this->ctx->stop = $this->input->LT(-1);"
```

```
recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<  
$localContext = new Context\\<ctxName>Context($parentContext, $parentState);  
<if(label)>  
<if(isListLabel)>  
$localContext-><label>[] = $previousContext;  
<else>  
$localContext-><label> = $previousContext;  
<endif>  
<endif>  
  
$this->pushNewRecursionContext($localContext, $startState, self::RULE_<ruleName>);  
>>
```

```
recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<  
$localContext = new Context\\<currentAltLabel; format="cap">Context(new Context\\<ruleName;  
format="cap">Context($parentContext, $parentState));  
<if(label)>  
<if(isListLabel)>  
$localContext-><label>[] = $previousContext;  
<else>
```

```

$localContext-><label> = $previousContext;
<endif>
<endif>

$this->pushNewRecursionContext($localContext, $startState, self::RULE_<ruleName>);
>>

recRuleReplaceContext(ctxName) ::= <<
$localContext = new Context\\<ctxName>Context($localContext);
$this->ctx = $localContext;
$previousContext = $localContext;
>>

recRuleSetPrevCtx() ::= <<
if ($this->getParseListeners() !== null) {
    $this->triggerExitRuleEvent();
}

$previousContext = $localContext;
>>

LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
<lexer>
>>

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
namespace<if(lexerFile.genPackage)> <lexerFile.genPackage><endif> {
<if(namedActions.header)><namedActions.header><endif>
use Antlr\\Antlr4\\Runtime\\Atn\\ATNDeserializer;
use Antlr\\Antlr4\\Runtime\\Atn\\LexerATNSimulator;
use Antlr\\Antlr4\\Runtime\\Lexer;
use Antlr\\Antlr4\\Runtime\\CharStream;
use Antlr\\Antlr4\\Runtime\\PredictionContexts\\PredictionContextCache;
use Antlr\\Antlr4\\Runtime\\RuleContext;
use Antlr\\Antlr4\\Runtime\\Atn\\ATN;
use Antlr\\Antlr4\\Runtime\\Dfa\\DFA;
use Antlr\\Antlr4\\Runtime\\Vocabulary;
use Antlr\\Antlr4\\Runtime\\RuntimeMetaData;
use Antlr\\Antlr4\\Runtime\\VocabularyImpl;
<if(namedActions.definitions)><namedActions.definitions><endif>

final class <lexer.name> extends <superClass; null="Lexer">
{
<if(lexer.tokens)>
public const <lexer.tokens:{k | <k> = <lexer.tokens.(k)>}; separator=", ", wrap, anchor>;
<endif>

```

```

<if(lexer.channels)>
public const <lexer.channels:{c | <c> = <lexer.channels.(c)>}; separator=", ", wrap, anchor>;
<endif>

<if(rest(lexer.modes))>
public const <rest(lexer.modes){m | <m>=<i>}; separator=", ", wrap, anchor>;
<endif>

/**
 * @var array<string>
 */
public const CHANNEL_NAMES = [
  'DEFAULT_TOKEN_CHANNEL', 'HIDDEN'<if (lexer.channels)>, <lexer.channels:{c | '<c>'}; separator=", ",
wrap, anchor><endif>
];

/**
 * @var array<string>
 */
public const MODE_NAMES = [
  <lexer.modes:{m | '<m>'}; separator=", ", wrap, anchor>
];

/**
 * @var array<string>
 */
public const RULE_NAMES = [
  <lexer.ruleNames:{r | '<r>'}; separator=", ", wrap, anchor>
];

<vocabulary(lexer.literalNames, lexer.symbolicNames)>

<atn>
protected static $atn;
protected static $decisionToDFA;
protected static $sharedContextCache;
<if(namedActions.members)>

  <namedActions.members>
<endif>

public function __construct(CharStream $input)
{
  parent::__construct($input);

  self::initialize();
}

```

```

$this->interp = new LexerATNSimulator($this, self::$satn, self::$decisionToDFA, self::$sharedContextCache);
}

private static function initialize() : void
{
    if (self::$satn !== null) {
        return;
    }

    RuntimeMetaData::checkVersion('<lexerFile.ANTLRVersion>', RuntimeMetaData::VERSION);

    $satn = (new ATNDeserializer()->deserialize(self::SERIALIZED_ATN);

    $decisionToDFA = [];
    for ($i = 0, $count = $satn->getNumberOfDecisions(); $i < $count; $i++) {
        $decisionToDFA[] = new DFA($satn->getDecisionState($i), $i);
    }

    self::$satn = $satn;
    self::$decisionToDFA = $decisionToDFA;
    self::$sharedContextCache = new PredictionContextCache();
}

public static function vocabulary() : Vocabulary
{
    static $vocabulary;

    return $vocabulary = $vocabulary ?? new VocabularyImpl(self::LITERAL_NAMES, self::SYMBOLIC_NAMES);
}

public function getGrammarFileName() : string
{
    return '<lexer.grammarFileName>';
}

public function getRuleNames() : array
{
    return self::RULE_NAMES;
}

public function getSerializedATN() : string
{
    return self::SERIALIZED_ATN;
}

/**
 * @return array<string>
 */

```

```

public function getChannelNames() : array
{
    return self::CHANNEL_NAMES;
}

/**
 * @return array<string>
 */
public function getModeNames() : array
{
    return self::MODE_NAMES;
}

public function getATN() : ATN
{
    return self::$atn;
}

public function getVocabulary() : Vocabulary
{
    return self::vocabulary();
}
<dumpActions(lexer, "", actionFuncs, sempredFuncs)>
}
}
>>

SerializedATN(model) ::= <<
<if(rest(model.segments))>
/**
 * @var string
 */
private const SERIALIZED_ATN =
    <model.segments:{segment| "<segment; wrap={ " .<n>" }>"}; separator=" .\n">;
<else>
/**
 * @var string
 */
private const SERIALIZED_ATN =
    "<model.serialized; wrap={ " .<n>  " }>";
<endif>
>>

/**
 * Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is `null`.
 */
initValue(typeName) ::= <<

```

```
<phpTypeInitMap.(typeName)>
```

```
>>
```

```
codeFileExtension() ::= ".php"
```

Found in path(s):

```
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-  
jar/org/antlr/v4/tool/templates/codegen/PHP/PHP.stg
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```
*/
```

```
// args must be <object-model-object>, <fields-resulting-in-STs>
```

```
ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
```

```
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
```

```
<if(file.genPackage)>
```

```
namespace <file.genPackage> {
```

```
<endif>
```

```
<namedActions.header>
```

```

using System;
using System.IO;
using System.Text;
using System.Diagnostics;
using System.Collections.Generic;
using Antlr4.Runtime;
using Antlr4.Runtime.Atn;
using Antlr4.Runtime.Misc;
using Antlr4.Runtime.Tree;
using DFA = Antlr4.Runtime.Dfa.DFA;

```

```

<parser>
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

```

```

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<header>
using Antlr4.Runtime.Misc;
using IParseTreeListener = Antlr4.Runtime.Tree.IParseTreeListener;
using IToken = Antlr4.Runtime.IToken;

```

```

/// \<summary>
/// This interface defines a complete listener for a parse tree produced by
/// \<see cref="<csIdentifier.(file.parserName)>">"/>.
/// \</summary>
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public interface I<file.grammarName>Listener : IParseTreeListener {
<file.listenerNames:{lname |
/// \<summary>
<if(file.listenerLabelRuleNames.(lname))>
/// Enter a parse tree produced by the \<c><lname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(lname)>">"/>.
<else>
/// Enter a parse tree produced by \<see cref="<file.parserName>.<lname>">"/>.
<endif>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
void Enter<lname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<lname; format="cap">Context
context);
/// \<summary>
<if(file.listenerLabelRuleNames.(lname))>

```



```

/// Exit a parse tree produced by the \<c><lname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(lname)>">.
<else>
/// Exit a parse tree produced by \<see cref="<file.parserName>.<lname>">.
<endif>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
void Exit<lname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<lname; format="cap">Context
context)); separator="\n">
}
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

```

```

BaseListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<header>

```

```

using Antlr4.Runtime.Misc;
using IErrorNode = Antlr4.Runtime.Tree.IErrorNode;
using ITerminalNode = Antlr4.Runtime.Tree.ITerminalNode;
using IToken = Antlr4.Runtime.IToken;
using ParserRuleContext = Antlr4.Runtime.ParserRuleContext;

```

```

/// \<summary>
/// This class provides an empty implementation of \<see cref="I<file.grammarName>Listener"/>,
/// which can be extended to create a listener which only needs to handle a subset
/// of the available methods.
/// \</summary>

```

```

[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.Diagnostics.DebuggerNonUserCode]
[System.CLSCompliant(false)]
public partial class <file.grammarName>BaseListener : I<file.grammarName>Listener {
<file.listenerNames: {lname |

```

```

/// \<summary>
<if(file.listenerLabelRuleNames.(lname))>
/// Enter a parse tree produced by the \<c><lname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(lname)>">.
<else>
/// Enter a parse tree produced by \<see cref="<file.parserName>.<lname>">.
<endif>

```

```

/// \<para>The default implementation does nothing.\</para>
/// \</summary>

```

```

/// \<param name="context">The parse tree.\</param>

```

```

public virtual void Enter<Iname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<Iname;
format="cap">Context context) { \}
/// \<summary>
<if(file.listenerLabelRuleNames.(Iname))>
/// Exit a parse tree produced by the \<c><Iname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(Iname)>">/.
<else>
/// Exit a parse tree produced by \<see cref="<file.parserName>.<Iname>">/.
<endif>
/// \<para>The default implementation does nothing.\</para>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
public virtual void Exit<Iname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<Iname;
format="cap">Context context) { \} }; separator="\n"

/// \<inheritdoc/>
/// \<remarks>The default implementation does nothing.\</remarks>
public virtual void EnterEveryRule([NotNull] ParserRuleContext context) { }
/// \<inheritdoc/>
/// \<remarks>The default implementation does nothing.\</remarks>
public virtual void ExitEveryRule([NotNull] ParserRuleContext context) { }
/// \<inheritdoc/>
/// \<remarks>The default implementation does nothing.\</remarks>
public virtual void VisitTerminal([NotNull] ITerminalNode node) { }
/// \<inheritdoc/>
/// \<remarks>The default implementation does nothing.\</remarks>
public virtual void VisitErrorNode([NotNull] IErrorNode node) { }
}
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<header>
using Antlr4.Runtime.Misc;
using Antlr4.Runtime.Tree;
using IToken = Antlr4.Runtime.IToken;

/// \<summary>
/// This interface defines a complete generic visitor for a parse tree produced
/// by \<see cref="<csIdentifier.(file.parserName)>">/.
/// \</summary>
/// \<typeparam name="Result">The return type of the visit operation.\</typeparam>

```

```

[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public interface I<file.grammarName>Visitor<Result> : IParseTreeVisitor<Result> {
    <file.visitorNames>: { Iname |
    /// <summary>
    <if(file.visitorLabelRuleNames.(Iname))>
    /// Visit a parse tree produced by the <c><Iname></c>
    /// labeled alternative in <see cref="<file.parserName>.<file.visitorLabelRuleNames.(Iname)>">/.
    <else>
    /// Visit a parse tree produced by <see cref="<file.parserName>.<Iname>">/.
    <endif>
    /// </summary>
    /// <param name="context">The parse tree.</param>
    /// <return>The visitor result.</return>
    Result Visit<Iname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<Iname; format="cap">Context
    context);); separator="\n">
    }
    <if(file.genPackage)>
    } // namespace <file.genPackage>
    <endif>
}>>

```

```

BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<header>
using Antlr4.Runtime.Misc;
using Antlr4.Runtime.Tree;
using IToken = Antlr4.Runtime.IToken;
using ParserRuleContext = Antlr4.Runtime.ParserRuleContext;

    /// <summary>
    /// This class provides an empty implementation of <see cref="I<file.grammarName>Visitor{Result}">,
    /// which can be extended to create a visitor which only needs to handle a subset
    /// of the available methods.
    /// </summary>
    /// <typeparam name="Result">The return type of the visit operation.</typeparam>
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.Diagnostics.DebuggerNonUserCode]
[System.CLSCompliant(false)]
public partial class <file.grammarName>BaseVisitor<Result> : AbstractParseTreeVisitor<Result>,
I<file.grammarName>Visitor<Result> {
    <file.visitorNames>: { Iname |
    /// <summary>
    <if(file.visitorLabelRuleNames.(Iname))>
    /// Visit a parse tree produced by the <c><Iname></c>

```

```

/// labeled alternative in \<see cref="<file.parserName>.<file.visitorLabelRuleNames.(Iname)>"/>.
<else>
/// Visit a parse tree produced by \<see cref="<file.parserName>.<Iname>"/>.
<endif>
/// \<para>
/// The default implementation returns the result of calling \<see
cref="AbstractParseTreeVisitor{Result\}.VisitChildren(IRuleNode)"/>
/// on \<paramref name="context"/>.
/// \</para>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
/// \<return>The visitor result.\</return>
public virtual Result Visit<Iname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<Iname;
format="cap">Context context) { return VisitChildren(context); \}}; separator="\n">
}
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

fileHeader(grammarFileName, ANTLRVersion) ::= <<
//-----
// \<auto-generated>
//   This code was generated by a tool.
//   ANTLR Version: <ANTLRVersion>
//
//   Changes to this file may cause incorrect behavior and will be lost if
//   the code is regenerated.
// \</auto-generated>
//-----

// Generated from <grammarFileName> by ANTLR <ANTLRVersion>

// Unreachable code detected
#pragma warning disable 0162
// The variable '...' is assigned but its value is never used
#pragma warning disable 0219
// Missing XML comment for publicly visible type or member '...'
#pragma warning disable 1591
// Ambiguous reference in cref attribute
#pragma warning disable 419

>>

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

```

```

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public partial class <csIdentifier.(parser.name)> : <superClass; null="Parser"> {
protected static DFA[] decisionToDFA;
protected static PredictionContextCache sharedContextCache = new PredictionContextCache();
<if(parser.tokens)>
public const int
<parser.tokens:{k | <k>=<parser.tokens.(k)>}; separator=", ", wrap, anchor>;
<endif>
<if(parser.rules)>
public const int
<parser.rules:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>;
<endif>
public static readonly string[] ruleNames = {
<parser.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor>
};

<vocabulary(parser.literalNames, parser.symbolicNames)>

public override string GrammarFileName { get { return "<parser.grammarFileName>"; } }

public override string[] RuleNames { get { return ruleNames; } }

public override string SerializedAtn { get { return new string(_serializedATN); } }

static <csIdentifier.(parser.name)>() {
decisionToDFA = new DFA[_ATN.NumberOfDecisions];
for (int i = 0; i < _ATN.NumberOfDecisions; i++) {
decisionToDFA[i] = new DFA(_ATN.GetDecisionState(i), i);
}
}

<namedActions.members>
<parser:(ctor)()>
<funcs; separator="\n">

<if(sempredFuncs)>
public override bool Sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
switch (ruleIndex) {
<parser.sempredFuncs.values:{f}
case <f.ruleIndex>: return <f.name>_sempred((<f.ctxType>)_localctx, predIndex);}; separator="\n">
}
return true;
}
<sempredFuncs.values; separator="\n">
<endif>

```

```

<atn>
}
>>

vocabulary(literalNames, symbolicNames) ::= <<
private static readonly string[] _LiteralNames = {
<literalNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
};
private static readonly string[] _SymbolicNames = {
<symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
};
public static readonly IVocabulary DefaultVocabulary = new Vocabulary(_LiteralNames, _SymbolicNames);

[NotNull]
public override IVocabulary Vocabulary
{
get
{
return DefaultVocabulary;
}
}
>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
public override void Action(RuleContext _localctx, int ruleIndex, int actionIndex) {
switch (ruleIndex) {
<recog.actionFuncs.values:{f}
case <f.ruleIndex> : <f.name>_action(<if(!recog.modes)><f.ctxType><endif>_localctx, actionIndex); break;};
separator="\n">
}
}
<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>
public override bool Sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
switch (ruleIndex) {
<recog.sempredFuncs.values:{f}
case <f.ruleIndex> : return <f.name>_sempred(<if(!recog.modes)><f.ctxType><endif>_localctx, predIndex);};
separator="\n">
}
return true;
}
<sempredFuncs.values; separator="\n">
<endif>
>>

parser_ctor(parser) ::= <<

```

```

public <csIdentifier.(parser.name)>(ITokenStream input) : this(input, Console.Out, Console.Error) { }

public <csIdentifier.(parser.name)>(ITokenStream input, TextWriter output, TextWriter errorOutput)
: base(input, output, errorOutput)
{
    Interpreter = new ParserATNSimulator(this, _ATN, decisionToDFA, sharedContextCache);
}
>>

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleActionFunction(r, actions) ::= <<
private void <r.name>_action(<r.ctxType> _localctx, int actionIndex) {
    switch (actionIndex) {
        <actions:{index|
case <index>: <actions.(index)> break;}; separator="\n">
    }
}
>>

/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleSempredFunction(r, actions) ::= <<
private bool <r.name>_sempred(<r.ctxType> _localctx, int predIndex) {
    switch (predIndex) {
        <actions:{index|
case <index>: return <actions.(index)>;}; separator="\n">
    }
    return true;
}
>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

<if(ruleCtx)>
<ruleCtx>
<endif>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

[RuleVersion(<namedActions.version; null="0">)]
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>public <endif><currentRule.ctxType>
<csIdentifier.(currentRule.name)>(<args; separator=", ">) {
    <currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context, State<currentRule.args:{a | ,
<csIdentifier.(a.name)>}>);
    EnterRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>);
}
}
>>

```

```

<namedActions.init>
<locals; separator="\n">
try {
<if(currentRule.hasLookaheadBlock)>
  int _alt;
<endif>
  <code>
  <postamble; separator="\n">
  <namedActions.after>
  }
<if(exceptions)>
<exceptions; separator="\n">
<else>
catch (RecognitionException re) {
  _localctx.exception = re;
  ErrorHandler.ReportError(this, re);
  ErrorHandler.Recover(this, re);
}
<endif>
finally {
  <finallyAction>
  ExitRule();
}
return _localctx;
}
>>

```

```

LeftFactoredRuleFunction(currentRule,args,code,locals,namedActions,finallyAction,postamble) ::=
<<

```

```

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>private <endif><currentRule.ctxType>
<csIdentifier.(currentRule.name)><(args; separator=", "> {
  <currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context, State<currentRule.args:{a | ,
  <csIdentifier.(a.name)>>>);
  EnterLeftFactoredRule(_localctx, <currentRule.startState>, RULE_<currentRule.variantOf>);
  <namedActions.init>
  <locals; separator="\n">
  try {
  <if(currentRule.hasLookaheadBlock)>
    int _alt;
  <endif>
    <code>
    <postamble; separator="\n">
    <namedActions.after>
    }
  catch (RecognitionException re) {
    _localctx.exception = re;
    ErrorHandler.ReportError(this, re);

```



```

    ErrorHandler.Recover(this, re);
}
finally {
    <finallyAction>
    ExitRule();
}
return _localctx;
}
>>

// This behaves similar to RuleFunction (enterRule is called, and no adjustments
// are made to the parse tree), but since it's still a variant no context class
// needs to be generated.
LeftUnfactoredRuleFunction(currentRule,args,code,locals,namedActions,finallyAction,postamble) ::=
<<

<if(currentRule.modifiers)><currentRule.modifiers:{f| <f> }><else>private <endif><currentRule.ctxType>
<csIdentifier.(currentRule.name)><(args; separator=", "> {
    <currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context, State<currentRule.args:{a| ,
<csIdentifier.(a.name)>>>);
    EnterRule(_localctx, <currentRule.startState>, RULE_<currentRule.variantOf>);
    <namedActions.init>
    <locals; separator="\n">
    try {
    <if(currentRule.hasLookaheadBlock)>
        int _alt;
    <endif>
    <code>
    <postamble; separator="\n">
    <namedActions.after>
    }
    catch (RecognitionException re) {
        _localctx.exception = re;
        ErrorHandler.ReportError(this, re);
        ErrorHandler.Recover(this, re);
    }
    finally {
        <finallyAction>
        ExitRule();
    }
    return _localctx;
}
>>

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
    namedActions,finallyAction,postamble) ::=
<<

```

```

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

[RuleVersion(<namedActions.version; null="0">)]
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>public <endif><currentRule.ctxType>
<csIdentifier.(currentRule.name)><(args; separator=", "> {
  return <csIdentifier.(currentRule.name)><(0<currentRule.args:{a | , <csIdentifier.(a.name)>}>>);
}

private <currentRule.ctxType> <csIdentifier.(currentRule.name)><(int _p<args:{a | , <a>}>)> {
  ParserRuleContext _parentctx = Context;
  int _parentState = State;
  <currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context, _parentState<currentRule.args:{a | ,
<csIdentifier.(a.name)>}>>);
  <currentRule.ctxType> _prevctx = _localctx;
  int _startState = <currentRule.startState>;
  EnterRecursionRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>, _p);
  <namedActions.init>
  <locals; separator="\n">
  try {
<if(currentRule.hasLookaheadBlock)>
  int _alt;
<endif>
  <code>
  <postamble; separator="\n">
  <namedActions.after>
  }
  catch (RecognitionException re) {
    _localctx.exception = re;
    ErrorHandler.ReportError(this, re);
    ErrorHandler.Recover(this, re);
  }
  finally {
  <finallyAction>
  UnrollRecursionContexts(_parentctx);
  }
  return _localctx;
}
>>

```

```

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>_localctx = new <currentOuterMostAltCodeBlock.altLabel>
format="cap">Context(_localctx);<endif>
EnterOuterAlt(_localctx, <currentOuterMostAltCodeBlock.alt.altNum>);
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

```

```

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<

```

```
{
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
}
>>
```

```
LL1AltBlock(choice, preamble, alts, error) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
<if(choice.label)><labelref(choice.label)> = TokenStream.LT(1);<endif>
<preamble; separator="\n">
switch (TokenStream.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
<alt>
break;}; separator="\n">
default:
<error>
}
>>
```

```
LL1OptionalBlock(choice, alts, error) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
switch (TokenStream.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
<alt>
break;}; separator="\n">
default:
break;
}
>>
```

```
LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
<preamble; separator="\n">
if (<expr>) {
<alts; separator="\n">
}
<!else if ( !(<followExpr> ) <error>!>
>>
```

```
LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
<preamble; separator="\n">
while (<loopExpr>) {
```

```

<alts; separator="\n">
State = <choice.loopBackStateNumber>;
ErrorHandler.Sync(this);
<iteration>
}
>>

```

```

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
State = <choice.blockStartStateNumber>;<! alt block decision !>
ErrorHandler.Sync(this);
<preamble; separator="\n">
do {
<alts; separator="\n">
State = <choice.stateNumber>;<! loopback/exit decision !>
ErrorHandler.Sync(this);
<iteration>
} while ( <loopExpr> );
>>

```

```

// LL(*) stuff

```

```

AltBlock(choice, preamble, alts, error) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
<if(choice.label)><labelref(choice.label)> = TokenStream.LT(1);<endif>
<preamble; separator="\n">
switch ( Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context) ) {
<alts:{ alt |
case <i>:
<alt>
break;}; separator="\n">
}
>>

```

```

OptionalBlock(choice, alts, error) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
switch ( Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context) ) {
<alts:{ alt |
case <i><if(!choice.ast.greedy)>+1<endif>:
<alt>
break;}; separator="\n">
}
>>

```

```

StarBlock(choice, alts, sync, iteration) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);

```

```

_alt = Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context);
while ( _alt!=<choice.exitAlt> && _alt!=global::Antlr4.Runtime.Atn.ATN.INVALID_ALT_NUMBER ) {
if ( _alt==1<if(!choice.ast.greedy)>+1<endif> ) {
<iteration>
<alts> <! should only be one !>
}
State = <choice.loopBackStateNumber>;
ErrorHandler.Sync(this);
_alt = Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context);
}
>>

```

```

PlusBlock(choice, alts, error) ::= <<
State = <choice.blockStartStateNumber>;<! alt block decision !>
ErrorHandler.Sync(this);
_alt = 1<if(!choice.ast.greedy)>+1<endif>;
do {
switch ( _alt ) {
<alts:{alt|
case <i><if(!choice.ast.greedy)>+1<endif>:
<alt>
break;}; separator="\n">
default:
<error>
}
State = <choice.loopBackStateNumber>;<! loopback/exit decision !>
ErrorHandler.Sync(this);
_alt = Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context);
} while ( _alt!=<choice.exitAlt> && _alt!=global::Antlr4.Runtime.Atn.ATN.INVALID_ALT_NUMBER );
>>

```

```
Sync(s) ::= "Sync(<s.expecting.name>);"
```

```
ThrowNoViableAlt(t) ::= "throw new NoViableAltException(this);"
```

```

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">
>>

```

```

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>

```

```

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShift(s.varName, bits.shift)>})> && ((1L \<< <offsetShift(s.varName, bits.shift)>) &

```

```

(<bits.ttypes:{ ttype | (1L \< <offsetShift(tokenType.(ttype), bits.shift)>); separator=" | ">) != 0)
%>

isZero ::= [
"0":true,
default:false
]

offsetShift(shiftAmount, offset) ::= <%
<if(!isZero.(offset))><shiftAmount> - <offset><else><shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ ttype | <s.varName>===<tokenType.(ttype)>}; separator=" || ">
%>

cases(ttypes) ::= <<
<types:{ t | case <tokenType.(t)>:}; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::= <<
State = <r.stateNumber>;
<if(r.labels)><r.labels:{1 | <labelref(l)> =
}><endif><csIdentifier.(r.name)><(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)><endif><endif><arg
ExprsChunks>);
>>

MatchToken(m) ::= <<
State = <m.stateNumber>;
<if(m.labels)><m.labels:{1 | <labelref(l)> = }><endif>Match(<tokenType.(m.name)>);
>>

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
State = <m.stateNumber>;
<if(m.labels)><m.labels:{1 | <labelref(l)> = }>TokenStream.LT(1);<endif>
<capture>
if ( <(<if(invert)><m.varName> \<= 0 || <else>!<endif><expr>) ) {
<if(m.labels)><m.labels:{1 | <labelref(l)> = }><endif>ErrorHandler.RecoverInline(this);
}
else {
ErrorHandler.ReportMatch(this);
Consume();
}
}

```

```

>>

Wildcard(w) ::= <<
State = <w.stateNumber>;
<if(w.labels)><w.labels:{1 | <labelref(l)> = }><endif>MatchWildcard();
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
State = <p.stateNumber>;
if (!(<chunks>)) throw new FailedPredicateException(this, <p.predicate><if(failChunks)>,
<failChunks><elseif(p.msg)>, <p.msg><endif>);
>>

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
  <catchAction>
}
>>

// lexer actions are not associated with model objects

LexerSkipCommand() ::= "Skip();"
LexerMoreCommand() ::= "More();"
LexerPopModeCommand() ::= "PopMode();"

LexerTypeCommand(arg, grammar) ::= "_type = <tokenType.(arg)>";
LexerChannelCommand(arg, grammar) ::= "_channel = <channelName.(arg)>";
LexerModeCommand(arg, grammar) ::= "_mode = <modeName.(arg)>";
LexerPushModeCommand(arg, grammar) ::= "PushMode(<modeName.(arg)>);"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "_localctx.<csIdentifier.(a.name)>"
LocalRef(a) ::= "_localctx.<csIdentifier.(a.name)>"
RetValRef(a) ::= "_localctx.<csIdentifier.(a.name)>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<csIdentifier.(a.name)>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<csIdentifier.(tokenType.(t.name))>"
LabelRef(t) ::= "<ctx(t)>.<csIdentifier.(t.name)>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(csIdentifier.(t.name))>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<csIdentifier.(s.name)> = <rhsChunks>";

```

```

TokenLabelType() ::= "<file.TokenLabelType; null={IToken}>"
InputSymbolType() ::= "<file.InputSymbolType; null={IToken}>"

TokenPropertyRef_text(t) ::= "<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.Text:null)"
TokenPropertyRef_type(t) ::= "<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.Type:0)"
TokenPropertyRef_line(t) ::= "<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.Line:0)"
TokenPropertyRef_pos(t) ::=
"<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.CharPositionInLine:0)"
TokenPropertyRef_channel(t) ::=
"<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.Channel:0)"
TokenPropertyRef_index(t) ::=
"<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.TokenIndex:0)"
TokenPropertyRef_int(t) ::=
"<ctx(t)>.<tokenType.(t.label)>!=null?int.Parse(<ctx(t)>.<tokenType.(t.label)>.Text):0)"

RulePropertyRef_start(r) ::= "<ctx(r)>.<r.label>!=null?(<ctx(r)>.<r.label>.Start):null)"
RulePropertyRef_stop(r) ::= "<ctx(r)>.<r.label>!=null?(<ctx(r)>.<r.label>.Stop):null)"
RulePropertyRef_text(r) ::=
"<ctx(r)>.<r.label>!=null?TokenStream.GetText(<ctx(r)>.<r.label>.Start,<ctx(r)>.<r.label>.Stop):null)"
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "this"

ThisRulePropertyRef_start(r) ::= "_localctx.Start"
ThisRulePropertyRef_stop(r) ::= "_localctx.Stop"
ThisRulePropertyRef_text(r) ::= "TokenStream.GetText(_localctx.Start, TokenStream.LT(-1))"
ThisRulePropertyRef_ctx(r) ::= "_localctx"
ThisRulePropertyRef_parser(r) ::= "this"

NonLocalAttrRef(s) ::= <%((<s.ruleName;
format="cap">Context)GetInvokingContext(<s.ruleIndex>)).<csIdentifier.(s.name)>%>
SetNonLocalAttr(s, rhsChunks) ::=
<%((<s.ruleName; format="cap">Context)GetInvokingContext(<s.ruleIndex>)).<csIdentifier.(s.name)> =
<rhsChunks>;%>

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.Add(<labelref(a.label)>);"

TokenDecl(t) ::= "<TokenLabelType() <csIdentifier.(tokenType.(t.name))>"
TokenTypeDecl(t) ::= "int <csIdentifier.(tokenType.(t.name))>);"
TokenListDecl(t) ::= "IList<IToken> <csIdentifier.(tokenType.(t.name))> = new List<IToken>()"
RuleContextDecl(r) ::= "<r.ctxName> <csIdentifier.(r.name)>"
RuleContextListDecl(rdecl) ::= "IList<<rdecl.ctxName>> <csIdentifier.(rdecl.name)> = new
List<<rdecl.ctxName>>()"

contextGetterCollection(elementType) ::= <%
<elementType>[]
%>

ContextTokenGetterDecl(t) ::=

```



```

    "[System.Diagnostics.DebuggerNonUserCode] public ITerminalNode <csIdentifier.(tokenType.(t.name))>() {
return GetToken(<csIdentifier.(parser.name)>.<csIdentifier.(tokenType.(t.name))>, 0); }"
ContextTokenListGetterDecl(t) ::= <<
[System.Diagnostics.DebuggerNonUserCode] public <contextGetterCollection("ITerminalNode")>
<csIdentifier.(tokenType.(t.name))>() { return
GetTokens(<csIdentifier.(parser.name)>.<csIdentifier.(tokenType.(t.name))>); }
>>
ContextTokenListIndexedGetterDecl(t) ::= <<
[System.Diagnostics.DebuggerNonUserCode] public ITerminalNode <csIdentifier.(tokenType.(t.name))>(int i) {
return GetToken(<csIdentifier.(parser.name)>.<csIdentifier.(tokenType.(t.name))>, i);
}
>>
ContextRuleGetterDecl(r) ::= <<
[System.Diagnostics.DebuggerNonUserCode] public <r.ctxName> <csIdentifier.(r.name)>() {
return GetRuleContext<<r.ctxName>>();
}
>>
ContextRuleListGetterDecl(r) ::= <<
[System.Diagnostics.DebuggerNonUserCode] public <contextGetterCollection({<r.ctxName>})>
<csIdentifier.(r.name)>() {
return GetRuleContexts<<r.ctxName>>();
}
>>
ContextRuleListIndexedGetterDecl(r) ::= <<
[System.Diagnostics.DebuggerNonUserCode] public <r.ctxName> <csIdentifier.(r.name)>(int i) {
return GetRuleContext<<r.ctxName>>(i);
}
>>

LexerRuleContext() ::= "RuleContext"

/** The rule context name is the rule followed by a suffix; e.g.,
* r becomes rContext.
*/
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "_<tokenType.(tokenName)>"
ImplicitRuleLabel(ruleName) ::= "_<ruleName>"
ImplicitSetLabel(id) ::= "_tset<id>"
ListLabelName(label) ::= "_<label>"

CaptureNextToken(d) ::= "<d.varName> = TokenStream.LT(1);"
CaptureNextTokenType(d) ::= "<d.varName> = TokenStream.LA(1);"

StructDecl(struct,ctorAttrs,attrs,getters,dispatchMethods,interfaces,extensionMembers,
superClass={ParserRuleContext}) ::= <<
public partial class <struct.name> :
<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)>, <interfaces>

```

```

separator=", "><endif> {
  <attrs:{a | public <a>;}; separator="\n">
  <getters:{g | <g>;}; separator="\n">
  <if(ctorAttrs)>public <struct.name>(ParserRuleContext parent, int invokingState) : base(parent, invokingState) {
  }<endif>
  public <struct.name>(ParserRuleContext parent, int invokingState<ctorAttrs:{a | , <a>}>)
  : base(parent, invokingState)
  {
  <struct.ctorAttrs:{a | this.<csIdentifier.(a.name)> = <csIdentifier.(a.name)>;}; separator="\n">
  }
  public override int RuleIndex { get { return RULE_<struct.derivedFromName>; } }
  <if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
  public <struct.name>() { }
  public virtual void CopyFrom(<struct.name> context) {
  base.CopyFrom(context);
  <struct.attrs:{a | this.<csIdentifier.(a.name)> = context.<csIdentifier.(a.name)>;}; separator="\n">
  }
  <endif>
  <dispatchMethods; separator="\n">
  <extensionMembers; separator="\n">
  }
  >>

```

```

AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
public partial class <struct.name> : <currentRule.name; format="cap">Context {
  <attrs:{a | public <a>;}; separator="\n">
  <getters:{g | <g>;}; separator="\n">
  public <struct.name>(<currentRule.name; format="cap">Context context) { CopyFrom(context); }
  <dispatchMethods; separator="\n">
  }
  >>

```

```

ListenerDispatchMethod(method) ::= <<
[System.Diagnostics.DebuggerNonUserCode]
public override void <if(method.isEnter)>Enter<else>Exit<endif>Rule(IParseTreeListener listener) {
  I<parser.grammarName>Listener typedListener = listener as I<parser.grammarName>Listener;
  if (typedListener != null) typedListener.<if(method.isEnter)>Enter<else>Exit<endif><struct.derivedFromName;
  format="cap">(this);
  }
  >>

```

```

VisitorDispatchMethod(method) ::= <<
[System.Diagnostics.DebuggerNonUserCode]
public override TResult Accept<TResult>(IParseTreeVisitor<TResult> visitor) {
  I<parser.grammarName>Visitor<TResult> typedVisitor = visitor as I<parser.grammarName>Visitor<TResult>;
  if (typedVisitor != null) return typedVisitor.Visit<struct.derivedFromName; format="cap">(this);
  else return visitor.VisitChildren(this);
  }
  >>

```

>>

```
AttributeDecl(d) ::= "<d.type> <csIdentifier.(d.name)><if(d.initValue)> = <d.initValue><endif>"
```

```
/** If we don't know location of label def x, use this template */
```

```
labelref(x) ::= "<if(!x.isLocal)><typedContext(x.ctx)>.<endif><csIdentifier.(x.name)>"
```

```
/** For any action chunk, what is correctly-typed context struct ptr? */
```

```
ctx(actionChunk) ::= "<typedContext(actionChunk.ctx)>"
```

```
// only casts _localctx to the type when the cast isn't redundant (i.e. to a sub-context for a labeled alt)
```

```
typedContext(ctx) ::= "<if(ctx.provideCopyFrom)>((<ctx.name>)_localctx<else>_localctx<endif>"
```

```
// used for left-recursive rules
```

```
recRuleAltPredicate(ruleName,opPrec) ::= "Precpred(Context, <opPrec>)"
```

```
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>;"
```

```
recRuleSetStopToken() ::= "Context.Stop = TokenStream.LT(-1);"
```

```
recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
```

```
_localctx = new <ctxName>Context(_parentctx, _parentState);
```

```
<if(label)>
```

```
<if(isListLabel)>
```

```
_localctx.<label>.Add(_prevctx);
```

```
<else>
```

```
_localctx.<label> = _prevctx;
```

```
<endif>
```

```
<endif>
```

```
PushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
```

```
>>
```

```
recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
```

```
_localctx = new <currentAltLabel; format="cap">Context(new <ruleName; format="cap">Context(_parentctx,  
_parentState));
```

```
<if(label)>
```

```
<if(isListLabel)>
```

```
((<currentAltLabel; format="cap">Context)_localctx).<label>.Add(_prevctx);
```

```
<else>
```

```
((<currentAltLabel; format="cap">Context)_localctx).<label> = _prevctx;
```

```
<endif>
```

```
<endif>
```

```
PushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
```

```
>>
```

```
recRuleReplaceContext(ctxName) ::= <<
```

```
_localctx = new <ctxName>Context(_localctx);
```

```
Context = _localctx;
```

```
_prevctx = _localctx;
```

```
>>
```

```

recRuleSetPrevCtx() ::= <<
if ( ParseListeners!=null )
    TriggerExitRuleEvent();
_prevctx = _localctx;
>>

```

```

LexerFile(file, lexer, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<namedActions.header>
using System;
using System.IO;
using System.Text;
using Antlr4.Runtime;
using Antlr4.Runtime.Atn;
using Antlr4.Runtime.Misc;
using DFA = Antlr4.Runtime.Dfa.DFA;

<lexer>
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

```

```

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public partial class <csIdentifier.(lexer.name)> : <superClass; null="Lexer"> {
protected static DFA[] decisionToDFA;
protected static PredictionContextCache sharedContextCache = new PredictionContextCache();
<if(lexer.tokens)>
public const int
<lexer.tokens:{k | <tokenType.(k)>=<lexer.tokens.(k)>}; separator=", ", wrap, anchor>;
<endif>
<if(lexer.channels)>
public const int
<lexer.channels:{k | <csIdentifier.(k)>=<lexer.channels.(k)>}; separator=", ", wrap, anchor>;
<endif>
<if(rest(lexer.modes))>
public const int
<rest(lexer.modes){m | <m>=<i>}; separator=", ", wrap, anchor>;
<endif>
public static string[] channelNames = {
"DEFAULT_TOKEN_CHANNEL", "HIDDEN"<if (lexer.channels)>, <lexer.channels:{c | "<c>"}; separator=", ",

```

```

wrap, anchor><endif>
};

public static string[] modeNames = {
<lexer.modes:{m| "<m>"}; separator=", ", wrap, anchor>
};

public static readonly string[] ruleNames = {
<lexer.ruleNames:{r| "<r>"}; separator=", ", wrap, anchor>
};

<namedActions.members>

public <csIdentifier.(lexer.name)>(ICharStream input)
: this(input, Console.Out, Console.Error) { }

public <csIdentifier.(lexer.name)>(ICharStream input, TextWriter output, TextWriter errorOutput)
: base(input, output, errorOutput)
{
Interpreter = new LexerATNSimulator(this, _ATN, decisionToDFA, sharedContextCache);
}

<vocabulary(lexer.literalNames, lexer.symbolicNames)>

public override string GrammarFileName { get { return "<lexer.grammarFileName>"; } }

public override string[] RuleNames { get { return ruleNames; } }

public override string[] ChannelNames { get { return channelNames; } }

public override string[] ModeNames { get { return modeNames; } }

public override string SerializedAtn { get { return new string(_serializedATN); } }

static <csIdentifier.(lexer.name)>() {
decisionToDFA = new DFA[_ATN.NumberOfDecisions];
for (int i = 0; i < _ATN.NumberOfDecisions; i++) {
decisionToDFA[i] = new DFA(_ATN.GetDecisionState(i), i);
}
}
<dumpActions(lexer, "", actionFuncs, sempredFuncs)>
<atn>
}
>>

SerializedATN(model) ::= <<
private static char[] _serializedATN = {

```

```

<model.serialized; separator=",", wrap>,
};

public static readonly ATN _ATN =
new ATNDeserializer().Deserialize(_serializedATN);

>>

initValue(typeName) ::= <<
default(<typeName>)
>>

codeFileExtension() ::= ".cs"

modeName ::= [
"DEFAULT_MODE" : "DefaultMode",
default : key
]

channelName ::= [
"HIDDEN" : "Hidden",
"DEFAULT_TOKEN_CHANNEL" : "DefaultTokenChannel",
default : key
]

tokenType ::= [
"EOF" : "Eof",
default : key
]

csIdentifier ::= [
"abstract" : "@abstract",
"as" : "@as",
"base" : "@base",
"bool" : "@bool",
"break" : "@break",
"byte" : "@byte",
"case" : "@case",
"catch" : "@catch",
"char" : "@char",
"checked" : "@checked",
"class" : "@class",
"const" : "@const",
"continue" : "@continue",
"decimal" : "@decimal",
"default" : "@default",
"delegate" : "@delegate",

```

"do" : "@do",
"double" : "@double",
"else" : "@else",
"enum" : "@enum",
"event" : "@event",
"explicit" : "@explicit",
"extern" : "@extern",
"false" : "@false",
"finally" : "@finally",
"fixed" : "@fixed",
"float" : "@float",
"for" : "@for",
"foreach" : "@foreach",
"goto" : "@goto",
"if" : "@if",
"implicit" : "@implicit",
"in" : "@in",
"int" : "@int",
"interface" : "@interface",
"internal" : "@internal",
"is" : "@is",
"lock" : "@lock",
"long" : "@long",
"namespace" : "@namespace",
"new" : "@new",
"null" : "@null",
"object" : "@object",
"operator" : "@operator",
"out" : "@out",
"override" : "@override",
"params" : "@params",
"private" : "@private",
"protected" : "@protected",
"public" : "@public",
"readonly" : "@readonly",
"ref" : "@ref",
"return" : "@return",
"sbyte" : "@sbyte",
"sealed" : "@sealed",
"short" : "@short",
"sizeof" : "@sizeof",
"stackalloc" : "@stackalloc",
"static" : "@static",
"string" : "@string",
"struct" : "@struct",
"switch" : "@switch",
"this" : "@this",
"throw" : "@throw",

```
"true" : "@true",
"try" : "@try",
"typeof" : "@typeof",
"uint" : "@uint",
"ulong" : "@ulong",
"unchecked" : "@unchecked",
"unsafe" : "@unsafe",
"ushort" : "@ushort",
"using" : "@using",
"virtual" : "@virtual",
"values" : "@values",
"void" : "@void",
"volatile" : "@volatile",
"while" : "@while",
default : key
]
```

Found in path(s):

```
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-
jar/org/antlr/v4/tool/templates/codegen/CSharp/CSharp.stg
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*/

```

```

/** ANTLR tool checks output templates are compatible with tool code generation.
* For now, a simple string match used on x.y of x.y.z scheme.
* Must match Tool.VERSION during load to templates.
*
* REQUIRED.
*/

```

```

javascriptTypeInitMap ::= [
  "bool":"false",
  "int":"0",
  "float":"0.0",
  "str": "",
  default:"{}" // anything other than a primitive type is an object
]

```

```

// args must be <object-model-object>, <fields-resulting-in-STs>

```

```

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
import antlr4 from 'antlr4';
<if(file.genListener)>
import <file.grammarName>Listener from './<file.grammarName>Listener.js';
<endif>
<if(file.genVisitor)>
import <file.grammarName>Visitor from './<file.grammarName>Visitor.js';
<endif>

<namedActions.header>
<parser>
>>

```

```

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
import antlr4 from 'antlr4';

```

```

// This class defines a complete listener for a parse tree produced by <file.parserName>.
export default class <file.grammarName>Listener extends antlr4.tree.ParseTreeListener {

```

```

<file.listenerNames>: { Iname |
// Enter a parse tree produced by <file.parserName>#<Iname>.
enter<Iname>; format="cap">(ctx) {
\}

```

```

// Exit a parse tree produced by <file.parserName>#<lname>.
exit<lname; format="cap">(ctx) {
  \}

}; separator="\n">

}
>>

```

```

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
import antlr4 from 'antlr4';

// This class defines a complete generic visitor for a parse tree produced by <file.parserName>.

export default class <file.grammarName>Visitor extends antlr4.tree.ParseTreeVisitor {

<file.visitorNames: {lname |
// Visit a parse tree produced by <file.parserName>#<lname>.
visit<lname; format="cap">(ctx) {
  return this.visitChildren(ctx);
  \}

}; separator="\n">

}
>>

```

```

fileHeader(grammarFileName, ANTLRVersion) ::= <<
// Generated from <grammarFileName; format="java-escape"> by ANTLR <ANTLRVersion>
// jshint ignore: start
>>

```

```

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<if(superClass)>
import <superClass> from './<superClass>.js';
<endif>

<atn>

const atn = new antlr4.atn.ATNDeserializer().deserialize(serializedATN);

const decisionsToDFA = atn.decisionToState.map( (ds, index) => new antlr4.dfa.DFA(ds, index) );

const sharedContextCache = new antlr4.PredictionContextCache();

```

```

export default class <parser.name> extends <superClass; null="antlr4.Parser"> {

    static grammarFileName = "<parser.grammarFileName; format="java-escape">";
    static literalNames = [ <parser.literalNames:{t | <t>}; null="null", separator=", ", wrap, anchor> ];
    static symbolicNames = [ <parser.symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor> ];
    static ruleNames = [ <parser.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor> ];

    constructor(input) {
        super(input);
        this._interp = new antlr4.atn.ParserATNSimulator(this, atn, decisionsToDFA, sharedContextCache);
        this.ruleNames = <parser.name>.ruleNames;
        this.literalNames = <parser.name>.literalNames;
        this.symbolicNames = <parser.name>.symbolicNames;
        <namedActions.members>
    }

    get atn() {
        return atn;
    }

    <if(sempredFuncs)>
    sempred(localctx, ruleIndex, predIndex) {
        switch(ruleIndex) {
            <parser.sempredFuncs.values:{f | case <f.ruleIndex>:
                return this.<f.name>_sempred(localctx, predIndex);}; separator="\n">
            default:
                throw "No predicate with index:" + ruleIndex;
        }
    }
    <sempredFuncs.values; separator="\n">
    <endif>

    <funcs; separator="\n">

}

<parser.name>.EOF = antlr4.Token.EOF;
<if(parser.tokens)>
<parser.tokens:{k | <parser.name>.<k> = <parser.tokens.(k)>}; separator="\n", wrap, anchor>
<endif>

<if(parser.rules)>
<parser.rules:{r | <parser.name>.RULE_<r.name> = <r.index>}; separator="\n", wrap, anchor>
<endif>

<funcs:{f | <ruleContexts(f)>}; separator="\n">

```

```

<! Define fields of this parser to export the context classes !>
<parser.funcs:{f | <parser.name>.<f.ctxType> = <f.ctxType>; }; separator="\n">

>>

ruleContexts(currentRule) ::= <<
<currentRule.ruleCtx>

<currentRule.altLabelCtxs:{l | <currentRule.altLabelCtxs.(l)>}; separator="\n">
>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
<lexer.name>.prototype.action = function(localctx, ruleIndex, actionIndex) {
  switch (ruleIndex) {
    <recog.actionFuncs.values:{f|
case <f.ruleIndex>:
  this.<f.name>_action(localctx, actionIndex);
  break;}; separator="\n">
  default:
    throw "No registered action for:" + ruleIndex;
  }
};

<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>
<lexer.name>.prototype.sempred = function(localctx, ruleIndex, predIndex) {
  switch (ruleIndex) {
    <recog.sempredFuncs.values:{f| case <f.ruleIndex>:
return this.<f.name>_sempred(localctx, predIndex);}; separator="\n">
  default:
    throw "No registered predicate for:" + ruleIndex;
  }
};

<sempredFuncs.values; separator="\n">
<endif>
>>

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleActionFunction(r, actions) ::= <<

<lexer.name>.prototype.<r.name>_action = function(localctx , actionIndex) {
  switch (actionIndex) {

```

```

<actions:{index|
case <index>:
<actions.(index)>
break;}; separator="\n">
default:
throw "No registered action for:" + actionIndex;
}
};
>>

```

```

/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/

```

```

RuleSempredFunction(r, actions) ::= <<
<if (r.factory.g.lexer)><lexer.name>.prototype.<r.name>_sempred =
function<else><r.name>_sempred<endif>(localctx, predIndex) {
switch(predIndex) {
<actions:{index| case <index>:
return <actions.(index)>;}; separator="\n">
default:
throw "No predicate with index:" + predIndex;
}
};
>>

```

```

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

```

```

<currentRule.name><(currentRule.args:{a | <a.name>}; separator=", ">) {
let localctx = new <currentRule.ctxType>(this, this._ctx, this.state<currentRule.args:{a | , <a.name>}>);
this.enterRule(localctx, <currentRule.startState>, <parser.name>.RULE_<currentRule.name>);
<namedActions.init>
<locals; separator="\n">
try {
<code>
<postamble; separator="\n">
<namedActions.after>
}<if(exceptions)>
<exceptions; separator="\n">
<else> catch (re) {
if(re instanceof antlr4.error.RecognitionException) {
localctx.exception = re;
this._errHandler.reportError(this, re);
this._errHandler.recover(this, re);
} else {
throw re;
}
}
}
}

```

```

    }
  }<endif> finally {
    <finallyAction>
    this.exitRule();
  }
  return localctx;
}

```

>>

```

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
  namedActions,finallyAction,postamble) ::=

```

<<

```

<currentRule.name>(_p<if(currentRule.args)>, <args:{ a | , <a>}><endif>) {
  if(_p===undefined) {
    _p = 0;
  }
  const _parentctx = this._ctx;
  const _parentState = this.state;
  let localctx = new <currentRule.ctxType>(this, this._ctx, _parentState<args:{ a | , <a.name>}>);
  let _prevctx = localctx;
  const _startState = <currentRule.startState>;
  this.enterRecursionRule(localctx, <currentRule.startState>, <parser.name>.RULE_<currentRule.name>, _p);
  <namedActions.init>
  <locals; separator="\n">
  try {
    <code>
    <postamble; separator="\n">
    <namedActions.after>
  } catch( error) {
    if(error instanceof antlr4.error.RecognitionException) {
      localctx.exception = error;
      this._errHandler.reportError(this, error);
      this._errHandler.recover(this, error);
    } else {
      throw error;
    }
  } finally {
    <finallyAction>
    this.unrollRecursionContexts(_parentctx)
  }
  return localctx;
}

```

>>

```

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<

```

```

<if(currentOuterMostAltCodeBlock.altLabel)>localctx = new <currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(this, localctx);<endif>
this.enterOuterAlt(localctx, <currentOuterMostAltCodeBlock.alt.altNum>);
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

```

```

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
>>

```

```

LL1AltBlock(choice, preamble, alts, error) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = this._input.LT(1);<endif>
<preamble; separator="\n">
switch(this._input.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  break;}; separator="\n">
default:
  <error>
}
>>

```

```

LL1OptionalBlock(choice, alts, error) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
switch (this._input.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  break;}; separator="\n">
default:
  break;
}
>>

```

```

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
<preamble; separator="\n">
if(<expr>) {
  <alts; separator="\n">
}
<!else if ( !(<followExpr> ) <error!>
>>

```

```

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
<preamble; separator="\n">
while(<loopExpr>) {
  <alts; separator="\n">
  this.state = <choice.loopBackStateNumber>;
  this._errHandler.sync(this);
  <iteration>
}
>>

```

```

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
this.state = <choice.blockStartStateNumber>; <! alt block decision !>
this._errHandler.sync(this);
<preamble; separator="\n">
do {
  <alts; separator="\n">
  this.state = <choice.stateNumber>; <! loopback/exit decision !>
  this._errHandler.sync(this);
  <iteration>
} while(<loopExpr>);
>>

```

```
// LL(*) stuff
```

```

AltBlock(choice, preamble, alts, error) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
var la_ = this._interp.adaptivePredict(this._input,<choice.decision>,this._ctx);
switch(la_) {
<alts:{alt |
case <i>:
  <alt>
  break;
}; separator="\n">
}
>>

```

```

OptionalBlock(choice, alts, error) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
var la_ = this._interp.adaptivePredict(this._input,<choice.decision>,this._ctx);
<alts:{alt |
if(la_===<i><if(!choice.ast.greedy)>+1<endif>) {
  <alt>

```



```

}; separator="\n} else ">
}
>>

```

```

StarBlock(choice, alts, sync, iteration) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
var _alt = this._interp.adaptivePredict(this._input,<choice.decision>,this._ctx)
while(_alt!=<choice.exitAlt> && _alt!=antlr4.atn.ATN.INVALID_ALT_NUMBER) {
  if(_alt===1<if(!choice.ast.greedy)>+1<endif>) {
    <iteration>
    <alts> <! should only be one !>
  }
  this.state = <choice.loopBackStateNumber>;
  this._errHandler.sync(this);
  _alt = this._interp.adaptivePredict(this._input,<choice.decision>,this._ctx);
}
>>

```

```

PlusBlock(choice, alts, error) ::= <<
this.state = <choice.blockStartStateNumber>; <! alt block decision !>
this._errHandler.sync(this);
var _alt = 1<if(!choice.ast.greedy)>+1<endif>;
do {
  switch (_alt) {
    <alts:{alt|
case <i><if(!choice.ast.greedy)>+1<endif>:
    <alt>
    break;}; separator="\n">
    default:
    <error>
  }
  this.state = <choice.loopBackStateNumber>; <! loopback/exit decision !>
  this._errHandler.sync(this);
  _alt = this._interp.adaptivePredict(this._input,<choice.decision>, this._ctx);
} while ( _alt!=<choice.exitAlt> && _alt!=antlr4.atn.ATN.INVALID_ALT_NUMBER );
>>

```

```

Sync(s) ::= "sync(<s.expecting.name>)"

```

```

ThrowNoViableAlt(t) ::= "throw new antlr4.error.NoViableAltException(this);"

```

```

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">
>>

```

```

// Javascript language spec - shift operators are 32 bits long max
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x1f) == 0
>>

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShiftVar(s.varName, bits.shift)>})> && ((1 \<< <offsetShiftVar(s.varName,
bits.shift)>) & (<bits.ttypes:{ttype | (1 \<< <offsetShiftType(ttype, bits.shift)>)}; separator=" | ">)) != 0)
%>

isZero ::= [
"0":true,
default:false
]

offsetShiftVar(shiftAmount, offset) ::= <%
<if(!isZero.(offset))><shiftAmount> - <offset><else><shiftAmount><endif>
%>

offsetShiftType(shiftAmount, offset) ::= <%
<if(!isZero.(offset))><parser.name>.<shiftAmount> - <offset><else><parser.name>.<shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ttype | <s.varName>===<parser.name>.<ttype>}; separator=" || ">
%>

cases(ttypes) ::= <<
<ttypes:{t | case <parser.name>.<t>:}; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::= <<
this.state = <r.stateNumber>;
<if(r.labels)><r.labels:{1 | <labelref(l)> =
}><endif>this.<r.name><(if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprsChu
nks>);
>>

MatchToken(m) ::= <<
this.state = <m.stateNumber>;
<if(m.labels)><m.labels:{1 | <labelref(l)> = }><endif>this.match(<parser.name>.<m.name>);
>>

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

```

```

CommonSetStuff(m, expr, capture, invert) ::= <<
this.state = <m.stateNumber>;
<if(m.labels)><m.labels:{1 | <labelref(l)> = }>this._input.LT(1);<endif>
<capture>
<if(invert)>if(<m.varName>\<=0 || <expr><else>if(!(<expr>))<endif> {
  <if(m.labels)><m.labels:{1 | <labelref(l)> = }><endif>this._errHandler.recoverInline(this);
}
else {
  this._errHandler.reportMatch(this);
  this.consume();
}
>>

```

```

Wildcard(w) ::= <<
this.state = <w.stateNumber>;
<if(w.labels)><w.labels:{1 | <labelref(l)> = }><endif>this.matchWildcard();
>>

```

// ACTION STUFF

```
Action(a, foo, chunks) ::= "<chunks>"
```

```
ArgAction(a, chunks) ::= "<chunks>"
```

```

SemPred(p, chunks, failChunks) ::= <<
this.state = <p.stateNumber>;
if (!( <chunks>)) {
  throw new antlr4.error.FailedPredicateException(this, <p.predicate><if(failChunks)>,
<failChunks><elseif(p.msg)>, <p.msg><endif>);
}
>>

```

```

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
  <catchAction>
}
>>

```

// lexer actions are not associated with model objects

```

LexerSkipCommand() ::= "this.skip()"
LexerMoreCommand() ::= "this.more()"
LexerPopModeCommand() ::= "this.popMode()"
LexerTypeCommand(arg, grammar) ::= "this._type = <arg>"
LexerChannelCommand(arg, grammar) ::= "this._channel = <arg>"
LexerModeCommand(arg, grammar) ::= "this._mode = <arg>"
LexerPushModeCommand(arg, grammar) ::= "this.pushMode(<arg>)"

```

```

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "localctx.<a.name>"
LocalRef(a) ::= "localctx.<a.name>"
RetValRef(a) ::= "localctx.<a.name>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.name>"
LabelRef(t) ::= "<ctx(t)>.<t.name>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>"

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "(<ctx(t)>.<t.label>====null ? null : <ctx(t)>.<t.label>.text)"
TokenPropertyRef_type(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : <ctx(t)>.<t.label>.type)"
TokenPropertyRef_line(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : <ctx(t)>.<t.label>.line)"
TokenPropertyRef_pos(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : <ctx(t)>.<t.label>.column)"
TokenPropertyRef_channel(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : <ctx(t)>.<t.label>.channel)"
TokenPropertyRef_index(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : <ctx(t)>.<t.label>.tokenIndex)"
TokenPropertyRef_int(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : parseInt(<ctx(t)>.<t.label>.text))"

RulePropertyRef_start(r) ::= "(<ctx(r)>.<r.label>====null ? null : <ctx(r)>.<r.label>.start)"
RulePropertyRef_stop(r) ::= "(<ctx(r)>.<r.label>====null ? null : <ctx(r)>.<r.label>.stop)"
RulePropertyRef_text(r) ::= "(<ctx(r)>.<r.label>====null ? null : this._input.getText(new antlr4.Interval(<ctx(r)>.<r.label>.start,<ctx(r)>.<r.label>.stop)))"
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "this"

ThisRulePropertyRef_start(r) ::= "localctx.start"
ThisRulePropertyRef_stop(r) ::= "localctx.stop"
ThisRulePropertyRef_text(r) ::= "this._input.getText(new antlr4.Interval(localctx.start, this._input.LT(-1)))"
ThisRulePropertyRef_ctx(r) ::= "localctx"
ThisRulePropertyRef_parser(r) ::= "this"

NonLocalAttrRef(s) ::= "this.getInvokingContext(<s.ruleIndex>).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::= "this.getInvokingContext(<s.ruleIndex>).<s.name> = <rhsChunks>"

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.push(<labelref(a.label)>);"

TokenDecl(t) ::= "this.<t.name> = null; // <TokenLabelType>"
TokenTypeDecl(t) ::= "var <t.name> = 0; // <TokenLabelType> type"
TokenListDecl(t) ::= "this.<t.name> = []; // of <TokenLabelType>s"
RuleContextDecl(r) ::= "this.<r.name> = null; // <r.ctxName>"
RuleContextListDecl(rdecl) ::= "this.<rdecl.name> = []; // of <rdecl.ctxName>s"

```

```

ContextTokenGetterDecl(t) ::= <<
<t.name>() {
  return this.getToken(<parser.name>.<t.name>, 0);
};
>>

// should never be called
ContextTokenListGetterDecl(t) ::= <<
<t.name>_list() {
  return this.getTokens(<parser.name>.<t.name>);
}
>>

ContextTokenListIndexedGetterDecl(t) ::= <<
<t.name> = function(i) {
  if(i===undefined) {
    i = null;
  }
  if(i===null) {
    return this.getTokens(<parser.name>.<t.name>);
  } else {
    return this.getToken(<parser.name>.<t.name>, i);
  }
};
>>

ContextRuleGetterDecl(r) ::= <<
<r.name>() {
  return this.getTypedRuleContext(<r.ctxName>,0);
};
>>

// should never be called
ContextRuleListGetterDecl(r) ::= <<
<r.name>_list() {
  return this.getTypedRuleContexts(<parser.name>.<r.ctxName>);
}
>>

ContextRuleListIndexedGetterDecl(r) ::= <<
<r.name> = function(i) {
  if(i===undefined) {
    i = null;
  }
  if(i===null) {
    return this.getTypedRuleContexts(<r.ctxName>);
  } else {

```

```

    return this.getTypedRuleContext(<r.ctxName>,i);
  }
};
>>

```

```

LexerRuleContext() ::= "RuleContext"

```

```

/** The rule context name is the rule followed by a suffix; e.g.,
 * r becomes rContext.
 */

```

```

RuleContextNameSuffix() ::= "Context"

```

```

ImplicitTokenLabel(tokenName) ::= "_<tokenName>"

```

```

ImplicitRuleLabel(ruleName) ::= "_<ruleName>"

```

```

ImplicitSetLabel(id) ::= "_tset<id>"

```

```

ListLabelName(label) ::= "<label>"

```

```

CaptureNextToken(d) ::= "<d.varName> = self._input.LT(1)"

```

```

CaptureNextTokenType(d) ::= "<d.varName> = this._input.LA(1);"

```

```

StructDecl(struct,ctorAttrs,attrs,getters,dispatchMethods,interfaces,extensionMembers) ::= <<

```

```

class <struct.name> extends <if(contextSuperClass)><contextSuperClass><else>antlr4.ParserRuleContext<endif> {

```

```

  constructor(parser, parent, invokingState<struct.ctorAttrs:{ a | , <a.name>}>) {

```

```

    if(parent===undefined) {

```

```

      parent = null;

```

```

    }

```

```

    if(invokingState===undefined || invokingState===null) {

```

```

      invokingState = -1;

```

```

    }

```

```

    super(parent, invokingState);

```

```

    this.parser = parser;

```

```

    this.ruleIndex = <parser.name>.RULE_<struct.derivedFromName>;

```

```

    <attrs:{ a | <a>}; separator="\n">

```

```

    <struct.ctorAttrs:{ a | this.<a.name> = <a.name> || null;}; separator="\n">

```

```

  }

```

```

  <getters:{ g | <g>}; separator="\n\n">

```

```

  <if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>

```

```

  copyFrom(ctx) {

```

```

    super.copyFrom(ctx);

```

```

    <struct.attrs:{ a | this.<a.name> = ctx.<a.name>;}; separator="\n">

```

```

  }

```

```

  <endif>

```

```

  <dispatchMethods; separator="\n">

```

```

  <extensionMembers; separator="\n">

```

```
}
```

```
>>
```

```
AltLabelStructDecl(struct,attrs, getters,dispatchMethods) ::= <<  
class <struct.name> extends <struct.parentRule; format="cap">Context {
```

```
    constructor(parser, ctx) {  
        super(parser);  
        <attrs:{ a | <a>;}; separator="\n">  
        super.copyFrom(ctx);  
    }
```

```
    <getters:{ g | <g>;}; separator="\n\n">
```

```
    <dispatchMethods; separator="\n">
```

```
}
```

```
<! Define fields of this parser to export this struct/context class !>
```

```
<parser.name>.<struct.name> = <struct.name>;
```

```
>>
```

```
ListenerDispatchMethod(method) ::= <<
```

```
<if(method.isEnter)>enter<else>exit<endif>Rule(listener) {  
    if(listener instanceof <parser.grammarName>Listener ) {  
        listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">(this);  
    }  
}
```

```
>>
```

```
VisitorDispatchMethod(method) ::= <<
```

```
accept(visitor) {  
    if ( visitor instanceof <parser.grammarName>Visitor ) {  
        return visitor.visit<struct.derivedFromName; format="cap">(this);  
    } else {  
        return visitor.visitChildren(this);  
    }  
}
```

```
>>
```

```
AttributeDecl(d) ::= "this.<d.name> = <if(d.initValue)><d.initValue><else>null<endif>"
```

```
/** If we don't know location of label def x, use this template */
```

```
labelref(x) ::= "<if(!x.isLocal)>localctx.<endif><x.name>"
```

```

/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "localctx"

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "this.precpred(this._ctx, <opPrec>)"
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>"
recRuleSetStopToken() ::= "this._ctx.stop = this._input.LT(-1);"

recRuleAltStartAction(ruleName, ctxName, label) ::= <<
localctx = new <ctxName>Context(this, _parentctx, _parentState);
<if(label)>localctx.<label> = _prevctx;<endif>
this.pushNewRecursionContext(localctx, _startState, <parser.name>.RULE_<ruleName>);
>>

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
localctx = new <currentAltLabel; format="cap">Context(this, new <ruleName; format="cap">Context(this,
_parentctx, _parentState));
<if(label)>
<if(isListLabel)>
localctx.<label>.push(_prevctx);
<else>
localctx.<label> = _prevctx;
<endif>
<endif>
this.pushNewRecursionContext(localctx, _startState, <parser.name>.RULE_<ruleName>);
>>

recRuleReplaceContext(ctxName) ::= <<
localctx = new <ctxName>Context(this, localctx);
this._ctx = localctx;
_prevctx = localctx;
>>

recRuleSetPrevCtx() ::= <<
if(this._parseListeners!==null) {
    this.triggerExitRuleEvent();
}
_prevctx = localctx;
>>

LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
import antlr4 from 'antlr4';

<namedActions.header>

```



```

<lexer>

>>

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
<if(superClass)>
import <superClass> from './<superClass>.js';
<endif>

<atn>

const atn = new antlr4.atn.ATNDeserializer().deserialize(serializedATN);

const decisionsToDFA = atn.decisionToState.map( (ds, index) => new antlr4.dfa.DFA(ds, index) );

export default class <lexer.name> extends <if(superClass)><superClass><else>antlr4.Lexer<endif> {

    static grammarFileName = "<lexer.grammarFileName>";
    static channelNames = [ "DEFAULT_TOKEN_CHANNEL", "HIDDEN"<if (lexer.channels)>,
<lexer.channels: {c| "<c>"}; separator=", ", wrap, anchor><endif> ];
    static modeNames = [ <lexer.modes: {m| "<m>"}; separator=", ", wrap, anchor > ];
    static literalNames = [ <lexer.literalNames: {t| <t>}; null="null", separator=", ", wrap, anchor > ];
    static symbolicNames = [ <lexer.symbolicNames: {t| <t>}; null="null", separator=", ", wrap, anchor > ];
    static ruleNames = [ <lexer.ruleNames: {r| "<r>"}; separator=", ", wrap, anchor > ];

    constructor(input) {
        super(input)
        this._interp = new antlr4.atn.LexerATNSimulator(this, atn, decisionsToDFA, new
antlr4.PredictionContextCache());
        <namedActions.members>
    }

    get atn() {
        return atn;
    }
}

<lexer.name>.EOF = antlr4.Token.EOF;
<if(lexer.tokens)>
<lexer.tokens: {k| <lexer.name>.<k> = <lexer.tokens.(k)>;}; separator="\n", wrap, anchor>
<endif>

<if(lexer.channels)>
<lexer.channels: {c| <lexer.name>.<c> = <lexer.channels.(c)>;}; separator="\n">

<endif>
<if(rest(lexer.modes))>
<rest(lexer.modes): {m| <lexer.name>.<m> = <i>;}; separator="\n">

```

```

<endif>

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>

>>

SerializedATN(model) ::= <<
<! only one segment, can be inlined !>

const serializedATN = ["<model.serialized; wrap={",<n>  "}>"].join("");

>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
<javascriptTypeInitMap.(typeName)>
>>

codeFileExtension() ::= ".js"

```

Found in path(s):

```

* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-
jar/org/antlr/v4/tool/templates/codegen/JavaScript/JavaScript.stg
No license file was found, but licenses were detected in source scan.

```

```

/*
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```

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*/

/*

This file contains the actual layout of the messages emitted by ANTLR.

The text itself is coming out of the languages/*stg files, according to the chosen locale.

This file contains the default format ANTLR uses.

*/

location(file, line, column) ::= "<file>(<line>,<column>)"

message(id, text) ::= "error <id> : <text>"

report(location, message, type) ::= "<location> : <type> <message.id> : <message.text>"

wantsSingleLineMessage() ::= "true"

Found in path(s):

* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-jar/org/antlr/v4/tool/templates/messages/formats/vs2005.stg

No license file was found, but licenses were detected in source scan.

/*

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```

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* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/

```

```

/** ANTLR tool checks output templates are compatible with tool code generation.

```

```

* For now, a simple string match used on x.y of x.y.z scheme.

```

```

* Must match Tool.VERSION during load to templates.

```

```

*

```

```

* REQUIRED.

```

```

*/

```

```

pythonTypeInitMap ::= [
  "bool":"False",
  "int":"0",
  "float":"0.0",
  "str": "",
  default:"None" // anything other than a primitive type is an object
]

```

```

// args must be <object-model-object>, <fields-resulting-in-STs>

```

```

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<

```

```

<fileHeader(file.grammarFileName, file.ANTLRVersion)>

```

```

# encoding: utf-8

```

```

from antlr4 import *

```

```

from io import StringIO

```

```

import sys

```

```

if sys.version_info[1] > 5:

```

```

    from typing import TextIO

```

```

else:

```

```

    from typing.io import TextIO

```

```

<namedActions.header>

```

```

<parser>

```

```

>>

```

```

ListenerFile(file, header, namedActions) ::= <<

```

```

<fileHeader(file.grammarFileName, file.ANTLRVersion)>

```

```

from antlr4 import *

```

```

if __name__ is not None and "." in __name__:

```

```

    from <file.parserName> import <file.parserName>

```

```

else:
    from <file.parserName> import <file.parserName>
<header>

# This class defines a complete listener for a parse tree produced by <file.parserName>.
class <file.grammarName>Listener(ParseTreeListener):

    <file.listenerNames:{lname |
# Enter a parse tree produced by <file.parserName>#<lname>.
def enter<lname; format="cap">(self, ctx:<file.parserName>.<lname; format="cap">Context):
    pass

# Exit a parse tree produced by <file.parserName>#<lname>.
def exit<lname; format="cap">(self, ctx:<file.parserName>.<lname; format="cap">Context):
    pass

}; separator="\n">

del <file.parserName>
>>

```

```

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
from antlr4 import *
if __name__ is not None and "." in __name__:
    from .<file.parserName> import <file.parserName>
else:
    from <file.parserName> import <file.parserName>
<header>

# This class defines a complete generic visitor for a parse tree produced by <file.parserName>.

class <file.grammarName>Visitor(ParseTreeVisitor):

    <file.visitorNames:{lname |
# Visit a parse tree produced by <file.parserName>#<lname>.
def visit<lname; format="cap">(self, ctx:<file.parserName>.<lname; format="cap">Context):
    return self.visitChildren(ctx)

}; separator="\n">

del <file.parserName>
>>

```

```

fileHeader(grammarFileName, ANTLRVersion) ::= <<
# Generated from <grammarFileName> by ANTLR <ANTLRVersion>

```

>>

```
Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<  
<Parser_(ctor="parser_ctor", ...)>  
>>
```

```
Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<  
<if(superClass)>  
if __name__ is not None and "." in __name__:  
    from .<superClass> import <superClass>  
else:  
    from <superClass> import <superClass>  
  
<endif>  
<atn>
```

```
class <parser.name> ( <if(superClass)><superClass><else>Parser<endif> ):
```

```
    grammarFileName = "<parser.grammarFileName>"
```

```
    atn = ATNDeserializer().deserialize(serializedATN())
```

```
    decisionsToDFA = [ DFA(ds, i) for i, ds in enumerate(atn.decisionToState) ]
```

```
    sharedContextCache = PredictionContextCache()
```

```
    literalNames = [ <parser.literalNames:{t | <t>}; null="\\"<INVALID>\\"", separator=", ", wrap, anchor ]
```

```
    symbolicNames = [ <parser.symbolicNames:{t | <t>}; null="\\"<INVALID>\\"", separator=", ", wrap, anchor ]
```

```
    <if(parser.rules)>
```

```
    <parser.rules:{r | RULE_<r.name> = <r.index>}; separator="\n", wrap, anchor>
```

```
    <endif>
```

```
    ruleNames = [ <parser.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor ]
```

```
    EOF = <TokenLabelType().EOF
```

```
    <if(parser.tokens)>
```

```
    <parser.tokens:{k | <k>=<parser.tokens.(k)>}; separator="\n", wrap, anchor>
```

```
    <endif>
```

```
    <parser:(ctor)()>
```

```
    <namedActions.members>
```

```
    <funcs; separator="\n">
```

```

<if(sempredFuncs)>
  def sempred(self, localctx:RuleContext, ruleIndex:int, predIndex:int):
    if self._predicates == None:
      self._predicates = dict()
<parser.sempredFuncs.values:{ f |
  self._predicates[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n    ">
  pred = self._predicates.get(ruleIndex, None)
  if pred is None:
    raise Exception("No predicate with index:" + str(ruleIndex))
  else:
    return pred(localctx, predIndex)

  <sempredFuncs.values; separator="\n">
<endif>

```

```
>>
```

```

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
def action(self, localctx:RuleContext, ruleIndex:int, actionIndex:int):
  if self._actions is None:
    actions = dict()
<recog.actionFuncs.values:{ f |
  actions[<f.ruleIndex>] = self.<f.name>_action }; separator="\n">
  self._actions = actions
  action = self._actions.get(ruleIndex, None)
  if action is not None:
    action(localctx, actionIndex)
  else:
    raise Exception("No registered action for:" + str(ruleIndex))

  <actionFuncs.values; separator="\n">

<endif>

```

```

<if(sempredFuncs)>
def sempred(self, localctx:RuleContext, ruleIndex:int, predIndex:int):
  if self._predicates is None:
    preds = dict()
<recog.sempredFuncs.values:{ f |
  preds[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n">
  self._predicates = preds
  pred = self._predicates.get(ruleIndex, None)
  if pred is not None:
    return pred(localctx, predIndex)
  else:
    raise Exception("No registered predicate for:" + str(ruleIndex))

```

```

<sempredFuncs.values; separator="\n">
<endif>
>>

parser_ctor(p) ::= <<
def __init__(self, input:TokenStream, output:TextIO = sys.stdout):
    super().__init__(input, output)
    self.checkVersion("<file.ANTLRVersion>")
    self._interp = ParserATNSimulator(self, self.atn, self.decisionsToDFA, self.sharedContextCache)
    self._predicates = None

>>

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleActionFunction(r, actions) ::= <<

def <r.name>_action(self, localctx:<r.ctxType> , actionIndex:int):
<actions:{index|
<if(first(actions))>
    if actionIndex == <index>:
        <actions.(index)>
<elseif(rest(actions))>
    elif actionIndex == <index>:
        <actions.(index)>
<endif> }; separator="\n">
>>

/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleSempredFunction(r, actions) ::= <<
def <r.name>_sempred(self, localctx:<r.ctxType>, predIndex:int):
    <actions:{index|
<if(first(actions))>
    if predIndex == <index>:
        return <actions.(index)>
<elseif(rest(actions))>
    elif predIndex == <index>:
        return <actions.(index)>
<endif> }; separator="\n">
>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

```



```

<ruleCtx>

<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

def <currentRule.name>(self<currentRule.args:{a | , <a.name><if(a.type)><a.type><endif>}>):

    localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, self.state<currentRule.args:{a | , <a.name>}>)
    self.enterRule(localctx, <currentRule.startState>, self.RULE_<currentRule.name>)
    <namedActions.init>
    <locals; separator="\n">
    try:
        <code>
        <postamble; separator="\n">
        <namedActions.after>
    <if(exceptions)>
    <exceptions; separator="\n">
    <else>
    except RecognitionException as re:
        localctx.exception = re
        self._errHandler.reportError(self, re)
        self._errHandler.recover(self, re)
    <endif>
    finally:
        <finallyAction>
        self.exitRule()
    return localctx

>>

```

```

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
    namedActions,finallyAction,postamble) ::=
<<

```

```

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

def <currentRule.name>(self, _p:int=0<if(currentRule.args)>, <args:{a | , <a>}><endif>):
    _parentctx = self._ctx
    _parentState = self.state
    localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, _parentState<args:{a | , <a.name>}>)
    _prevctx = localctx
    _startState = <currentRule.startState>
    self.enterRecursionRule(localctx, <currentRule.startState>, self.RULE_<currentRule.name>, _p)
    <namedActions.init>
    <locals; separator="\n">
    try:
        <code>

```

```

    <postamble; separator="\n">
    <namedActions.after>
except RecognitionException as re:
    localctx.exception = re
    self._errHandler.reportError(self, re)
    self._errHandler.recover(self, re)
finally:
    <finallyAction>
    self.unrollRecursionContexts(_parentctx)
return localctx

>>

```

```

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>localctx = <parser.name>.<currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(self, localctx)<endif>
self.enterOuterAlt(localctx, <currentOuterMostAltCodeBlock.alt.altNum>)
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

```

```

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
>>

```

```

LL1AltBlock(choice, preamble, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
token = self._input.LA(1)
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
    <alt>
    pass}; separator="\n1">
else:
    <error>

>>

```

```

LL1OptionalBlock(choice, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
token = self._input.LA(1)
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
    <alt>
    pass}; separator="\n1">
else:

```

```

    pass
>>

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<preamble; separator="\n">
if <expr>:
    <alts; separator="\n">

<!else if ( !(<followExpr> ) <error>!>
>>

```

```

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<preamble; separator="\n">
while <loopExpr>:
    <alts; separator="\n">
    self.state = <choice.loopBackStateNumber>
    self._errHandler.sync(self)
    <iteration>

>>

```

```

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
self.state = <choice.blockStartStateNumber> <! alt block decision !>
self._errHandler.sync(self)
<preamble; separator="\n">
while True:
    <alts; separator="\n">
    self.state = <choice.stateNumber> <! loopback/exit decision !>
    self._errHandler.sync(self)
    <iteration>
    if not (<loopExpr>):
        break

>>

```

```
// LL(*) stuff
```

```

AltBlock(choice, preamble, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)

```

```

<alts:{ alt |
if la_ == <i>:
  <alt>
  pass
}; separator="\nel">

```

```
>>
```

```

OptionalBlock(choice, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
<alts:{ alt |
if la_ == <i><if(!choice.ast.greedy)>+1<endif>:
  <alt>
}; separator="\nel">

```

```
>>
```

```

StarBlock(choice, alts, sync, iteration) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
_alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
while _alt!=<choice.exitAlt> and _alt!=ATN.INVALID_ALT_NUMBER:
  if _alt==1<if(!choice.ast.greedy)>+1<endif>:
    <iteration>
    <alts> <! should only be one !>
  self.state = <choice.loopBackStateNumber>
  self._errHandler.sync(self)
  _alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)

```

```
>>
```

```

PlusBlock(choice, alts, error) ::= <<
self.state = <choice.blockStartStateNumber> <! alt block decision !>
self._errHandler.sync(self)
_alt = 1<if(!choice.ast.greedy)>+1<endif>
while _alt!=<choice.exitAlt> and _alt!=ATN.INVALID_ALT_NUMBER:
  <alts:{ alt|
if _alt == <i><if(!choice.ast.greedy)>+1<endif>:
  <alt>
}; separator="\nel">
  else:
    <error>
  self.state = <choice.loopBackStateNumber> <! loopback/exit decision !>
  self._errHandler.sync(self)
  _alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)

```

>>

Sync(s) ::= "sync(<s.expecting.name>)"

ThrowNoViableAlt(t) ::= "raise NoViableAltException(self)"

TestSetInline(s) ::= <<

<s.bitsets:{ bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s, bits)><endif>} ; separator=" or ">

>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test

testShiftInRange(shiftAmount) ::= <<

((<shiftAmount>) & ~0x3f) == 0

>>

// produces smaller bytecode only when bits.ttypes contains more than two items

bitsetBitfieldComparison(s, bits) ::= <%

(<testShiftInRange({ <offsetShiftVar(s.varName, bits.shift)> })> and ((1 <|< <offsetShiftVar(s.varName, bits.shift)>) & (<bits.ttypes:{ ttype | (1 <|< <offsetShiftType(ttype, bits.shift)>)} ; separator=" | ">) != 0) %>

isZero ::= [

"0":true,

default:false

]

offsetShiftVar(shiftAmount, offset) ::= <%

<if(!isZero.(offset))><shiftAmount> - <offset><else><shiftAmount><endif>

%>

offsetShiftType(shiftAmount, offset) ::= <%

<if(!isZero.(offset))><parser.name>.<shiftAmount> - <offset><else><parser.name>.<shiftAmount><endif>

%>

// produces more efficient bytecode when bits.ttypes contains at most two items

bitsetInlineComparison(s, bits) ::= <%

<bits.ttypes:{ ttype | <s.varName>==<parser.name>.<ttype>} ; separator=" or ">

%>

cases(ttypes) ::= <<

if token in [<ttypes:{ t | <parser.name>.<t>} ; separator=", ">]:

>>

InvokeRule(r, argExprsChunks) ::= <<

self.state = <r.stateNumber>

<if(r.labels)><r.labels:{ l | <labelref(l)> =

}><endif>self.<r.name>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)><endif><endif><argExprsChu

```

nks>)
>>

MatchToken(m) ::= <<
self.state = <m.stateNumber>
<if(m.labels)><m.labels:{1 | <labelref(l)> = }><endif>self.match(<parser.name>.<m.name>)
>>

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
self.state = <m.stateNumber>
<if(m.labels)><m.labels:{1 | <labelref(l)> = }>self._input.LT(1)<endif>
<capture>
<if(invert)>if <m.varName> \<= 0 or <expr><else>if not(<expr>)<endif>:
<if(m.labels)><m.labels:{1 | <labelref(l)> = }><else> <endif>self._errHandler.recoverInline(self)
else:
    self._errHandler.reportMatch(self)
    self.consume()
>>

Wildcard(w) ::= <<
self.state = <w.stateNumber>
<if(w.labels)><w.labels:{1 | <labelref(l)> = }><endif>self.matchWildcard()
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
self.state = <p.stateNumber>
if not <chunks>:
    from antlr4.error.Errors import FailedPredicateException
    raise FailedPredicateException(self, <p.predicate><if(failChunks)>, <failChunks><elseif(p.msg)>,
<p.msg><endif>)
>>

ExceptionClause(e, catchArg, catchAction) ::= <<
except <catchArg>:
    <catchAction>
>>

// lexer actions are not associated with model objects

```

```

LexerSkipCommand() ::= "skip()"
LexerMoreCommand() ::= "more()"
LexerPopModeCommand() ::= "popMode()"

LexerTypeCommand(arg, grammar) ::= "_type = <arg>"
LexerChannelCommand(arg, grammar) ::= "_channel = <arg>"
LexerModeCommand(arg, grammar) ::= "_mode = <arg>"
LexerPushModeCommand(arg, grammar) ::= "pushMode(<arg>)"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "localctx.<a.name>"
LocalRef(a) ::= "localctx.<a.name>"
RetValRef(a) ::= "localctx.<a.name>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.name>"
LabelRef(t) ::= "<ctx(t)>.<t.name>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>"

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "(None if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.text)"
TokenPropertyRef_type(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.type)"
TokenPropertyRef_line(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.line)"
TokenPropertyRef_pos(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.column)"
TokenPropertyRef_channel(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.channel)"
TokenPropertyRef_index(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.tokenIndex)"
TokenPropertyRef_int(t) ::= "(0 if <ctx(t)>.<t.label> is None else int(<ctx(t)>.<t.label>.text))"

RulePropertyRef_start(r) ::= "(None if <ctx(r)>.<r.label> is None else <ctx(r)>.<r.label>.start)"
RulePropertyRef_stop(r) ::= "(None if <ctx(r)>.<r.label> is None else <ctx(r)>.<r.label>.stop)"
RulePropertyRef_text(r) ::= "(None if <ctx(r)>.<r.label> is None else
self._input.getText(<ctx(r)>.<r.label>.start,<ctx(r)>.<r.label>.stop))"
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "self"

ThisRulePropertyRef_start(r) ::= "localctx.start"
ThisRulePropertyRef_stop(r) ::= "localctx.stop"
ThisRulePropertyRef_text(r) ::= "self._input.getText(localctx.start, self._input.LT(-1))"
ThisRulePropertyRef_ctx(r) ::= "localctx"
ThisRulePropertyRef_parser(r) ::= "self"

NonLocalAttrRef(s) ::= "self.getInvokingContext(<s.ruleIndex>).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::= "self.getInvokingContext(<s.ruleIndex>).<s.name> = <rhsChunks>"

```

```
AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.append(<labelref(a.label)>)"
```

```
TokenDecl(t) ::= "self.<t.name> = None # <TokenLabelType()>"
```

```
TokenTypeDecl(t) ::= "self.<t.name> = 0 # <TokenLabelType()> type"
```

```
TokenListDecl(t) ::= "self.<t.name> = list() # of <TokenLabelType()>s"
```

```
RuleContextDecl(r) ::= "self.<r.name> = None # <r.ctxName>"
```

```
RuleContextListDecl(rdecl) ::= "self.<rdecl.name> = list() # of <rdecl.ctxName>s"
```

```
ContextTokenGetterDecl(t) ::= <<
```

```
def <t.name>(self):
```

```
    return self.getToken(<parser.name>.<t.name>, 0)
```

```
>>
```

```
// should never be called
```

```
ContextTokenListGetterDecl(t) ::= <<
```

```
def <t.name>_list(self):
```

```
    return self.getTokens(<parser.name>.<t.name>)
```

```
>>
```

```
ContextTokenListIndexedGetterDecl(t) ::= <<
```

```
def <t.name>(self, i:int=None):
```

```
    if i is None:
```

```
        return self.getTokens(<parser.name>.<t.name>)
```

```
    else:
```

```
        return self.getToken(<parser.name>.<t.name>, i)
```

```
>>
```

```
ContextRuleGetterDecl(r) ::= <<
```

```
def <r.name>(self):
```

```
    return self.getTypedRuleContext(<parser.name>.<r.ctxName>,0)
```

```
>>
```

```
// should never be called
```

```
ContextRuleListGetterDecl(r) ::= <<
```

```
def <r.name>_list(self):
```

```
    return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)
```

```
>>
```

```
ContextRuleListIndexedGetterDecl(r) ::= <<
```

```
def <r.name>(self, i:int=None):
```

```
    if i is None:
```

```
        return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)
```

```
    else:
```

```
        return self.getTypedRuleContext(<parser.name>.<r.ctxName>,i)
```


>>

```
LexerRuleContext() ::= "RuleContext"
```

```
/** The rule context name is the rule followed by a suffix; e.g.,  
 * r becomes rContext.  
 */
```

```
RuleContextNameSuffix() ::= "Context"
```

```
ImplicitTokenLabel(tokenName) ::= "_<tokenName>"
```

```
ImplicitRuleLabel(ruleName) ::= "_<ruleName>"
```

```
ImplicitSetLabel(id) ::= "_tset<id>"
```

```
ListLabelName(label) ::= "<label>"
```

```
CaptureNextToken(d) ::= "<d.varName> = self._input.LT(1)"
```

```
CaptureNextTokenType(d) ::= "<d.varName> = self._input.LA(1)"
```

```
StructDecl(struct,ctorAttrs,attrs, getters,dispatchMethods,interfaces,extensionMembers) ::= <<  
class <struct.name>(<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif>):  
  __slots__ = 'parser'
```

```
  def __init__(self, parser, parent:ParserRuleContext=None, invokingState:int=-1<struct.ctorAttrs:{ a | ,  
<a.name><if(a.type)>:<a.type><endif>=None }>):
```

```
    super().__init__(parent, invokingState)
```

```
    self.parser = parser
```

```
    <attrs:{ a | <a> }; separator="\n">
```

```
    <struct.ctorAttrs:{ a | self.<a.name> = <a.name> }; separator="\n">
```

```
    <getters:{ g | <g> }; separator="\n\n">
```

```
    def getRuleIndex(self):
```

```
        return <parser.name>.RULE_<struct.derivedFromName>
```

```
<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
```

```
    def copyFrom(self, ctx:ParserRuleContext):
```

```
        super().copyFrom(ctx)
```

```
        <struct.attrs:{ a | self.<a.name> = ctx.<a.name> }; separator="\n">
```

```
<endif>
```

```
    <dispatchMethods; separator="\n">
```

```
    <extensionMembers; separator="\n">
```

>>

```
AltLabelStructDecl(struct,attrs, getters,dispatchMethods) ::= <<
```

```
class <struct.name>(<currentRule.name; format="cap">Context):
```

```
    def __init__(self, parser, ctx:ParserRuleContext): # actually a <parser.name>.<currentRule.name;
```

```

format="cap">Context
  super().__init__(parser)
  <attrs:{a | <a>}; separator="\n">
  self.copyFrom(ctx)

  <getters:{g | <g>}; separator="\n">

  <dispatchMethods; separator="\n">

>>

ListenerDispatchMethod(method) ::= <<
def <if(method.isEnter)>enter<else>exit<endif>Rule(self, listener:ParseTreeListener):
  if hasattr( listener, "<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">" ):
    listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">(self)

>>

VisitorDispatchMethod(method) ::= <<
def accept(self, visitor:ParseTreeVisitor):
  if hasattr( visitor, "visit<struct.derivedFromName; format="cap">" ):
    return visitor.visit<struct.derivedFromName; format="cap">(self)
  else:
    return visitor.visitChildren(self)

>>

AttributeDecl(d) ::= "self.<d.name> = <if(d.initValue)><d.initValue><else>None<endif>"

/** If we don't know location of label def x, use this template */
labelref(x) ::= "<if(!x.isLocal)>localctx.<endif><x.name>"

/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "localctx"

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "self.precpred(self._ctx, <opPrec>)"
recRuleSetReturnAction(src,name) ::= "$<name>=<src>.<name>"
recRuleSetStopToken() ::= "self._ctx.stop = self._input.LT(-1)"

recRuleAltStartAction(ruleName, ctxName, label) ::= <<
localctx = <parser.name>.<ctxName>Context(self, _parentctx, _parentState)
<if(label)>localctx.<label> = _prevctx<endif>
self.pushNewRecursionContext(localctx, _startState, self.RULE_<ruleName>)
>>

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
localctx = <parser.name>.<currentAltLabel; format="cap">Context(self, <parser.name>.<ruleName>

```

```

format="cap">Context(self, _parentctx, _parentState))
<if(label)>
<if(isListLabel)>
localctx.<label>.append(_prevctx)
<else>
localctx.<label> = _prevctx
<endif>
<endif>
self.pushNewRecursionContext(localctx, _startState, self.RULE_<ruleName>)
>>

```

```

recRuleReplaceContext(ctxName) ::= <<
localctx = <parser.name>.<ctxName>Context(self, localctx)
self._ctx = localctx
_prevctx = localctx
>>

```

```

recRuleSetPrevCtx() ::= <<
if self._parseListeners is not None:
    self.triggerExitRuleEvent()
_prevctx = localctx
>>

```

```

LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
from antlr4 import *
from io import StringIO
import sys
if sys.version_info[1] > 5:
    from typing import TextIO
else:
    from typing.io import TextIO

<namedActions.header>

<lexer>
>>

```

```

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
<if(superClass)>
if __name__ is not None and "." in __name__:
    from .<superClass> import <superClass>
else:
    from <superClass> import <superClass>

<endif>
<atn>

```

```

class <lexer.name>(<if(superClass)><superClass><else>Lexer<endif>):

    atn = ATNDeserializer().deserialize(serializedATN())

    decisionsToDFA = [ DFA(ds, i) for i, ds in enumerate(atn.decisionToState) ]

    <if(lexer.channels)>
        <lexer.channels:{c| <c> = <lexer.channels.(c)>}; separator="\n">

    <endif>

    <if(rest(lexer.modes)>
        <rest(lexer.modes):{m| <m> = <i>}; separator="\n">

    <endif>

    <if(lexer.tokens)>
        <lexer.tokens:{k| <k> = <lexer.tokens.(k)>}; separator="\n", wrap, anchor>
    <endif>

    channelNames = [ u"DEFAULT_TOKEN_CHANNEL", u"HIDDEN"<if (lexer.channels)>, <lexer.channels:{c|
u"<c>"}; separator=", ", wrap, anchor><endif> ]

    modeNames = [ <lexer.modes:{m| "<m>"}; separator=", ", wrap, anchor> ]

    literalNames = [ "\<INVALID>",
        <lexer.literalNames:{t| <t>}; separator=", ", wrap, anchor> ]

    symbolicNames = [ "\<INVALID>",
        <lexer.symbolicNames:{t| <t>}; separator=", ", wrap, anchor> ]

    ruleNames = [ <lexer.ruleNames:{r| "<r>"}; separator=", ", wrap, anchor> ]

    grammarFileName = "<lexer.grammarFileName>"

    def __init__(self, input=None, output:TextIO = sys.stdout):
        super().__init__(input, output)
        self.checkVersion("<lexerFile.ANTLRVersion>")
        self._interp = LexerATNSimulator(self, self.atn, self.decisionsToDFA, PredictionContextCache())
        self._actions = None
        self._predicates = None

    <namedActions.members>

    <dumpActions(lexer, "", actionFuncs, sempredFuncs)>

>>

SerializedATN(model) ::= <<

```

<! only one segment, can be inlined !>

```
def serializedATN():
    with StringIO() as buf:
        buf.write("<model.serialized; wrap={ }<\n>    buf.write(" }>")
        return buf.getvalue()
```

>>

```
/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
```

```
initValue(typeName) ::= <<
<pythonTypeInitMap.(typeName)>
>>
```

```
codeFileExtension() ::= ".py"
```

Found in path(s):

```
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-
jar/org/antlr/v4/tool/templates/codegen/Python3/Python3.stg
```

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```
/*
```

```
* [The "BSD license"]
```

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```

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* Copyright (c) 2012-2016 Sam Harwell
```

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*/
```

```
lexer grammar ActionSplitter;
```

```
options { filter=true; }
```

```
@header {
package org.antlr.v4.parse;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
}
```

```
@members {
ActionSplitterListener delegate;
```

```
public ActionSplitter(CharStream input, ActionSplitterListener delegate) {
    this(input, new RecognizerSharedState());
    this.delegate = delegate;
}
```

```
/** force filtering (and return tokens). triggers all above actions. */
```

```
public List<Token> getActionTokens() {
    List<Token> chunks = new ArrayList<Token>();
    Token t = nextToken();
    while ( t.getType()!=Token.EOF ) {
        chunks.add(t);
        t = nextToken();
    }
    return chunks;
}
```

```
private boolean isIDStartChar(int c) {
    return c == '_' || Character.isLetter(c);
}
}
```

```
// ignore comments right away
```

```
COMMENT
```

```
: /* ( options { greedy=false; } : . )* */ { delegate.text($text); }
;
```

```
LINE_COMMENT
```

```
: // ~(\\n|\\r)* \\r? \\n { delegate.text($text); }
;
```

```

SET_NONLOCAL_ATTR
: '$ x=ID ':' y=ID WS? '=' expr=ATTR_VALUE_EXPR ';'
{
  delegate.setNonLocalAttr($text, $x, $y, $expr);
}
;

NONLOCAL_ATTR
: '$ x=ID ':' y=ID { delegate.nonLocalAttr($text, $x, $y); }
;

QUALIFIED_ATTR
: '$ x=ID '.' y=ID {input.LA(1)!='('}? { delegate.qualifiedAttr($text, $x, $y); }
;

SET_ATTR
: '$ x=ID WS? '=' expr=ATTR_VALUE_EXPR ';'
{
  delegate.setAttr($text, $x, $expr);
}
;

ATTR
: '$ x=ID { delegate.attr($text, $x); }
;

// Anything else is just random text
TEXT
@init {StringBuilder buf = new StringBuilder();}
@after {delegate.text(buf.toString());}
: ( c=~(\\| '$) {buf.append((char)$c);}
| '\\$' {buf.append('$);}
| '\\ c=~('$) {buf.append('\\').append((char)$c);}
| {!isIDStartChar(input.LA(2))}? => '$' {buf.append('$);}
)+
;

fragment
ID : ('a'..'z'|'A'..'Z'|'_') ('a'..'z'|'A'..'Z'|'0'..'9'|'_')*
;

/** Don't allow an = as first char to prevent $x == 3; kind of stuff. */
fragment
ATTR_VALUE_EXPR
: ~'=' (~';)*
;

```

fragment

```
WS : ( '\t'\n'\r'+
```

```
;
```

Found in path(s):

```
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-  
jar/org/antlr/v4/parse/ActionSplitter.g
```

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```

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-  
jar/org/antlr/v4/tool/templates/codegen/Cpp/Files.stg
```

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```
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```

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```

```
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```


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 * THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
 */

```
SwiftTypeInitMap ::= [
  "Int": "0",
  "Int64": "0",
  "Float": "0.0",
  "Double": "0.0",
  "Bool": "false",
  default: "nil" // anything other than a primitive type is an object
]
SwiftTypeMap ::= [
  "int": "Int",
  "float": "Float",
  "long": "Int64",
  "double": "Double",
  "bool": "Bool",
  "boolean": "Bool",
  default : key
]
// args must be <object-model-object>, <fields-resulting-in-STs>

accessLevelOpenOK(obj) ::= "<obj.accessLevel; null=\\"open\\">"
accessLevelNotOpen(obj) ::= "<obj.accessLevel; null=\\"public\\">"
```

```

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<namedActions.header>
import Antlr4

<parser>
>>

```

```

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<header>
import Antlr4

```

```

/**
 * This interface defines a complete listener for a parse tree produced by
 * { @link <file.parserName> }.
 */
<accessLevelNotOpen(file)> protocol <file.grammarName>Listener: ParseTreeListener {
  <file.listenerNames>: {Iname |
/**
<if(file.listenerLabelRuleNames.(Iname))>
 * Enter a parse tree produced by the { @code <Iname>\}
 * labeled alternative in { @link <file.parserName>#<file.listenerLabelRuleNames.(Iname)>\}.
<else>
 * Enter a parse tree produced by { @link <file.parserName>#<Iname>\}.
<endif>
- Parameters:
  - ctx: the parse tree
 */
func enter<Iname; format="cap">(_ ctx: <file.parserName>.<Iname; format="cap">Context)
/**
<if(file.listenerLabelRuleNames.(Iname))>
 * Exit a parse tree produced by the { @code <Iname>\}
 * labeled alternative in { @link <file.parserName>#<file.listenerLabelRuleNames.(Iname)>\}.
<else>
 * Exit a parse tree produced by { @link <file.parserName>#<Iname>\}.
<endif>
- Parameters:
  - ctx: the parse tree
 */
func exit<Iname; format="cap">(_ ctx: <file.parserName>.<Iname; format="cap">Context); separator="\n">
}

```

>>

```
BaseListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<header>

import Antlr4

/**
 * This class provides an empty implementation of { @link <file.grammarName>Listener },
 * which can be extended to create a listener which only needs to handle a subset
 * of the available methods.
 */
<accessLevelOpenOK(file)> class <file.grammarName>BaseListener: <file.grammarName>Listener {
  <accessLevelNotOpen(file)> init() { \}
  <file.listenerNames:{lname |

/**
 * { @inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
<accessLevelOpenOK(file)> func enter<lname; format="cap">(_ ctx: <file.parserName>.<lname;
format="cap">Context) { \}

/**
 * { @inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
<accessLevelOpenOK(file)> func exit<lname; format="cap">(_ ctx: <file.parserName>.<lname;
format="cap">Context) { \} }; separator="\n">

/**
 * { @inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
<accessLevelOpenOK(file)> func enterEveryRule(_ ctx: ParserRuleContext) throws { }

/**
 * { @inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
<accessLevelOpenOK(file)> func exitEveryRule(_ ctx: ParserRuleContext) throws { }
```

```

/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
<accessLevelOpenOK(file)> func visitTerminal(_ node: TerminalNode) { }
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
<accessLevelOpenOK(file)> func visitErrorNode(_ node: ErrorNode) { }
}
>>

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<header>
import Antlr4

/**
 * This interface defines a complete generic visitor for a parse tree produced
 * by {@link <file.parserName>}.
 *
 * @param \<T> The return type of the visit operation. Use {@link Void} for
 * operations with no return type.
 */
<accessLevelOpenOK(file)> class <file.grammarName>Visitor\<T>: ParseTreeVisitor\<T> {
  <file.visitorNames>{ Iname |
/**
<if(file.visitorLabelRuleNames.(Iname))>
 * Visit a parse tree produced by the {@code <Iname>}
 * labeled alternative in {@link <file.parserName>#<file.visitorLabelRuleNames.(Iname)>}.
<else>
 * Visit a parse tree produced by {@link <file.parserName>#<Iname>}.
<endif>
- Parameters:
- ctx: the parse tree
- returns: the visitor result
*/
<accessLevelOpenOK(file)> func visit<Iname>(format="cap")(_ ctx: <file.parserName>.<Iname>;
format="cap">Context) -> T {
  fatalError("#function + " must be overridden")
}
}; separator="\n">

```

```

}
>>

BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<header>
import Antlr4

/**
 * This class provides an empty implementation of { @link <file.grammarName>Visitor},
 * which can be extended to create a visitor which only needs to handle a subset
 * of the available methods.
 *
 * @param \<T> The return type of the visit operation. Use { @link Void} for
 * operations with no return type.
 */
<accessLevelOpenOK(file)> class <file.grammarName>BaseVisitor\<T>: AbstractParseTreeVisitor\<T> {
  <file.visitorNames:{lname |
/**
 * { @inheritDoc\}
 *
 * \<p>The default implementation returns the result of calling
 * { @link #visitChildren\} on { @code ctx\}.\</p>
 */
  <accessLevelOpenOK(file)> func visit<lname; format="cap">(_ ctx: <file.parserName>.<lname;
format="cap">Context) -> T? { return visitChildren(ctx) \}; separator="\n">
  }
}
>>

fileHeader(grammarFileName, ANTLRVersion) ::= <<
// Generated from <grammarFileName; format="java-escape"> by ANTLR <ANTLRVersion>
>>

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
</*!/@SuppressWarnings({"all", "warnings", "unchecked", "unused", "cast"})!>
<accessLevelOpenOK(parser)> class <parser.name>: <superClass; null="Parser"> {

  internal static var _decisionToDFA: [DFA] = {
    var decisionToDFA = [DFA]()
    let length = <parser.name>._ATN.getNumberOfDecisions()
    for i in 0..\<length {

```

```

    <!-- decisionToDFA[i] = DFA(<parser.name>._ATN.getDecisionState(i)!, i);!>
    decisionToDFA.append(DFA(<parser.name>._ATN.getDecisionState(i)!, i))
  }
  return decisionToDFA
}()

```

```

internal static let _sharedContextCache = PredictionContextCache()

```

```

<if(parser.tokens)>
<accessLevelNotOpen(parser)>
enum Tokens: Int {
  case EOF = -1, <parser.tokens:{k | <k> = <parser.tokens.(k)>}; separator=", ", wrap, anchor>
}
<endif>

```

```

<accessLevelNotOpen(parser)>
<if(parser.rules)>
static let <parser.rules:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>
<endif>

```

```

<accessLevelNotOpen(parser)>
static let ruleNames: [String] = [
  <parser.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor>
]

```

```

<vocabulary(parser.literalNames, parser.symbolicNames,
  accessLevelNotOpen(parser))>

```

```

override <accessLevelOpenOK(parser)>
func getGrammarFileName() -> String { return "<parser.grammarFileName; format="java-escape">" }

```

```

override <accessLevelOpenOK(parser)>
func getRuleNames() -> [String] { return <parser.name>.ruleNames }

```

```

override <accessLevelOpenOK(parser)>
func getSerializedATN() -> String { return <parser.name>._serializedATN }

```

```

override <accessLevelOpenOK(parser)>
func getATN() -> ATN { return <parser.name>._ATN }

```

```

<namedActions.members>
<parser:(ctor)()>
<funcs; separator="\n">

```

```

<if( sempredFuncs)>
override <accessLevelOpenOK(parser)>
func sempred(_ _localctx:RuleContext?, _ ruleIndex: Int, _ predIndex: Int)throws -> Bool {
  switch (ruleIndex) {

```

```

    <parser.sempredFuncs.values:{f}
case <f.ruleIndex>:
return try <f.name>_sempred(_localctx?.castdown(<f.ctxType>.self), predIndex)); separator="\n">
    default: return true
}
<!return true;!>
}
<sempredFuncs.values; separator="\n">
<endif>

```

```
<atn>
```

```

<accessLevelNotOpen(parser)>
static let _serializedATN = <parser.name>ATN().jsonString

```

```

<accessLevelNotOpen(parser)>
static let _ATN = ATNDeserializer().deserializeFromJson(_serializedATN)
}
>>

```

```

vocabulary(literalNames, symbolicNames, accessLevel) ::= <<
private static let _LITERAL_NAMES: [String?] = [
    <literalNames:{t | <t>}; null="nil", separator=", ", wrap, anchor>
]
private static let _SYMBOLIC_NAMES: [String?] = [
    <symbolicNames:{t | <t>}; null="nil", separator=", ", wrap, anchor>
]
<accessLevel>
static let VOCABULARY = Vocabulary(_LITERAL_NAMES, _SYMBOLIC_NAMES)
>>

```

```

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
override <accessLevelOpenOK(parser)>
func action(_ _localctx: RuleContext?, _ ruleIndex: Int, _ actionIndex: Int) throws {
    switch (ruleIndex) {
    <recog.actionFuncs.values:{f}
case <f.ruleIndex>:
    <f.name>_action((_localctx as <f.ctxType>?), actionIndex)
    }; separator="\n">
    default: break
    }
}
<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>
override <accessLevelOpenOK(parser)>
func sempred(_ _localctx: RuleContext?, _ ruleIndex: Int, _ predIndex: Int) throws -> Bool {

```

```

switch (ruleIndex) {
  <recog.sempredFuncs.values:{f|
case <f.ruleIndex>:
  return try <f.name>_sempred(_localctx?.castdown(<f.ctxType>.self), predIndex)); separator="\n">
  default: return true
  }
  <!return true;!>
}
<sempredFuncs.values; separator="\n">
<endif>
>>

```

```

parser_ctor(p) ::= <<

```

```

override <accessLevelOpenOK(parser)>
func getVocabulary() -> Vocabulary {
  return <p.name>.VOCABULARY
}

```

```

override <accessLevelNotOpen(parser)>
init(_ input:TokenStream) throws {
  RuntimeMetaData.checkVersion("4.9.2", RuntimeMetaData.VERSION)
  try super.init(input)
  _interp = ParserATNSimulator(self,<p.name>._ATN,<p.name>._decisionToDFA,
<p.name>._sharedContextCache)
}

```

```

>>

```

```

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/

```

```

RuleActionFunction(r, actions) ::= <<
private func <r.name>_action(_ localctx: <r.ctxType>?, _ actionIndex: Int) {
  switch (actionIndex) {
    <actions:{index|
case <index>:
  <actions.(index)>
  }; separator="\n">
  default: break
  }
}
}
>>

```

```

/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/

```

```

RuleSempredFunction(r, actions) ::= <<

```



```

private func <r.name>_sempred(_ _localctx: <r.ctxType>!, _ predIndex: Int) throws -> Bool {
  switch (predIndex) {
    <actions: {index|
      case <index>:return <actions.(index)>; separator="\n">
      default: return true
    }
    <!return true;!>
  }
}
>>

```

```

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<
<ruleCtx>
<altLabelCtxs: {l | <altLabelCtxs.(l)>; separator="\n">
@discardableResult
<if(currentRule.modifiers)><currentRule.modifiers: {f | <f> }><else> <accessLevelOpenOK(parser)> func
<endif><currentRule.name><(if(first(args))>_ <endif><args; separator=", _">) throws -> <currentRule.ctxType> {
  var _localctx: <currentRule.ctxType> = <currentRule.ctxType>(_ctx, getState())<currentRule.args: {a | ,
  <a.name>}>>)
  try enterRule(_localctx, <currentRule.startState>, <parser.name>.RULE_<currentRule.name>)
  <namedActions.init>
  <locals; separator="\n">
  defer {
    <finallyAction>
    try! exitRule()
  }
  do {
    <if(currentRule.hasLookaheadBlock)>
    var _alt:Int
  <endif>
    <code>
    <postamble; separator="\n">
    <namedActions.after>
  }
  <if(exceptions)>
  <exceptions; separator="\n">
  <else>
  catch ANTLRException.recognition(let re) {
    _localctx.exception = re
    _errHandler.reportError(self, re)
    try _errHandler.recover(self, re)
  }
  <endif>

  return _localctx
}
>>

```

```

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
    namedActions,finallyAction,postamble) ::=
<<

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}>; separator="\n">

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else> <accessLevelNotOpen(parser)> final <endif>
func <currentRule.name>( <if(first(args))>_ <endif><args; separator=", _">) throws -> <currentRule.ctxType> {
    return try <currentRule.name>(0<currentRule.args:{a | , <a.name>}>)
}
@discardableResult
private func <currentRule.name>(_ p<args:{a | , <a>}>: Int) throws -> <currentRule.ctxType> {
    let _parentctx: ParserRuleContext? = _ctx
    let _parentState: Int = getState()
    var _localctx: <currentRule.ctxType> = <currentRule.ctxType>(_ctx, _parentState<currentRule.args:{a | ,
<a.name>}>))
    var _prevctx: <currentRule.ctxType> = _localctx
    let _startState: Int = <currentRule.startState>
    try enterRecursionRule(_localctx, <currentRule.startState>, <parser.name>.RULE_<currentRule.name>, _p)
    <namedActions.init>
    <locals; separator="\n">
    defer {
        <finallyAction>
        try! unrollRecursionContexts(_parentctx)
    }
    do {
    <if(currentRule.hasLookaheadBlock)>
        var _alt: Int
    <endif>
    <code>
    <postamble; separator="\n">
    <namedActions.after>
    }
    catch ANTLRException.recognition(let re) {
        _localctx.exception = re
        _errHandler.reportError(self, re)
        try _errHandler.recover(self, re)
    }

    return _localctx;
}
>>

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>_localctx = <currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(_localctx);<endif>
try enterOuterAlt(_localctx, <currentOuterMostAltCodeBlock.alt.altNum>)

```

```
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
```

```
>>
```

```
CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
```

```
<!/{!>
```

```
<locals; separator="\n">
```

```
<preamble; separator="\n">
```

```
<ops; separator="\n">
```

```
<!/{}!>
```

```
>>
```

```
LL1AltBlock(choice, preamble, alts, error) ::= <<
```

```
setState(<choice.stateNumber>)
```

```
try _errHandler.sync(self)
```

```
<if(choice.label)><labelref(choice.label)> = try _input.LT(1)<endif>
```

```
<preamble; separator="\n">
```

```
switch (<parser.name>.Tokens(rawValue: try _input.LA(1))! ) {
```

```
<choice.altLook,alts:{look,alt | <cases(ttypes=look)>
```

```
<alt>
```

```
break }; separator="\n">
```

```
default:
```

```
<error>
```

```
}
```

```
>>
```

```
LL1OptionalBlock(choice, alts, error) ::= <<
```

```
setState(<choice.stateNumber>)
```

```
try _errHandler.sync(self)
```

```
switch (<parser.name>.Tokens(rawValue: try _input.LA(1))! ) {
```

```
<choice.altLook,alts:{look,alt | <cases(ttypes=look)>
```

```
<alt>
```

```
break }; separator="\n">
```

```
default:
```

```
break
```

```
}
```

```
>>
```

```
LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
```

```
setState(<choice.stateNumber>)
```

```
try _errHandler.sync(self)
```

```
<preamble; separator="\n">
```

```
if (<expr> ) {
```

```
<alts; separator="\n">
```

```
}
```

```
<!else if ( !( <followExpr> ) ) <error>!>
```

```
>>
```

```
LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
```

```

setState(<choice.stateNumber>)
try _errHandler.sync(self)
<preamble; separator="\n">
while (<loopExpr>) {
  <alts; separator="\n">
  setState(<choice.loopBackStateNumber>)
  try _errHandler.sync(self)
  <iteration>
}
>>

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
setState(<choice.blockStartStateNumber>) <! alt block decision !>
try _errHandler.sync(self)
<preamble; separator="\n">
repeat {
  <alts; separator="\n">
  setState(<choice.stateNumber>); <! loopback/exit decision !>
  try _errHandler.sync(self)
  <iteration>
} while (<loopExpr>)
>>

// LL(*) stuff

AltBlock(choice, preamble, alts, error) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = try _input.LT(1)<endif>
<preamble; separator="\n">
switch(try getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx)) {
  <alts:{alt |
case <i>:
  <alt>
  break }; separator="\n">
default: break
}
>>

OptionalBlock(choice, alts, error) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
switch (try getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx)) {
  <alts:{alt |
case <i><if(!choice.ast.greedy)>+1<endif>:
  <alt>
  break }; separator="\n">
default: break

```

```
}  
>>
```

```
StarBlock(choice, alts, sync, iteration) ::= <<  
  setState(<choice.stateNumber>)  
  try _errHandler.sync(self)  
  _alt = try getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx)  
  while (_alt != <choice.exitAlt> && _alt != ATN.INVALID_ALT_NUMBER) {  
    if ( _alt==1<if(!choice.ast.greedy)>+1<endif> ) {  
      <iteration>  
      <alts> <! should only be one !>  
    }  
    setState(<choice.loopBackStateNumber>)  
    try _errHandler.sync(self)  
    _alt = try getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx)  
  }  
>>
```

```
PlusBlock(choice, alts, error) ::= <<  
  setState(<choice.blockStartStateNumber>); <! alt block decision !>  
  try _errHandler.sync(self)  
  _alt = 1<if(!choice.ast.greedy)>+1<endif>;  
  repeat {  
    switch (_alt) {  
      <alts:{alt|  
        case <i><if(!choice.ast.greedy)>+1<endif>:  
          <alt>  
          break }; separator="\n">  
      default:  
        <error>  
    }  
    setState(<choice.loopBackStateNumber>); <! loopback/exit decision !>  
    try _errHandler.sync(self)  
    _alt = try getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx)  
  } while (_alt != <choice.exitAlt> && _alt != ATN.INVALID_ALT_NUMBER)  
>>
```

```
Sync(s) ::= "sync(<s.expecting.name>);"
```

```
ThrowNoViableAlt(t) ::= "throw ANTLRException.recognition(e: NoViableAltException(self))"
```

```
TestSetInline(s) ::= <<  
<!<s.bitsets:{bits | <if(rest(rest(bits.ttypes))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,  
bits)><endif>}; separator=" || ">!>  
//closure  
{ () -> Bool in  
  <if(rest(s.bitsets)>>var<else>let<endif> testSet: Bool = <first(s.bitsets):{bits |  
<if(rest(rest(bits.ttypes))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s, bits)><endif>}&>
```

```

    <rest(s.bitsets): {bits | testSet = testSet || <if(rest(rest(bits.ttypes))><bitsetBitfieldComparison(s,
bits)><else><bitsetInlineComparison(s, bits)><endif>}; separator="\n">
    return testSet
}()
>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <<
<!(<testShiftInRange({<offsetShift(s.varName, bits.shift)>})> && ((1 \<< <offsetShift(s.varName, bits.shift)>) &
(<bits.ttypes:{ ttype | (1 \<< <offsetShift(ttype, bits.shift)>}); separator=" | ">)) != 0)!>
{ () -> Bool in
    <! let test: Bool = (<testShiftInRange({<offsetShift(s.varName, bits.shift)>})>)!>
    <!var temp: Int64 = Int64(<offsetShift(s.varName, bits.shift)>)!>
    <!temp = (temp \< 0) ? (64 + (temp % 64)) : (temp % 64)!>
    <!let test1: Int64 = (Int64(1) \<< temp)!>
    <!var test2: Int64 = (<first(bits.ttypes): { ttype | Utils.bitLeftShift(<offsetShift(parserName(ttype), bits.shift)>)}>)!>
    <!<rest(bits.ttypes): { ttype | test2 = test2 | Utils.bitLeftShift(<offsetShift(parserName(ttype), bits.shift)>)}>};
separator="\n">!>
    let testArray: [Int] = [<s.varName>, <bits.ttypes: { ttype | <parserName(ttype)>}; separator=", ">]
    <!var test2: Int64 = Utils.testBitLeftShiftArray(testArray)!>
    return Utils.testBitLeftShiftArray(testArray, <bits.shift>)
}()
>>

isZero ::= [
"0": true,
default: false
]
parserName(ttype) ::= <%
<parser.name>.Tokens.<ttype>.rawValue
%>
offsetShift(shiftAmount, offset) ::= <%
<if(!isZero.(offset))><shiftAmount> - <offset><else><shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes: { ttype | <s.varName> == <parser.name>.Tokens.<ttype>.rawValue }; separator=" || ">
%>

cases(ttypes) ::= <<
<trunc(ttypes): { t | case .<t>:fallthrough } ; separator="\n">
<last(ttypes): { t | case .<t>: } ; separator="\n">

```

>>

```
InvokeRule(r, argExprsChunks) ::= <<
  setState(<r.stateNumber>)
  <if(r.labels)>
  try {
    let assignmentValue = try
  <r.name>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprsChunks>)
  <r.labels:{1 | <labelref(l)> = assignmentValue} ; separator="\n">
    }()
  <else>try
  <r.name>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprsChunks>)<endif>
>>
```

```
MatchToken(m) ::= <<
  setState(<m.stateNumber>)
  <if(m.labels)>
  try {
    let assignmentValue = try match(<parser.name>.Tokens.<m.name>.rawValue)
  <m.labels:{1 | <labelref(l)> = assignmentValue} ; separator="\n">
    }()
  <else>try match(<parser.name>.Tokens.<m.name>.rawValue)<endif>
>>
```

```
MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"
```

```
MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"
```

```
CommonSetStuff(m, expr, capture, invert) ::= <<
  setState(<m.stateNumber>)
  <if(m.labels)><m.labels:{1 | <labelref(l)> = }>try _input.LT(1)<endif>
  <capture>
  if (<if(invert)><m.varName> \<= 0 || <else>!<endif>(<expr>)) {
  <if(m.labels)><m.labels:{1 | <labelref(l)> = }><endif>try _errHandler.recoverInline(self)<if(m.labels)> as
  Token<endif>
  }
  else {
  _errHandler.reportMatch(self)
  try consume()
  }
>>
```

```
Wildcard(w) ::= <<
  setState(<w.stateNumber>)
  <if(w.labels)><w.labels:{1 | <labelref(l)> = }><endif>try matchWildcard();
>>
```

```
// ACTION STUFF
```

```

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
setState(<p.stateNumber>)
if (!(<chunks>)) {
    throw ANTLRException.recognition(e:FailedPredicateException(self, <p.predicate><if(failChunks)>,
<failChunks><elseif(p.msg)>, <p.msg><endif>))
}
>>

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
    <catchAction>
}
>>

// lexer actions are not associated with model objects

LexerSkipCommand() ::= "skip()"
LexerMoreCommand() ::= "more()"
LexerPopModeCommand() ::= "popMode()"

LexerTypeCommand(arg)    ::= "_type = <arg>"
LexerChannelCommand(arg) ::= "_channel = <arg>"
LexerModeCommand(arg)    ::= "_mode = <arg>"
LexerPushModeCommand(arg) ::= "pushMode(<arg>)"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "_localctx.<a.name>"
LocalRef(a) ::= "_localctx.<a.name>"
RetValRef(a) ::= "_localctx.<a.name>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.name>"
LabelRef(t) ::= "<ctx(t)>.<t.name>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>"

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getText()! : \"\""
TokenPropertyRef_type(t) ::= "<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getType() : 0)"
TokenPropertyRef_line(t) ::= "<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getLine() : 0)"

```



```

TokenPropertyRef_pos(t) ::= "<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getCharPositionInLine() : 0)"
TokenPropertyRef_channel(t) ::= "<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getChannel() : 0)"
TokenPropertyRef_index(t) ::= "<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getTokenIndex() : 0)"
TokenPropertyRef_int(t) ::= "<ctx(t)>.<t.label> != nil ? Int(<ctx(t)>.<t.label>!.getText()) : 0)"

RulePropertyRef_start(r) ::= "<ctx(r)>.<r.label> != nil ? (<ctx(r)>.<r.label>!.start?.description ?? \"\") : \"\""
RulePropertyRef_stop(r) ::= "<ctx(r)>.<r.label> != nil ? (<ctx(r)>.<r.label>!.stop?.description ?? \"\") : \"\""
RulePropertyRef_text(r) ::= "<ctx(r)>.<r.label> != nil ? try
_input.getText(<ctx(r)>.<r.label>!.start,<ctx(r)>.<r.label>!.stop) : \"\""
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "self"

ThisRulePropertyRef_start(r) ::= "_localctx.start"
ThisRulePropertyRef_stop(r) ::= "_localctx.stop"
ThisRulePropertyRef_text(r) ::= "(try _input.getText(_localctx.start, try _input.LT(-1)))"
ThisRulePropertyRef_ctx(r) ::= "_localctx"
ThisRulePropertyRef_parser(r) ::= "self"

NonLocalAttrRef(s) ::= "(<<s.ruleName; format=\"cap\">Context)getInvokingContext(<s.ruleIndex>).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::=
"(<<s.ruleName; format=\"cap\">Context)getInvokingContext(<s.ruleIndex>).<s.name> = <rhsChunks>"

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.append(<labelref(a.label)>)"

TokenDecl(t) ::= "<t.name>: <SwiftTypeMap.(TokenLabelType())>!"
TokenTypeDecl(t) ::= "var <t.name>: Int = 0"
TokenListDecl(t) ::= "<t.name>: [Token] = [Token]()"
RuleContextDecl(r) ::= "<r.name>: <r.ctxName>!"
RuleContextListDecl(rdecl) ::= "<rdecl.name>: [<rdecl.ctxName>] = [<rdecl.ctxName>]()"

ContextTokenGetterDecl(t) ::= <<
<accessLevelOpenOK(parser)>
func <t.name>() -> TerminalNode? {
return getToken(<parser.name>.Tokens.<t.name>.rawValue, 0)
}
>>

ContextTokenListGetterDecl(t) ::= <<
<accessLevelOpenOK(parser)>
func <t.name>() -> [TerminalNode] {
return getTokens(<parser.name>.Tokens.<t.name>.rawValue)
}
>>

ContextTokenListIndexedGetterDecl(t) ::= <<
<accessLevelOpenOK(parser)>
func <t.name>(_ i:Int) -> TerminalNode? {
return getToken(<parser.name>.Tokens.<t.name>.rawValue, i)
}
>>

```

```

ContextRuleGetterDecl(r) ::= <<
  <accessLevelOpenOK(parser)>
  func <r.name>() -> <r.ctxName>? {
    return getRuleContext(<r.ctxName>.self, 0)
  }
>>

ContextRuleListGetterDecl(r) ::= <<
  <accessLevelOpenOK(parser)>
  func <r.name>() -> [<r.ctxName>] {
    return getRuleContexts(<r.ctxName>.self)
  }
>>

ContextRuleListIndexedGetterDecl(r) ::= <<
  <accessLevelOpenOK(parser)>
  func <r.name>(_ i: Int) -> <r.ctxName>? {
    return getRuleContext(<r.ctxName>.self, i)
  }
>>

LexerRuleContext() ::= "RuleContext"

/** The rule context name is the rule followed by a suffix; e.g.,
 * r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "_<tokenName>"
ImplicitRuleLabel(ruleName) ::= "_<ruleName>"
ImplicitSetLabel(id) ::= "_tset<id>"
ListLabelName(label) ::= "<label>"

CaptureNextToken(d) ::= "<d.varName> = try _input.LT(1)"
CaptureNextTokenType(d) ::= "<d.varName> = try _input.LA(1)"

StructDecl(struct,ctorAttrs,attrs, getters,dispatchMethods,interfaces,extensionMembers,
  superClass={ParserRuleContext}) ::= <<

  <accessLevelNotOpen(parser)> class <struct.name>:
  <if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)>, <interfaces>
  separator=", "><endif> {
  <attrs:{a | <accessLevelOpenOK(parser)> var <a>}; separator="\n">
  <getters:{g | <g>}; separator="\n">
  <! <if(ctorAttrs)> <accessLevelNotOpen(parser)> init(_ parent: ParserRuleContext,_ invokingState: Int) {
  super.init(parent, invokingState) }<endif> !>
  <if(ctorAttrs)>
  <accessLevelNotOpen(parser)> convenience init(_ parent: ParserRuleContext?, _ invokingState: Int<ctorAttrs:{a | ,
  _ <a>}>) {
  self.init(parent, invokingState)

```

```

    <struct.ctorAttrs:{ a | self.<a.name> = <a.name>; }; separator="\n">
  }
<endif>

```

```

override <accessLevelOpenOK(parser)>
func getRuleIndex() -> Int {
  return <parser.name>.RULE_<struct.derivedFromName>
}
<if(struct.provideCopyFrom && struct.attrs)> <! don't need copy unless we have subclasses !>
<accessLevelOpenOK(parser)>
override func copyFrom(_ ctx_: ParserRuleContext) {
  super.copyFrom(ctx_)
  let ctx = ctx_ as! <struct.name>
  <struct.attrs:{ a | self.<a.name> = ctx.<a.name>; }; separator="\n">
}
<endif>
<dispatchMethods; separator="\n">
<extensionMembers; separator="\n">
}
>>

```

```

AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
<accessLevelNotOpen(parser)> class <struct.name>: <currentRule.name; format="cap">Context {
  <attrs:{ a | <accessLevelNotOpen(parser)> var <a> }; separator="\n">
  <getters:{ g | <g> }; separator="\n">

```

```

  <accessLevelNotOpen(parser)>
  init(_ ctx: <currentRule.name; format="cap">Context) {
    super.init()
    copyFrom(ctx)
  }
  <dispatchMethods; separator="\n">
}
>>

```

```

ListenerDispatchMethod(method) ::= <<
override <accessLevelOpenOK(parser)>
func <if(method.isEnter)>enter<else>exit<endif>Rule(_ listener: ParseTreeListener) {
  if let listener = listener as? <parser.grammarName>Listener {
    listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">(self)
  }
}
>>

```

```

VisitorDispatchMethod(method) ::= <<
override <accessLevelOpenOK(parser)>
func accept<T>(_ visitor: ParseTreeVisitor<T>) -> T? {
  if let visitor = visitor as? <parser.grammarName>Visitor {

```

```

    return visitor.visit<struct.derivedFromName; format="cap">(self)
  }
  else if let visitor = visitor as? <parser.grammarName>BaseVisitor {
    return visitor.visit<struct.derivedFromName; format="cap">(self)
  }
  else {
    return visitor.visitChildren(self)
  }
}
>>

```

```
AttributeDecl(d) ::= "<d.name>: <SwiftTypeMap.(d.type)><if(d.initValue)> = <d.initValue><else>!<endif>"
```

```
/** If we don't know location of label def x, use this template (_localctx as! <x.ctx.name> */
labelref(x) ::= "<if(!x.isLocal)>_localctx.castdown(<x.ctx.name>.self).<endif><x.name>"
```

```
/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "_localctx.castdown(<actionChunk.ctx.name>.self)"
```

```
// used for left-recursive rules
```

```
recRuleAltPredicate(ruleName,opPrec) ::= "precpred(_ctx, <opPrec>)"
recRuleSetReturnAction(src,name) ::= "$<name>=<src>.<name>"
recRuleSetStopToken() ::= "_ctx!.stop = try _input.LT(-1)"
```

```
recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
```

```
_localctx = <ctxName>Context(_parentctx, _parentState);
```

```
<if(label)>
```

```
<if(isListLabel)>
```

```
_localctx.<label>.append(_prevctx)
```

```
<else>
```

```
_localctx.<label> = _prevctx
```

```
<endif>
```

```
<endif>
```

```
<if(label)>_localctx.<label> = _prevctx;<endif>
```

```
try pushNewRecursionContext(_localctx, _startState, <parser.name>.RULE_<ruleName>)
```

```
>>
```

```
recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
```

```
_localctx = <currentAltLabel; format="cap">Context( <ruleName; format="cap">Context(_parentctx,
_parentState))
```

```
<if(label)>
```

```
<if(isListLabel)>
```

```
(_localctx as! <currentAltLabel; format="cap">Context).<label>.append(_prevctx)
```

```
<else>
```

```
(_localctx as! <currentAltLabel; format="cap">Context).<label> = _prevctx
```

```
<endif>
```

```
<endif>
```

```
try pushNewRecursionContext(_localctx, _startState, <parser.name>.RULE_<ruleName>)
```

>>

```
recRuleReplaceContext(ctxName) ::= <<
  _localctx = <ctxName>Context(_localctx)
  _ctx = _localctx
  _prevctx = _localctx
>>
```

```
recRuleSetPrevCtx() ::= <<
  if _parseListeners != nil {
    try triggerExitRuleEvent()
  }
  _prevctx = _localctx
>>
```

```
LexerFile(lexerFile, lexer, namedActions) ::= <<
  <fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
  <if(lexerFile.genPackage)>
  <!package <lexerFile.genPackage>;!>
  <endif>
  <namedActions.header>
  import Antlr4
```

```
<lexer>
>>
```

```
Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
  <accessLevelOpenOK(lexer)> class <lexer.name>: <superClass; null="Lexer"> {
```

```
    internal static var _decisionToDFA: [DFA] = {
      var decisionToDFA = [DFA]()
      let length = <lexer.name>._ATN.getNumberOfDecisions()
      for i in 0..<length {
        <! decisionToDFA[i] = DFA(<lexer.name>._ATN.getDecisionState(i)!, i);!>
        decisionToDFA.append(DFA(<lexer.name>._ATN.getDecisionState(i)!, i))
      }
      return decisionToDFA
    }()
  }
```

```
    internal static let _sharedContextCache = PredictionContextCache()
```

```
  <accessLevelNotOpen(lexer)>
  <if(lexer.tokens)>
  static let <lexer.tokens>:{k | <k>=<lexer.tokens.(k)>}; separator=", ", wrap, anchor>
  <endif>
```

```
  <if(lexer.channels)>
  <accessLevelNotOpen(lexer)>
```

```

static let <lexer.channels:{k | <k>=<lexer.channels.(k)>}; separator=", ", wrap, anchor>
<endif>
<if(rest(lexer.modes))>
<accessLevelNotOpen(lexer)>
static let <rest(lexer.modes):{m| <m>=<i>}; separator=", ", wrap, anchor>
<endif>
<accessLevelNotOpen(lexer)>
static let channelNames: [String] = [
  "DEFAULT_TOKEN_CHANNEL", "HIDDEN"<if (lexer.channels)>, <lexer.channels:{c| "<c>"}; separator=", ",
wrap, anchor><endif>
]

<accessLevelNotOpen(lexer)>
static let modeNames: [String] = [
  <lexer.modes:{m| "<m>"}; separator=", ", wrap, anchor>
]

<accessLevelNotOpen(lexer)>
static let ruleNames: [String] = [
  <lexer.ruleNames:{r| "<r>"}; separator=", ", wrap, anchor>
]

<vocabulary(lexer.literalNames, lexer.symbolicNames,
  accessLevelNotOpen(lexer))>

<namedActions.members>

override <accessLevelOpenOK(lexer)>
func getVocabulary() -> Vocabulary {
  return <lexer.name>.VOCABULARY
}

<accessLevelNotOpen(lexer)>
required init(_ input: CharStream) {
  RuntimeMetaData.checkVersion("<lexerFile.ANTLRVersion>", RuntimeMetaData.VERSION)
  super.init(input)
  _interp = LexerATNSimulator(self, <lexer.name>._ATN, <lexer.name>._decisionToDFA,
<lexer.name>._sharedContextCache)
}

override <accessLevelOpenOK(lexer)>
func getGrammarFileName() -> String { return "<lexer.grammarFileName>" }

override <accessLevelOpenOK(lexer)>
func getRuleNames() -> [String] { return <lexer.name>.ruleNames }

override <accessLevelOpenOK(lexer)>
func getSerializedATN() -> String { return <lexer.name>._serializedATN }

```

```

override <accessLevelOpenOK(lexer)>
func getChannelNames() -> [String] { return <lexer.name>.channelNames }

override <accessLevelOpenOK(lexer)>
func getModeNames() -> [String] { return <lexer.name>.modeNames }

override <accessLevelOpenOK(lexer)>
func getATN() -> ATN { return <lexer.name>._ATN }

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>
<atn>

<accessLevelNotOpen(lexer)>
static let _serializedATN: String = <lexer.name>ATN().jsonString

<accessLevelNotOpen(lexer)>
static let _ATN: ATN = ATNDeserializer().deserializeFromJson(_serializedATN)
}
>>

/** Don't need to define anything. The tool generates a XParserATN.swift file (and same for lexer)
 * which is referenced from static field _serializedATN. This json string is passed to
 * deserializeFromJson(). Note this is not the "serialization as array of ints" that other targets
 * do. It is more or less the output of ATNPrinter which gets read back in.
 */
SerializedATN(model) ::= <<
>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
<SwiftTypeInitMap.(typeName)>
>>

codeFileExtension() ::= ".swift"

Found in path(s):
* /opt/cola/permits/1340816081_1654861722.3479369/0/antlr4-4-9-2-sources-1-
jar/org/antlr/v4/tool/templates/codegen/Swift/Swift.stg

```

1.22 ktor-http-jvm 1.3.1

1.22.1 Available under license :

Apache-2.0

1.23 kotlinx-coroutines-core-common 1.3.3

1.23.1 Available under license :

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1.24 asm-tree 9.1

1.24.1 Available under license :

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Manifest-Version: 1.0

Bundle-DocURL: <http://asm.ow2.org>

Bundle-License: BSD-3-Clause;link=<https://asm.ow2.io/LICENSE.txt>

Bundle-ManifestVersion: 2

Bundle-Name: org.objectweb.asm.tree

Bundle-RequiredExecutionEnvironment: J2SE-1.5

Bundle-SymbolicName: org.objectweb.asm.tree

Bundle-Version: 9.1.0

Export-Package: org.objectweb.asm.tree;version="9.1";uses:="org.objectweb.asm"

Implementation-Title: Tree API of ASM, a very small and fast Java byte code manipulation framework

Implementation-Version: 9.1

Import-Package: org.objectweb.asm;version="[9.1,10)"

Module-Requires: org.objectweb.asm;transitive=true

Found in path(s):

* /opt/cola/permits/1183890441_1627493647.83/0/asm-tree-9-1-jar/META-INF/MANIFEST.MF

1.25 fabric8-:::-kubernetes-model-::- certificates 5.12.1

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* /opt/cola/permits/1340816165_1654860920.0299604/0/kubernetes-model-certificates-5-12-1-sources-jar/META-INF/maven/io.fabric8/kubernetes-model-certificates/pom.xml

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* /opt/cola/permits/1340816165_1654860920.0299604/0/kubernetes-model-certificates-5-12-1-sources-jar/manifest.vm

1.26 apache-avro 1.11.0

1.26.1 Available under license :

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1.27 fabric8-::-kubernetes-model-::-discovery

5.12.1

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* /opt/cola/permits/1340815927_1654860863.8588238/0/kubernetes-model-discovery-5-12-1-sources-jar/META-INF/maven/io.fabric8/kubernetes-model-discovery/pom.xml

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* /opt/cola/permits/1340815927_1654860863.8588238/0/kubernetes-model-discovery-5-12-1-sources-jar/manifest.vm

1.28 jackson-core 2.13.2

1.28.1 Available under license :

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1.29 matchers 4.2.10

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1.30 atomicfu 0.14.1

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1.31 zjsonpatch 0.3.0

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```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>

  <groupId>com.flipkart.zjsonpatch</groupId>
  <artifactId>zjsonpatch</artifactId>
  <version>0.3.0</version>
  <packaging>jar</packaging>

  <name>zjsonpatch</name>
  <description>Java Library to find / apply JSON Patches according to RFC 6902</description>
  <url>https://github.com/flipkart-incubator/zjsonpatch/</url>

  <scm>
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    <developerConnection>scm:git:https://github.com/flipkart-incubator/zjsonpatch.git</developerConnection>
    <tag>HEAD</tag>
    <url>https://github.com/flipkart-incubator/zjsonpatch/</url>
  </scm>

  <developers>
    <developer>
      <id>vishwakarma</id>
      <name>Gopi Vishwakarma</name>
      <email>vishwakarma.iiita@gmail.com</email>
    </developer>
  </developers>

  <licenses>
    <license>
      <name>The Apache Software License, Version 2.0</name>
      <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
      <distribution>repo</distribution>
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  </licenses>

  <properties>
    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
    <jackson.version>2.8.5</jackson.version>
  </properties>

  <build>
    <plugins>
      <plugin>
        <groupId>org.apache.maven.plugins</groupId>
```

```

<artifactId>maven-compiler-plugin</artifactId>
<version>2.3.1</version>
<configuration>
  <source>1.6</source>
  <target>1.6</target>
  <showDeprecation>>true</showDeprecation>
  <showWarnings>>true</showWarnings>
</configuration>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-source-plugin</artifactId>
  <version>2.2.1</version>
  <executions>
    <execution>
      <id>attach-sources</id>
      <goals>
        <goal>jar-no-fork</goal>
      </goals>
    </execution>
  </executions>
</plugin>
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  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-javadoc-plugin</artifactId>
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  <executions>
    <execution>
      <id>attach-javadocs</id>
      <goals>
        <goal>jar</goal>
      </goals>
    </execution>
  </executions>
</plugin>
<plugin>
  <groupId>org.sonatype.plugins</groupId>
  <artifactId>nexus-staging-maven-plugin</artifactId>
  <version>1.6.3</version>
  <extensions>>true</extensions>
  <configuration>
    <serverId>osrh</serverId>
    <nexusUrl>https://oss.sonatype.org/</nexusUrl>
    <autoReleaseAfterClose>>true</autoReleaseAfterClose>
  </configuration>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>

```

```

    <artifactId>maven-gpg-plugin</artifactId>
    <version>1.4</version>
    <executions>
      <execution>
        <id>sign-artifacts</id>
        <phase>verify</phase>
        <goals>
          <goal>sign</goal>
        </goals>
      </execution>
    </executions>
  </plugin>
  <plugin>
    <groupId>org.apache.maven.plugins</groupId>
    <artifactId>maven-release-plugin</artifactId>
    <version>2.5</version>
    <configuration>
      <autoVersionSubmodules>true</autoVersionSubmodules>
      <useReleaseProfile>>false</useReleaseProfile>
      <releaseProfiles>release</releaseProfiles>
      <goals>deploy</goals>
    </configuration>
  </plugin>
</plugins>
</build>
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    <artifactId>jackson-databind</artifactId>
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    <artifactId>jackson-core</artifactId>
    <version>${jackson.version}</version>
  </dependency>
  <dependency>
    <groupId>com.google.guava</groupId>
    <artifactId>guava</artifactId>
    <version>18.0</version>
  </dependency>
  <dependency>
    <scope>test</scope>
    <groupId>commons-io</groupId>
    <artifactId>commons-io</artifactId>
    <version>2.4</version>
  </dependency>
  <dependency>

```

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    <scope>test</scope>
    <groupId>junit</groupId>
    <artifactId>junit</artifactId>
    <version>4.12</version>
  </dependency>
</dependency>
  <groupId>org.apache.commons</groupId>
  <artifactId>commons-collections4</artifactId>
  <version>4.1 </version>
</dependency>
</dependencies>
<distributionManagement>
  <snapshotRepository>
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    <url>https://oss.sonatype.org/content/repositories/snapshots</url>
  </snapshotRepository>
  <repository>
    <id>ossrh</id>
    <url>https://oss.sonatype.org/service/local/staging/deploy/maven2/</url>
  </repository>
</distributionManagement>
</project>

```

Found in path(s):

```

* /opt/cola/permits/1288519755_1647351836.02/0/zjsonpatch-0-3-0-jar/META-
INF/maven/com.flipkart.zjsonpatch/zjsonpatch/pom.xml

```

1.32 kotlin-result 1.1.10

1.32.1 Available under license :

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1.33 brave-instrumentation-kafka-clients

5.13.2

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1.35 flexmark-java-data-utilities 0.62.2

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1.36 jboss-logging 3.4.3.Final

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1.37 jackson-datatype-jdk8 2.13.2

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1.38 apache-zookeeper-jute 3.6.3

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```
* /opt/cola/permits/1340076546_1654762753.2623293/0/zookeeper-jute-3-6-3-jar/META-INF/maven/org.apache.zookeeper/zookeeper-jute/pom.xml
```

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```
/opt/cola/permits/1340076546_1654762753.2623293/0/zookeeper-jute-3-6-3-jar/org/apache/jute/compiler/CGenerator.class: binary file matches  
/opt/cola/permits/1340076546_1654762753.2623293/0/zookeeper-jute-3-6-3-jar/org/apache/jute/compiler/CppGenerator.class: binary file matches  
/opt/cola/permits/1340076546_1654762753.2623293/0/zookeeper-jute-3-6-3-jar/org/apache/jute/compiler/JRecord.class: binary file matches
```

Found in path(s):

```
* /bin/grep
```

1.39 fabric8-::-kubernetes-model-::- autoscaling 5.12.1

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* /opt/cola/permits/1340816291_1654860945.9170408/0/kubernetes-model-autoscaling-5-12-1-sources-jar/META-INF/maven/io.fabric8/kubernetes-model-autoscaling/pom.xml

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* /opt/cola/permits/1340816291_1654860945.9170408/0/kubernetes-model-autoscaling-5-12-1-sources-jar/manifest.vm

1.40 objenesis 3.2

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* /opt/cola/permits/1130987386_1612872111.26/0/failureaccess-1-0-1-sources-  
jar/com/google/common/util/concurrent/internal/InternalFutureFailureAccess.java  
* /opt/cola/permits/1130987386_1612872111.26/0/failureaccess-1-0-1-sources-  
jar/com/google/common/util/concurrent/internal/InternalFutures.java
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1.42 fabric8-:::kubernetes-model-:::api-extensions 5.12.1

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* /opt/cola/permits/1340815613_1654860972.37505/0/kubernetes-model-apiextensions-5-12-1-sources-jar/manifest.vm

1.43 jackson-datatype-jsr310 2.13.2

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1.44 mockito-junit-jupiter 4.0.0

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1.45 jackson-coreutils 2.0

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1.46 brave 5.13.2

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* /opt/cola/permits/1340816468_1654861228.5045307/0/cloudevents-spring-2-2-0-sources-jar/io/cloudevents/spring/messaging/MessageBinaryMessageReader.java
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1.48 flexmark-java-visitor-utilities 0.62.2

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1.49 hikaricp HikariCP-4.0.3

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1.50 brave-instrumentation-rpc-adapters

5.13.2

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1.51 testcontainers-core 1.16.3

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1.52 antlr 4.9.2

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```

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```

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```

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```
*/
```

```
/*
```

```
This file contains the actual layout of the messages emitted by ANTLR.
```

```
This file contains the default format ANTLR uses.
```

```
*/
```

```
location(file, line, column) ::= "<file>:<line>:<column>:"
```

```
message(id, text) ::= "<id> <text>"
```

```
report(location, message, type) ::= "<type><message.id>: <location> <message.text>"
```

```
wantsSingleLineMessage() ::= "false"
```

```
Found in path(s):
```

```
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/tool/templates/messages/formats/antlr.stg
```

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 */
```

```
/** The definitive ANTLR v3 tree grammar to walk/visit ANTLR v4 grammars.
```

```
 * Parses trees created by ANTLRParser.g.
 *
 * Rather than have multiple tree grammars, one for each visit, I'm
 * creating this generic visitor that knows about context. All of the
 * boilerplate pattern recognition is done here. Then, subclasses can
 * override the methods they care about. This prevents a lot of the same
 * context tracking stuff like "set current alternative for current
 * rule node" that is repeated in lots of tree filters.
 */
```

```
tree grammar GrammarTreeVisitor;
options {
language    = Java;
tokenVocab = ANTLRParser;
ASTLabelType = GrammarAST;
}
```

```
// Include the copyright in this source and also the generated source
```

```
@header {  
/*  
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```

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```
*/  
package org.antlr.v4.parse;  
import org.antlr.v4.Tool;  
import org.antlr.v4.tool.*;  
import org.antlr.v4.tool.ast.*;  
import java.lang.reflect.InvocationTargetException;  
import java.lang.reflect.Method;  
}
```

```
@members {  
public String grammarName;  
public GrammarAST currentRuleAST;  
public String currentModeName = LexerGrammar.DEFAULT_MODE_NAME;  
public String currentRuleName;  
public GrammarAST currentOuterAltRoot;  
public int currentOuterAltNumber = 1; // 1..n  
public int rewriteEBNFLevel = 0;  
  
public GrammarTreeVisitor() { this(null); }
```

```

// Should be abstract but can't make gen'd parser abstract;
// subclasses should implement else everything goes to stderr!
public ErrorManager getErrorManager() { return null; }

public void visitGrammar(GrammarAST t) { visit(t, "grammarSpec"); }
public void visit(GrammarAST t, String ruleName) {
    CommonTreeNodeStream nodes = new CommonTreeNodeStream(new GrammarASTAdaptor(), t);
    setTreeNodeStream(nodes);
    try {
        Method m = getClass().getMethod(ruleName);
        m.invoke(this);
    }
    catch (Throwable e) {
        ErrorManager errMgr = getErrorManager();
        if ( e instanceof InvocationTargetException ) {
            e = e.getCause();
        }
        //e.printStackTrace(System.err);
        if ( errMgr==null ) {
            System.err.println("can't find rule "+ruleName+
                " or tree structure error: "+t.toStringTree()
            );
            e.printStackTrace(System.err);
        }
        else errMgr.toolError(ErrorType.INTERNAL_ERROR, e);
    }
}

public void discoverGrammar(GrammarRootAST root, GrammarAST ID) { }
public void finishPrequels(GrammarAST firstPrequel) { }
public void finishGrammar(GrammarRootAST root, GrammarAST ID) { }

public void grammarOption(GrammarAST ID, GrammarAST valueAST) { }
public void ruleOption(GrammarAST ID, GrammarAST valueAST) { }
public void blockOption(GrammarAST ID, GrammarAST valueAST) { }
public void defineToken(GrammarAST ID) { }
public void defineChannel(GrammarAST ID) { }
public void globalNamedAction(GrammarAST scope, GrammarAST ID, ActionAST action) { }
public void importGrammar(GrammarAST label, GrammarAST ID) { }

public void modeDef(GrammarAST m, GrammarAST ID) { }

public void discoverRules(GrammarAST rules) { }
public void finishRules(GrammarAST rule) { }
public void discoverRule(RuleAST rule, GrammarAST ID, List<GrammarAST> modifiers,
    ActionAST arg, ActionAST returns, GrammarAST thrws,
    GrammarAST options, ActionAST locals,
    List<GrammarAST> actions,

```

```

GrammarAST block) { }
public void finishRule(RuleAST rule, GrammarAST ID, GrammarAST block) { }
public void discoverLexerRule(RuleAST rule, GrammarAST ID, List<GrammarAST> modifiers,
    GrammarAST block) { }
public void finishLexerRule(RuleAST rule, GrammarAST ID, GrammarAST block) { }
public void ruleCatch(GrammarAST arg, ActionAST action) { }
public void finallyAction(ActionAST action) { }
public void discoverOuterAlt(AltAST alt) { }
public void finishOuterAlt(AltAST alt) { }
public void discoverAlt(AltAST alt) { }
public void finishAlt(AltAST alt) { }

public void ruleRef(GrammarAST ref, ActionAST arg) { }
public void tokenRef(TerminalAST ref) { }
public void elementOption(GrammarASTWithOptions t, GrammarAST ID, GrammarAST valueAST) { }
public void stringRef(TerminalAST ref) { }
public void wildcardRef(GrammarAST ref) { }
public void actionInAlt(ActionAST action) { }
public void sempredInAlt(PredAST pred) { }
public void label(GrammarAST op, GrammarAST ID, GrammarAST element) { }
public void lexerCallCommand(int outerAltNumber, GrammarAST ID, GrammarAST arg) { }
public void lexerCommand(int outerAltNumber, GrammarAST ID) { }

protected void enterGrammarSpec(GrammarAST tree) { }
protected void exitGrammarSpec(GrammarAST tree) { }

protected void enterPrequelConstructs(GrammarAST tree) { }
protected void exitPrequelConstructs(GrammarAST tree) { }

protected void enterPrequelConstruct(GrammarAST tree) { }
protected void exitPrequelConstruct(GrammarAST tree) { }

protected void enterOptionsSpec(GrammarAST tree) { }
protected void exitOptionsSpec(GrammarAST tree) { }

protected void enterOption(GrammarAST tree) { }
protected void exitOption(GrammarAST tree) { }

protected void enterOptionValue(GrammarAST tree) { }
protected void exitOptionValue(GrammarAST tree) { }

protected void enterDelegateGrammars(GrammarAST tree) { }
protected void exitDelegateGrammars(GrammarAST tree) { }

protected void enterDelegateGrammar(GrammarAST tree) { }
protected void exitDelegateGrammar(GrammarAST tree) { }

protected void enterTokensSpec(GrammarAST tree) { }

```

protected void exitTokensSpec(GrammarAST tree) { }

protected void enterTokenSpec(GrammarAST tree) { }

protected void exitTokenSpec(GrammarAST tree) { }

protected void enterChannelsSpec(GrammarAST tree) { }

protected void exitChannelsSpec(GrammarAST tree) { }

protected void enterChannelSpec(GrammarAST tree) { }

protected void exitChannelSpec(GrammarAST tree) { }

protected void enterAction(GrammarAST tree) { }

protected void exitAction(GrammarAST tree) { }

protected void enterRules(GrammarAST tree) { }

protected void exitRules(GrammarAST tree) { }

protected void enterMode(GrammarAST tree) { }

protected void exitMode(GrammarAST tree) { }

protected void enterLexerRule(GrammarAST tree) { }

protected void exitLexerRule(GrammarAST tree) { }

protected void enterRule(GrammarAST tree) { }

protected void exitRule(GrammarAST tree) { }

protected void enterExceptionGroup(GrammarAST tree) { }

protected void exitExceptionGroup(GrammarAST tree) { }

protected void enterExceptionHandler(GrammarAST tree) { }

protected void exitExceptionHandler(GrammarAST tree) { }

protected void enterFinallyClause(GrammarAST tree) { }

protected void exitFinallyClause(GrammarAST tree) { }

protected void enterLocals(GrammarAST tree) { }

protected void exitLocals(GrammarAST tree) { }

protected void enterRuleReturns(GrammarAST tree) { }

protected void exitRuleReturns(GrammarAST tree) { }

protected void enterThrowsSpec(GrammarAST tree) { }

protected void exitThrowsSpec(GrammarAST tree) { }

protected void enterRuleAction(GrammarAST tree) { }

protected void exitRuleAction(GrammarAST tree) { }

protected void enterRuleModifier(GrammarAST tree) { }

protected void exitRuleModifier(GrammarAST tree) { }

protected void enterLexerRuleBlock(GrammarAST tree) { }

protected void exitLexerRuleBlock(GrammarAST tree) { }

protected void enterRuleBlock(GrammarAST tree) { }

protected void exitRuleBlock(GrammarAST tree) { }

protected void enterLexerOuterAlternative(AltAST tree) { }

protected void exitLexerOuterAlternative(AltAST tree) { }

protected void enterOuterAlternative(AltAST tree) { }

protected void exitOuterAlternative(AltAST tree) { }

protected void enterLexerAlternative(GrammarAST tree) { }

protected void exitLexerAlternative(GrammarAST tree) { }

protected void enterLexerElements(GrammarAST tree) { }

protected void exitLexerElements(GrammarAST tree) { }

protected void enterLexerElement(GrammarAST tree) { }

protected void exitLexerElement(GrammarAST tree) { }

protected void enterLabeledLexerElement(GrammarAST tree) { }

protected void exitLabeledLexerElement(GrammarAST tree) { }

protected void enterLexerBlock(GrammarAST tree) { }

protected void exitLexerBlock(GrammarAST tree) { }

protected void enterLexerAtom(GrammarAST tree) { }

protected void exitLexerAtom(GrammarAST tree) { }

protected void enterActionElement(GrammarAST tree) { }

protected void exitActionElement(GrammarAST tree) { }

protected void enterAlternative(AltAST tree) { }

protected void exitAlternative(AltAST tree) { }

protected void enterLexerCommand(GrammarAST tree) { }

protected void exitLexerCommand(GrammarAST tree) { }

protected void enterLexerCommandExpr(GrammarAST tree) { }

protected void exitLexerCommandExpr(GrammarAST tree) { }

protected void enterElement(GrammarAST tree) { }

protected void exitElement(GrammarAST tree) { }

protected void enterAstOperand(GrammarAST tree) { }

```

protected void exitAstOperand(GrammarAST tree) { }

protected void enterLabeledElement(GrammarAST tree) { }
protected void exitLabeledElement(GrammarAST tree) { }

protected void enterSubrule(GrammarAST tree) { }
protected void exitSubrule(GrammarAST tree) { }

protected void enterLexerSubrule(GrammarAST tree) { }
protected void exitLexerSubrule(GrammarAST tree) { }

protected void enterBlockSuffix(GrammarAST tree) { }
protected void exitBlockSuffix(GrammarAST tree) { }

protected void enterEbnfSuffix(GrammarAST tree) { }
protected void exitEbnfSuffix(GrammarAST tree) { }

protected void enterAtom(GrammarAST tree) { }
protected void exitAtom(GrammarAST tree) { }

protected void enterBlockSet(GrammarAST tree) { }
protected void exitBlockSet(GrammarAST tree) { }

protected void enterSetElement(GrammarAST tree) { }
protected void exitSetElement(GrammarAST tree) { }

protected void enterBlock(GrammarAST tree) { }
protected void exitBlock(GrammarAST tree) { }

protected void enterRuleref(GrammarAST tree) { }
protected void exitRuleref(GrammarAST tree) { }

protected void enterRange(GrammarAST tree) { }
protected void exitRange(GrammarAST tree) { }

protected void enterTerminal(GrammarAST tree) { }
protected void exitTerminal(GrammarAST tree) { }

protected void enterElementOptions(GrammarAST tree) { }
protected void exitElementOptions(GrammarAST tree) { }

protected void enterElementOption(GrammarAST tree) { }
protected void exitElementOption(GrammarAST tree) { }

@Override
public void traceIn(String ruleName, int ruleIndex) {
    System.err.println("enter "+ruleName+": "+input.LT(1));
}

```



```

@Override
public void traceOut(String ruleName, int ruleIndex) {
    System.err.println("exit "+ruleName+": "+input.LT(1));
}
}

grammarSpec
@init {
    enterGrammarSpec($start);
}
@after {
    exitGrammarSpec($start);
}
: ^( GRAMMAR ID {grammarName=$ID.text;}
    {discoverGrammar((GrammarRootAST)$GRAMMAR, $ID);}
    prequelConstructs
    {finishPrequels($prequelConstructs.firstOne);}
    rules mode*
    {finishGrammar((GrammarRootAST)$GRAMMAR, $ID);}
)
;

prequelConstructs returns [GrammarAST firstOne=null]
@init {
    enterPrequelConstructs($start);
}
@after {
    exitPrequelConstructs($start);
}
: {$firstOne=$start;} prequelConstruct+
|
;

prequelConstruct
@init {
    enterPrequelConstructs($start);
}
@after {
    exitPrequelConstructs($start);
}
: optionsSpec
| delegateGrammars
| tokensSpec
| channelsSpec
| action
;

```

```

optionsSpec
@init {
  enterOptionsSpec($start);
}
@after {
  exitOptionsSpec($start);
}
: ^(OPTIONS option*)
;

```

```

option
@init {
  enterOption($start);
  boolean rule = inContext("RULE ...");
  boolean block = inContext("BLOCK ...");
}
@after {
  exitOption($start);
}
: ^(a=ASSIGN ID v=optionValue)
{
  if ( block ) blockOption($ID, $v.start); // most specific first
  else if ( rule ) ruleOption($ID, $v.start);
  else grammarOption($ID, $v.start);
}
;

```

```

optionValue returns [String v]
@init {
  enterOptionValue($start);
  $v = $start.token.getText();
}
@after {
  exitOptionValue($start);
}
: ID
| STRING_LITERAL
| INT
;

```

```

delegateGrammars
@init {
  enterDelegateGrammars($start);
}
@after {
  exitDelegateGrammars($start);
}
: ^(IMPORT delegateGrammar+)

```

```

;

delegateGrammar
@init {
  enterDelegateGrammar($start);
}
@after {
  exitDelegateGrammar($start);
}
: ^(ASSIGN label=ID id=ID) {importGrammar($label, $id);}
| id=ID {importGrammar(null, $id);}
;

```

```

tokensSpec
@init {
  enterTokensSpec($start);
}
@after {
  exitTokensSpec($start);
}
: ^(TOKENS_SPEC tokenSpec+)
;

```

```

tokenSpec
@init {
  enterTokenSpec($start);
}
@after {
  exitTokenSpec($start);
}
: ID {defineToken($ID);}
;

```

```

channelsSpec
@init {
  enterChannelsSpec($start);
}
@after {
  exitChannelsSpec($start);
}
: ^(CHANNELS channelSpec+)
;

```

```

channelSpec
@init {
  enterChannelSpec($start);
}
@after {

```

```

exitChannelSpec($start);
}
: ID {defineChannel($ID);}
;

action
@init {
enterAction($start);
}
@after {
exitAction($start);
}
: ^(AT sc=ID? name=ID ACTION) {globalNamedAction($sc, $name, (ActionAST)$ACTION);}
;

rules
@init {
enterRules($start);
}
@after {
exitRules($start);
}
: ^(RULES {discoverRules($RULES);} (rule|lexerRule)* {finishRules($RULES);})
;

mode
@init {
enterMode($start);
}
@after {
exitMode($start);
}
: ^( MODE ID {currentModeName=$ID.text; modeDef($MODE, $ID);} lexerRule* )
;

lexerRule
@init {
enterLexerRule($start);
List<GrammarAST> mods = new ArrayList<GrammarAST>();
currentOuterAltNumber=0;
}
@after {
exitLexerRule($start);
}
: ^( RULE TOKEN_REF
{currentRuleName=$TOKEN_REF.text; currentRuleAST=$RULE;}
(^(RULEMODIFIERS m=FRAGMENT {mods.add($m);}))?
{discoverLexerRule((RuleAST)$RULE, $TOKEN_REF, mods, (GrammarAST)input.LT(1));})

```

```

lexerRuleBlock
{
finishLexerRule((RuleAST)$RULE, $TOKEN_REF, $lexerRuleBlock.start);
currentRuleName=null; currentRuleAST=null;
}
)
;

rule
@init {
enterRule($start);
List<GrammarAST> mods = new ArrayList<GrammarAST>();
List<GrammarAST> actions = new ArrayList<GrammarAST>(); // track roots
currentOuterAltNumber=0;
}
@after {
exitRule($start);
}
: ^( RULE RULE_REF {currentRuleName=$RULE_REF.text; currentRuleAST=$RULE;}
(^(RULEMODIFIERS (m=ruleModifier{mods.add($m.start);}))+)?
ARG_ACTION?
ret=ruleReturns?
thr=throwsSpec?
loc=locals?
( opts=optionsSpec
| a=ruleAction {actions.add($a.start);}
)*
{discoverRule((RuleAST)$RULE, $RULE_REF, mods, (ActionAST)$ARG_ACTION,
$ret.start!=null?(ActionAST)$ret.start.getChild(0):null,
$thr.start, $opts.start,
$loc.start!=null?(ActionAST)$loc.start.getChild(0):null,
actions, (GrammarAST)input.LT(1));}
ruleBlock exceptionGroup
{finishRule((RuleAST)$RULE, $RULE_REF, $ruleBlock.start); currentRuleName=null; currentRuleAST=null;}
)
;

exceptionGroup
@init {
enterExceptionGroup($start);
}
@after {
exitExceptionGroup($start);
}
: exceptionHandler* finallyClause?
;

exceptionHandler

```

```

@init {
    enterExceptionHandler($start);
}
@after {
    exitExceptionHandler($start);
}
: ^(CATCH ARG_ACTION ACTION) {ruleCatch($ARG_ACTION, (ActionAST)$ACTION);}
;

```

finallyClause

```

@init {
    enterFinallyClause($start);
}
@after {
    exitFinallyClause($start);
}
: ^(FINALLY ACTION) {finallyAction((ActionAST)$ACTION);}
;

```

locals

```

@init {
    enterLocals($start);
}
@after {
    exitLocals($start);
}
: ^(LOCALS ARG_ACTION)
;

```

ruleReturns

```

@init {
    enterRuleReturns($start);
}
@after {
    exitRuleReturns($start);
}
: ^(RETURNS ARG_ACTION)
;

```

throwsSpec

```

@init {
    enterThrowsSpec($start);
}
@after {
    exitThrowsSpec($start);
}
: ^(THROWS ID+)
;

```

```

ruleAction
@init {
  enterRuleAction($start);
}
@after {
  exitRuleAction($start);
}
: ^(AT ID ACTION)
;

```

```

ruleModifier
@init {
  enterRuleModifier($start);
}
@after {
  exitRuleModifier($start);
}
: PUBLIC
| PRIVATE
| PROTECTED
| FRAGMENT
;

```

```

lexerRuleBlock
@init {
  enterLexerRuleBlock($start);
}
@after {
  exitLexerRuleBlock($start);
}
: ^( BLOCK
  ( {
    currentOuterAltRoot = (GrammarAST)input.LT(1);
    currentOuterAltNumber++;
  }
  lexerOuterAlternative
  )+
  )
;

```

```

ruleBlock
@init {
  enterRuleBlock($start);
}
@after {
  exitRuleBlock($start);
}

```

```

: ^( BLOCK
  ( {
    currentOuterAltRoot = (GrammarAST)input.LT(1);
    currentOuterAltNumber++;
  }
  outerAlternative
)+
)
;

```

```

lexerOuterAlternative
@init {
  enterLexerOuterAlternative((AltAST)$start);
  discoverOuterAlt((AltAST)$start);
}
@after {
  finishOuterAlt((AltAST)$start);
  exitLexerOuterAlternative((AltAST)$start);
}
: lexerAlternative
;

```

```

outerAlternative
@init {
  enterOuterAlternative((AltAST)$start);
  discoverOuterAlt((AltAST)$start);
}
@after {
  finishOuterAlt((AltAST)$start);
  exitOuterAlternative((AltAST)$start);
}
: alternative
;

```

```

lexerAlternative
@init {
  enterLexerAlternative($start);
}
@after {
  exitLexerAlternative($start);
}
: ^(LEXER_ALT_ACTION lexerElements lexerCommand+)
  | lexerElements
;

```

```

lexerElements
@init {

```



```

enterLexerElements($start);
}
@after {
exitLexerElements($start);
}
: ^(ALT lexerElement+)
;

```

```

lexerElement
@init {
enterLexerElement($start);
}
@after {
exitLexerElement($start);
}
: labeledLexerElement
| lexerAtom
| lexerSubrule
| ACTION {actionInAlt((ActionAST)$ACTION);}
| SEMPRED {sempredInAlt((PredAST)$SEMPRED);}
| ^(ACTION elementOptions) {actionInAlt((ActionAST)$ACTION);}
| ^(SEMPRED elementOptions) {sempredInAlt((PredAST)$SEMPRED);}
| EPSILON
;

```

```

labeledLexerElement
@init {
enterLabeledLexerElement($start);
}
@after {
exitLabeledLexerElement($start);
}
: ^((ASSIGN|PLUS_ASSIGN) ID (lexerAtom|block))
;

```

```

lexerBlock
@init {
enterLexerBlock($start);
}
@after {
exitLexerBlock($start);
}
: ^(BLOCK optionsSpec? lexerAlternative+)
;

```

```

lexerAtom
@init {
enterLexerAtom($start);
}

```

```

}
@after {
  exitLexerAtom($start);
}
: terminal
| ^(NOT blockSet)
| blockSet
| ^(WILDCARD elementOptions)
| WILDCARD
| LEXER_CHAR_SET
| range
| ruleref
;

```

actionElement

```

@init {
  enterActionElement($start);
}
@after {
  exitActionElement($start);
}
: ACTION
| ^(ACTION elementOptions)
| SEMPRED
| ^(SEMPRED elementOptions)
;

```

alternative

```

@init {
  enterAlternative((AltAST)$start);
  discoverAlt((AltAST)$start);
}
@after {
  finishAlt((AltAST)$start);
  exitAlternative((AltAST)$start);
}
: ^(ALT elementOptions? element+)
| ^(ALT elementOptions? EPSILON)
;

```

lexerCommand

```

@init {
  enterLexerCommand($start);
}
@after {
  exitLexerCommand($start);
}
: ^(LEXER_ACTION_CALL ID lexerCommandExpr)

```

```

        {lexerCallCommand(currentOuterAltNumber, $ID, $lexerCommandExpr.start);}
    | ID
        {lexerCommand(currentOuterAltNumber, $ID);}
    ;

```

lexerCommandExpr

```

@init {
    enterLexerCommandExpr($start);
}
@after {
    exitLexerCommandExpr($start);
}
: ID
| INT
;

```

element

```

@init {
    enterElement($start);
}
@after {
    exitElement($start);
}
: labeledElement
| atom
| subrule
| ACTION    {actionInAlt((ActionAST)$ACTION);}
| SEMPRED   {sempredInAlt((PredAST)$SEMPRED);}
| ^(ACTION elementOptions) {actionInAlt((ActionAST)$ACTION);}
| ^(SEMPRED elementOptions) {sempredInAlt((PredAST)$SEMPRED);}
| range
| ^(NOT blockSet)
| ^(NOT block)
;

```

astOperand

```

@init {
    enterAstOperand($start);
}
@after {
    exitAstOperand($start);
}
: atom
| ^(NOT blockSet)
| ^(NOT block)
;

```

labeledElement

```
@init {
  enterLabeledElement($start);
}
@after {
  exitLabeledElement($start);
}
: ^((ASSIGN|PLUS_ASSIGN) ID element) {label($start, $ID, $element.start);}
;
```

```
subrule
@init {
  enterSubrule($start);
}
@after {
  exitSubrule($start);
}
: ^(blockSuffix block)
| block
;
```

```
lexerSubrule
@init {
  enterLexerSubrule($start);
}
@after {
  exitLexerSubrule($start);
}
: ^(blockSuffix lexerBlock)
| lexerBlock
;
```

```
blockSuffix
@init {
  enterBlockSuffix($start);
}
@after {
  exitBlockSuffix($start);
}
: ebnfSuffix
;
```

```
ebnfSuffix
@init {
  enterEbnfSuffix($start);
}
@after {
  exitEbnfSuffix($start);
}
```

```
: OPTIONAL
| CLOSURE
| POSITIVE_CLOSURE
;
```

atom

```
@init {
  enterAtom($start);
}
@after {
  exitAtom($start);
}
: ^(DOT ID terminal)
| ^(DOT ID ruleref)
| ^(WILDCARD elementOptions) {wildcardRef($WILDCARD);}
| WILDCARD {wildcardRef($WILDCARD);}
| terminal
| blockSet
| ruleref
;
```

blockSet

```
@init {
  enterBlockSet($start);
}
@after {
  exitBlockSet($start);
}
: ^(SET setElement+)
;
```

setElement

```
@init {
  enterSetElement($start);
}
@after {
  exitSetElement($start);
}
: ^(STRING_LITERAL elementOptions) {stringRef((TerminalAST)$STRING_LITERAL);}
| ^(TOKEN_REF elementOptions) {tokenRef((TerminalAST)$TOKEN_REF);}
| STRING_LITERAL {stringRef((TerminalAST)$STRING_LITERAL);}
| TOKEN_REF {tokenRef((TerminalAST)$TOKEN_REF);}
| ^(RANGE a=STRING_LITERAL b=STRING_LITERAL)
{
  stringRef((TerminalAST)$a);
  stringRef((TerminalAST)$b);
}
| LEXER_CHAR_SET
```

```

;

block
@init {
  enterBlock($start);
}
@after {
  exitBlock($start);
}
: ^(BLOCK optionsSpec? ruleAction* ACTION? alternative+)
;

ruleref
@init {
  enterRuleref($start);
}
@after {
  exitRuleref($start);
}
: ^(RULE_REF arg=ARG_ACTION? elementOptions?)
  {
    ruleRef($RULE_REF, (ActionAST)$ARG_ACTION);
    if ( $arg!=null ) actionInAlt((ActionAST)$arg);
  }
;

range
@init {
  enterRange($start);
}
@after {
  exitRange($start);
}
: ^(RANGE STRING_LITERAL STRING_LITERAL)
;

terminal
@init {
  enterTerminal($start);
}
@after {
  exitTerminal($start);
}
: ^(STRING_LITERAL elementOptions)
  {stringRef((TerminalAST)$STRING_LITERAL);}
| STRING_LITERAL {stringRef((TerminalAST)$STRING_LITERAL);}
| ^(TOKEN_REF elementOptions) {tokenRef((TerminalAST)$TOKEN_REF);}
| TOKEN_REF {tokenRef((TerminalAST)$TOKEN_REF);}

```

```

;

elementOptions
@init {
  enterElementOptions($start);
}
@after {
  exitElementOptions($start);
}
: ^(ELEMENT_OPTIONS elementOption[(GrammarASTWithOptions)$start.getParent()]*);
;

```

```

elementOption[GrammarASTWithOptions t]
@init {
  enterElementOption($start);
}
@after {
  exitElementOption($start);
}
: ID { elementOption(t, $ID, null);}
| ^(ASSIGN id=ID v=ID) { elementOption(t, $id, $v);}
| ^(ASSIGN ID v=STRING_LITERAL) { elementOption(t, $ID, $v);}
| ^(ASSIGN ID v=ACTION) { elementOption(t, $ID, $v);}
| ^(ASSIGN ID v=INT) { elementOption(t, $ID, $v);}
;

```

Found in path(s):

* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/parse/GrammarTreeVisitor.g

No license file was found, but licenses were detected in source scan.

```

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*/

```

```

/** ANTLR tool checks output templates are compatible with tool code generation.
* For now, a simple string match used on x.y of x.y.z scheme.
* Must match Tool.VERSION during load to templates.
*
* REQUIRED.
*/

```

```

pythonTypeInitMap ::= [
  "bool":"False",
  "int":"0",
  "float":"0.0",
  "str": "",
  default:"None" // anything other than a primitive type is an object
]

```

```

// args must be <object-model-object>, <fields-resulting-in-STs>

```

```

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
# encoding: utf-8
from antlr4 import *
from io import StringIO
import sys
if sys.version_info[1] > 5:
  from typing import TextIO
else:
  from typing.io import TextIO

<namedActions.header>
<parser>

>>

```

```

ListenerFile(file, header, namedActions) ::= <<

```



```

<fileHeader(file.grammarFileName, file.ANTLRVersion)>
from antlr4 import *
if __name__ is not None and "." in __name__:
    from .<file.parserName> import <file.parserName>
else:
    from <file.parserName> import <file.parserName>
<header>

# This class defines a complete listener for a parse tree produced by <file.parserName>.
class <file.grammarName>Listener(ParseTreeListener):

    <file.listenerNames: {lname |
# Enter a parse tree produced by <file.parserName>#<lname>.
def enter<lname; format="cap">(self, ctx:<file.parserName>.<lname; format="cap">Context):
    pass

# Exit a parse tree produced by <file.parserName>#<lname>.
def exit<lname; format="cap">(self, ctx:<file.parserName>.<lname; format="cap">Context):
    pass

}; separator="\n">

del <file.parserName>
>>

```

```

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
from antlr4 import *
if __name__ is not None and "." in __name__:
    from .<file.parserName> import <file.parserName>
else:
    from <file.parserName> import <file.parserName>
<header>

# This class defines a complete generic visitor for a parse tree produced by <file.parserName>.

class <file.grammarName>Visitor(ParseTreeVisitor):

    <file.visitorNames: {lname |
# Visit a parse tree produced by <file.parserName>#<lname>.
def visit<lname; format="cap">(self, ctx:<file.parserName>.<lname; format="cap">Context):
    return self.visitChildren(ctx)

}; separator="\n">

del <file.parserName>
>>

```

```

fileHeader(grammarFileName, ANTLRVersion) ::= <<
# Generated from <grammarFileName> by ANTLR <ANTLRVersion>
>>

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
<if(superClass)>
if __name__ is not None and "." in __name__:
    from .<superClass> import <superClass>
else:
    from <superClass> import <superClass>

<endif>
<atn>

class <parser.name> ( <if(superClass)><superClass><else>Parser<endif> ):

    grammarFileName = "<parser.grammarFileName>"

    atn = ATNDeserializer().deserialize(serializedATN())

    decisionsToDFA = [ DFA(ds, i) for i, ds in enumerate(atn.decisionToState) ]

    sharedContextCache = PredictionContextCache()

    literalNames = [ <parser.literalNames:{t | <t>}; null="\\"<INVALID>\\"", separator=", ", wrap, anchor> ]

    symbolicNames = [ <parser.symbolicNames:{t | <t>}; null="\\"<INVALID>\\"", separator=", ", wrap, anchor> ]

    <if(parser.rules)>
    <parser.rules:{r | RULE_<r.name> = <r.index>}; separator="\n", wrap, anchor>
    <endif>

    ruleNames = [ <parser.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor> ]

    EOF = <TokenLabelType>.EOF

    <if(parser.tokens)>
    <parser.tokens:{k | <k>=<parser.tokens.(k)>}; separator="\n", wrap, anchor>
    <endif>

    <parser:(ctor)()>

    <namedActions.members>

```

```

<funcs; separator="\n">

<if(sempredFuncs)>
  def sempred(self, localctx:RuleContext, ruleIndex:int, predIndex:int):
    if self._predicates == None:
      self._predicates = dict()
<parser.sempredFuncs.values: { f |
  self._predicates[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n    ">
  pred = self._predicates.get(ruleIndex, None)
  if pred is None:
    raise Exception("No predicate with index:" + str(ruleIndex))
  else:
    return pred(localctx, predIndex)

  <sempredFuncs.values; separator="\n">
<endif>

>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
def action(self, localctx:RuleContext, ruleIndex:int, actionIndex:int):
  if self._actions is None:
    actions = dict()
<recog.actionFuncs.values: { f |
  actions[<f.ruleIndex>] = self.<f.name>_action }; separator="\n">
  self._actions = actions
  action = self._actions.get(ruleIndex, None)
  if action is not None:
    action(localctx, actionIndex)
  else:
    raise Exception("No registered action for:" + str(ruleIndex))

<actionFuncs.values; separator="\n">

<endif>
<if(sempredFuncs)>
def sempred(self, localctx:RuleContext, ruleIndex:int, predIndex:int):
  if self._predicates is None:
    preds = dict()
<recog.sempredFuncs.values: { f |
  preds[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n">
  self._predicates = preds
  pred = self._predicates.get(ruleIndex, None)

```

```

if pred is not None:
    return pred(localctx, predIndex)
else:
    raise Exception("No registered predicate for:" + str(ruleIndex))

<sempredFuncs.values; separator="\n">
<endif>
>>

parser_ctor(p) ::= <<
def __init__(self, input:TokenStream, output:TextIO = sys.stdout):
    super().__init__(input, output)
    self.checkVersion("<file.ANTLRVersion>")
    self._interp = ParserATNSimulator(self, self.atn, self.decisionsToDFA, self.sharedContextCache)
    self._predicates = None

>>

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleActionFunction(r, actions) ::= <<

def <r.name>_action(self, localctx:<r.ctxType> , actionIndex:int):
<actions:{index|
<if(first(actions))>
    if actionIndex == <index>:
        <actions.(index)>
<elseif(rest(actions))>
    elif actionIndex == <index>:
        <actions.(index)>
<endif> }; separator="\n">
>>

/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleSempredFunction(r, actions) ::= <<
def <r.name>_sempred(self, localctx:<r.ctxType>, predIndex:int):
    <actions:{index|
<if(first(actions))>
    if predIndex == <index>:
        return <actions.(index)>
<elseif(rest(actions))>
    elif predIndex == <index>:
        return <actions.(index)>
<endif> }; separator="\n">

```

>>

```
RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions) ::= <<
```

```
<ruleCtx>
```

```
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">
```

```
def <currentRule.name>(self<currentRule.args:{a | , <a.name><if(a.type)>:<a.type><endif>}>):
```

```
    localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, self.state<currentRule.args:{a | , <a.name>}>)
```

```
    self.enterRule(localctx, <currentRule.startState>, self.RULE_<currentRule.name>)
```

```
    <namedActions.init>
```

```
    <locals; separator="\n">
```

```
    try:
```

```
        <code>
```

```
        <postamble; separator="\n">
```

```
        <namedActions.after>
```

```
    <if(exceptions)>
```

```
    <exceptions; separator="\n">
```

```
    <else>
```

```
    except RecognitionException as re:
```

```
        localctx.exception = re
```

```
        self._errHandler.reportError(self, re)
```

```
        self._errHandler.recover(self, re)
```

```
    <endif>
```

```
    finally:
```

```
        <finallyAction>
```

```
        self.exitRule()
```

```
    return localctx
```

>>

```
LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs, namedActions,finallyAction,postamble) ::=
```

```
<<
```

```
<ruleCtx>
```

```
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">
```

```
def <currentRule.name>(self, _p:int=0<if(currentRule.args)>, <args:{a | , <a>}><endif>):
```

```
    _parentctx = self._ctx
```

```
    _parentState = self.state
```

```
    localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, _parentState<args:{a | , <a.name>}>)
```

```
    _prevctx = localctx
```

```
    _startState = <currentRule.startState>
```

```
    self.enterRecursionRule(localctx, <currentRule.startState>, self.RULE_<currentRule.name>, _p)
```

```

<namedActions.init>
<locals; separator="\n">
try:
  <code>
  <postamble; separator="\n">
  <namedActions.after>
except RecognitionException as re:
  localctx.exception = re
  self._errHandler.reportError(self, re)
  self._errHandler.recover(self, re)
finally:
  <finallyAction>
  self.unrollRecursionContexts(_parentctx)
return localctx

>>

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>localctx = <parser.name>.<currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(self, localctx)<endif>
self.enterOuterAlt(localctx, <currentOuterMostAltCodeBlock.alt.altNum>)
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
>>

LL1AltBlock(choice, preamble, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
token = self._input.LA(1)
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  pass}; separator="\n1">
else:
  <error>

>>

LL1OptionalBlock(choice, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
token = self._input.LA(1)

```

```

<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  pass }; separator="\n">
else:
  pass
>>

```

```

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<preamble; separator="\n">
if <expr>:
  <alts; separator="\n">

<!else if ( !(<followExpr> ) <error!>
>>

```

```

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<preamble; separator="\n">
while <loopExpr>:
  <alts; separator="\n">
  self.state = <choice.loopBackStateNumber>
  self._errHandler.sync(self)
  <iteration>

>>

```

```

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
self.state = <choice.blockStartStateNumber> <! alt block decision !>
self._errHandler.sync(self)
<preamble; separator="\n">
while True:
  <alts; separator="\n">
  self.state = <choice.stateNumber> <! loopback/exit decision !>
  self._errHandler.sync(self)
  <iteration>
  if not (<loopExpr>):
    break

>>

```

```

// LL(*) stuff

```

```

AltBlock(choice, preamble, alts, error) ::= <<
self.state = <choice.stateNumber>

```

```

self._errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
<alts:{ alt |
if la_ == <i>:
    <alt>
    pass
}; separator="\nel">

>>

```

```

OptionalBlock(choice, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
<alts:{ alt |
if la_ == <i><if(!choice.ast.greedy)>+1<endif>:
    <alt>
}; separator="\nel">

>>

```

```

StarBlock(choice, alts, sync, iteration) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
_alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
while _alt!=<choice.exitAlt> and _alt!=ATN.INVALID_ALT_NUMBER:
    if _alt==1<if(!choice.ast.greedy)>+1<endif>:
        <iteration>
        <alts> <! should only be one !>
    self.state = <choice.loopBackStateNumber>
    self._errHandler.sync(self)
    _alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)

>>

```

```

PlusBlock(choice, alts, error) ::= <<
self.state = <choice.blockStartStateNumber> <! alt block decision !>
self._errHandler.sync(self)
_alt = 1<if(!choice.ast.greedy)>+1<endif>
while _alt!=<choice.exitAlt> and _alt!=ATN.INVALID_ALT_NUMBER:
    <alts:{ alt|
if _alt == <i><if(!choice.ast.greedy)>+1<endif>:
    <alt>
}; separator="\nel">
else:
    <error>

```



```

self.state = <choice.loopBackStateNumber> <! loopback/exit decision !>
self._errHandler.sync(self)
_alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)

>>

Sync(s) ::= "sync(<s.expecting.name>)"

ThrowNoViableAlt(t) ::= "raise NoViableAltException(self)"

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>} ; separator=" or ">
>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShiftVar(s.varName, bits.shift)>})> and ((1 <|< <offsetShiftVar(s.varName,
bits.shift)>) & (<bits.ttypes:{ttype | (1 <|< <offsetShiftType(ttype, bits.shift)>)}); separator=" | ">)) != 0)
%>

isZero ::= [
"0":true,
default:false
]

offsetShiftVar(shiftAmount, offset) ::= <%
<if(!isZero.(offset))><shiftAmount> - <offset><else><shiftAmount><endif>
%>

offsetShiftType(shiftAmount, offset) ::= <%
<if(!isZero.(offset))><parser.name>.<shiftAmount> - <offset><else><parser.name>.<shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ttype | <s.varName>==<parser.name>.<ttype>} ; separator=" or ">
%>

cases(ttypes) ::= <<
if token in [<ttypes:{t | <parser.name>.<t>} ; separator=", ">]:
>>

```

```

InvokeRule(r, argExprsChunks) ::= <<
self.state = <r.stateNumber>
<if(r.labels)><r.labels:{1 | <labelref(l)> =
}><endif>self.<r.name>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprsChu
nks>)
>>

```

```

MatchToken(m) ::= <<
self.state = <m.stateNumber>
<if(m.labels)><m.labels:{1 | <labelref(l)> = }><endif>self.match(<parser.name>.<m.name>)
>>

```

```

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

```

```

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

```

```

CommonSetStuff(m, expr, capture, invert) ::= <<
self.state = <m.stateNumber>
<if(m.labels)><m.labels:{1 | <labelref(l)> = }>self._input.LT(1)<endif>
<capture>
<if(invert)>if <m.varName> \<= 0 or <expr><else>if not(<expr>)<endif>:
<if(m.labels)><m.labels:{1 | <labelref(l)> = }><else> <endif>self._errHandler.recoverInline(self)
else:
    self._errHandler.reportMatch(self)
    self.consume()
>>

```

```

Wildcard(w) ::= <<
self.state = <w.stateNumber>
<if(w.labels)><w.labels:{1 | <labelref(l)> = }><endif>self.matchWildcard()
>>

```

```

// ACTION STUFF

```

```

Action(a, foo, chunks) ::= "<chunks>"

```

```

ArgAction(a, chunks) ::= "<chunks>"

```

```

SemPred(p, chunks, failChunks) ::= <<
self.state = <p.stateNumber>
if not <chunks>:
    from antlr4.error.Errors import FailedPredicateException
    raise FailedPredicateException(self, <p.predicate><if(failChunks)>,<failChunks><elseif(p.msg)>,<p.msg><endif>)
>>

```

```

ExceptionClause(e, catchArg, catchAction) ::= <<
except <catchArg>:

```

```

    <catchAction>
  >>

  // lexer actions are not associated with model objects

  LexerSkipCommand() ::= "skip()"
  LexerMoreCommand() ::= "more()"
  LexerPopModeCommand() ::= "popMode()"

  LexerTypeCommand(arg, grammar) ::= "_type = <arg>"
  LexerChannelCommand(arg, grammar) ::= "_channel = <arg>"
  LexerModeCommand(arg, grammar) ::= "_mode = <arg>"
  LexerPushModeCommand(arg, grammar) ::= "pushMode(<arg>)"

  ActionText(t) ::= "<t.text>"
  ActionTemplate(t) ::= "<t.st>"
  ArgRef(a) ::= "localctx.<a.name>"
  LocalRef(a) ::= "localctx.<a.name>"
  RefValueRef(a) ::= "localctx.<a.name>"
  QRefValueRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"
  /** How to translate $tokenLabel */
  TokenRef(t) ::= "<ctx(t)>.<t.name>"
  LabelRef(t) ::= "<ctx(t)>.<t.name>"
  ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"
  SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>"

  TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
  InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

  TokenPropertyRef_text(t) ::= "(None if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.text)"
  TokenPropertyRef_type(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.type)"
  TokenPropertyRef_line(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.line)"
  TokenPropertyRef_pos(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.column)"
  TokenPropertyRef_channel(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.channel)"
  TokenPropertyRef_index(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.tokenIndex)"
  TokenPropertyRef_int(t) ::= "(0 if <ctx(t)>.<t.label> is None else int(<ctx(t)>.<t.label>.text))"

  RulePropertyRef_start(r) ::= "(None if <ctx(r)>.<r.label> is None else <ctx(r)>.<r.label>.start)"
  RulePropertyRef_stop(r) ::= "(None if <ctx(r)>.<r.label> is None else <ctx(r)>.<r.label>.stop)"
  RulePropertyRef_text(r) ::= "(None if <ctx(r)>.<r.label> is None else
self._input.getText(<ctx(r)>.<r.label>.start,<ctx(r)>.<r.label>.stop))"
  RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
  RulePropertyRef_parser(r) ::= "self"

  ThisRulePropertyRef_start(r) ::= "localctx.start"
  ThisRulePropertyRef_stop(r) ::= "localctx.stop"
  ThisRulePropertyRef_text(r) ::= "self._input.getText(localctx.start, self._input.LT(-1))"
  ThisRulePropertyRef_ctx(r) ::= "localctx"

```

```

ThisRulePropertyRef_parser(r) ::= "self"

NonLocalAttrRef(s) ::= "self.getInvokingContext(<s.ruleIndex>).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::= "self.getInvokingContext(<s.ruleIndex>).<s.name> = <rhsChunks>"

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.append(<labelref(a.label)>)"

TokenDecl(t) ::= "self.<t.name> = None # <TokenLabelType()>"
TokenTypeDecl(t) ::= "self.<t.name> = 0 # <TokenLabelType()> type"
TokenListDecl(t) ::= "self.<t.name> = list() # of <TokenLabelType()>s"
RuleContextDecl(r) ::= "self.<r.name> = None # <r.ctxName>"
RuleContextListDecl(rdecl) ::= "self.<rdecl.name> = list() # of <rdecl.ctxName>s"

ContextTokenGetterDecl(t) ::= <<
def <t.name>(self):
    return self.getToken(<parser.name>.<t.name>, 0)
>>

// should never be called
ContextTokenListGetterDecl(t) ::= <<
def <t.name>_list(self):
    return self.getTokens(<parser.name>.<t.name>)
>>

ContextTokenListIndexedGetterDecl(t) ::= <<
def <t.name>(self, i:int=None):
    if i is None:
        return self.getTokens(<parser.name>.<t.name>)
    else:
        return self.getToken(<parser.name>.<t.name>, i)
>>

ContextRuleGetterDecl(r) ::= <<
def <r.name>(self):
    return self.getTypedRuleContext(<parser.name>.<r.ctxName>,0)

>>

// should never be called
ContextRuleListGetterDecl(r) ::= <<
def <r.name>_list(self):
    return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)

>>

ContextRuleListIndexedGetterDecl(r) ::= <<
def <r.name>(self, i:int=None):
    if i is None:

```

```

    return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)
  else:
    return self.getTypedRuleContext(<parser.name>.<r.ctxName>,i)

>>

LexerRuleContext() ::= "RuleContext"

/** The rule context name is the rule followed by a suffix; e.g.,
 * r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "_<tokenName>"
ImplicitRuleLabel(ruleName) ::= "_<ruleName>"
ImplicitSetLabel(id) ::= "_tset<id>"
ListLabelName(label) ::= "<label>"

CaptureNextToken(d) ::= "<d.varName> = self._input.LT(1)"
CaptureNextTokenType(d) ::= "<d.varName> = self._input.LA(1)"

StructDecl(struct,ctorAttrs,attrs, getters,dispatchMethods,interfaces,extensionMembers) ::= <<
class <struct.name>(<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif>):
  __slots__ = 'parser'

  def __init__(self, parser, parent:ParserRuleContext=None, invokingState:int=-1<struct.ctorAttrs:{ a | ,
<a.name><if(a.type)>:<a.type><endif>=None }):
    super().__init__(parent, invokingState)
    self.parser = parser
    <attrs:{ a | <a> }; separator="\n">
    <struct.ctorAttrs:{ a | self.<a.name> = <a.name> }; separator="\n">

    <getters:{ g | <g> }; separator="\n\n">

  def getRuleIndex(self):
    return <parser.name>.RULE_<struct.derivedFromName>

<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
  def copyFrom(self, ctx:ParserRuleContext):
    super().copyFrom(ctx)
    <struct.attrs:{ a | self.<a.name> = ctx.<a.name> }; separator="\n">

<endif>
  <dispatchMethods; separator="\n">
  <extensionMembers; separator="\n">

>>

```

```

AltLabelStructDecl(struct,attrs, getters,dispatchMethods) ::= <<
class <struct.name>(<currentRule.name; format="cap">Context):

    def __init__(self, parser, ctx:ParserRuleContext): # actually a <parser.name>.<currentRule.name;
format="cap">Context
        super().__init__(parser)
        <attrs:{a | <a>}; separator="\n">
        self.copyFrom(ctx)

        <getters:{g | <g>}; separator="\n">

        <dispatchMethods; separator="\n">

>>

ListenerDispatchMethod(method) ::= <<
def <if(method.isEnter)>enter<else>exit<endif>Rule(self, listener:ParseTreeListener):
    if hasattr( listener, "<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">" ):
        listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">(self)

>>

VisitorDispatchMethod(method) ::= <<
def accept(self, visitor:ParseTreeVisitor):
    if hasattr( visitor, "visit<struct.derivedFromName; format="cap">" ):
        return visitor.visit<struct.derivedFromName; format="cap">(self)
    else:
        return visitor.visitChildren(self)

>>

AttributeDecl(d) ::= "self.<d.name> = <if(d.initValue)><d.initValue><else>None<endif>"

/** If we don't know location of label def x, use this template */
labelref(x) ::= "<if(!x.isLocal)>localctx.<endif><x.name>"

/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "localctx"

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "self.precpred(self._ctx, <opPrec>)"
recRuleSetReturnAction(src,name) ::= "$<name>=<src>.<name>"
recRuleSetStopToken() ::= "self._ctx.stop = self._input.LT(-1)"

recRuleAltStartAction(ruleName, ctxName, label) ::= <<
localctx = <parser.name>.<ctxName>Context(self, _parentctx, _parentState)
<if(label)>localctx.<label> = _prevctx<endif>
self.pushNewRecursionContext(localctx, _startState, self.RULE_<ruleName>)

```

```
>>
```

```
recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<  
localctx = <parser.name>.<currentAltLabel; format="cap">Context(self, <parser.name>.<ruleName;  
format="cap">Context(self, _parentctx, _parentState))  
<if(label)>  
<if(isListLabel)>  
localctx.<label>.append(_prevctx)  
<else>  
localctx.<label> = _prevctx  
<endif>  
<endif>  
self.pushNewRecursionContext(localctx, _startState, self.RULE_<ruleName>)  
>>
```

```
recRuleReplaceContext(ctxName) ::= <<  
localctx = <parser.name>.<ctxName>Context(self, localctx)  
self._ctx = localctx  
_prevctx = localctx  
>>
```

```
recRuleSetPrevCtx() ::= <<  
if self._parseListeners is not None:  
    self.triggerExitRuleEvent()  
_prevctx = localctx  
>>
```

```
LexerFile(lexerFile, lexer, namedActions) ::= <<  
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>  
from antlr4 import *  
from io import StringIO  
import sys  
if sys.version_info[1] > 5:  
    from typing import TextIO  
else:  
    from typing.io import TextIO  
  
<namedActions.header>  
  
<lexer>  
>>
```

```
Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<  
<if(superClass)>  
if __name__ is not None and "." in __name__:  
    from .<superClass> import <superClass>  
else:
```

```

from <superClass> import <superClass>

<endif>
<atn>

class <lexer.name>(<if(superClass)><superClass><else>Lexer<endif>):

    atn = ATNDeserializer().deserialize(serializedATN())

    decisionsToDFA = [ DFA(ds, i) for i, ds in enumerate(atn.decisionToState) ]

    <if(lexer.channels)>
        <lexer.channels:{c| <c> = <lexer.channels.(c)>}; separator="\n">

    <endif>
    <if(rest(lexer.modes)>
        <rest(lexer.modes):{m| <m> = <i>}; separator="\n">

    <endif>
    <if(lexer.tokens)>
        <lexer.tokens:{k | <k> = <lexer.tokens.(k)>}; separator="\n", wrap, anchor>
    <endif>

    channelNames = [ u"DEFAULT_TOKEN_CHANNEL", u"HIDDEN"<if (lexer.channels)>, <lexer.channels:{c|
u"<c>"}; separator=", ", wrap, anchor><endif> ]

    modeNames = [ <lexer.modes:{m| "<m>"}; separator=", ", wrap, anchor> ]

    literalNames = [ "\<INVALID>",
        <lexer.literalNames:{t | <t>}; separator=", ", wrap, anchor> ]

    symbolicNames = [ "\<INVALID>",
        <lexer.symbolicNames:{t | <t>}; separator=", ", wrap, anchor> ]

    ruleNames = [ <lexer.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor> ]

    grammarFileName = "<lexer.grammarFileName>"

    def __init__(self, input=None, output:TextIO = sys.stdout):
        super().__init__(input, output)
        self.checkVersion("<lexerFile.ANTLRVersion>")
        self._interp = LexerATNSimulator(self, self.atn, self.decisionsToDFA, PredictionContextCache())
        self._actions = None
        self._predicates = None

    <namedActions.members>

    <dumpActions(lexer, "", actionFuncs, sempredFuncs)>

```



```
>>
```

```
SerializedATN(model) ::= <<  
<! only one segment, can be inlined !>
```

```
def serializedATN():  
    with StringIO() as buf:  
        buf.write("<model.serialized; wrap={ }<\n>    buf.write(" }>")  
        return buf.getvalue()
```

```
>>
```

```
/** Using a type to init value map, try to init a type; if not in table  
 * must be an object, default value is "null".
```

```
*/
```

```
initValue(typeName) ::= <<  
<pythonTypeInitMap.(typeName)>
```

```
>>
```

```
codeFileExtension() ::= ".py"
```

```
Found in path(s):
```

```
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-  
jar/org/antlr/v4/tool/templates/codegen/Python3/Python3.stg
```

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```

```
/*
```

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```

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*
```

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*/

```

```

/** Find left-recursive rules */

```

```

tree grammar LeftRecursiveRuleWalker;

```

```

options {
    tokenVocab=ANTLRParser;
    ASTLabelType=GrammarAST;
}

```

```

@header {
package org.antlr.v4.parse;

```

```

import org.antlr.v4.misc.*;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
}

```

```

@members {
private String ruleName;
private int currentOuterAltNumber; // which outer alt of rule?
public int numAlts; // how many alts for this rule total?

```

```

public void setAltAssoc(AltAST altTree, int alt) {}
public void binaryAlt(AltAST altTree, int alt) {}
public void prefixAlt(AltAST altTree, int alt) {}
public void suffixAlt(AltAST altTree, int alt) {}
public void otherAlt(AltAST altTree, int alt) {}
public void setReturnValues(GrammarAST t) {}
}

```

```

@rulecatch { }

```

```

// TODO: can get parser errors for not matching pattern; make them go away

```

```

public
rec_rule returns [boolean isLeftRec]
@init
{
    currentOuterAltNumber = 1;
}
: ^( r=RULE id=RULE_REF {ruleName=$id.getText();}

```

```

ruleModifier?
// (ARG_ACTION)? shouldn't allow args, right?
^(RETURNS a=ARG_ACTION {setReturnValues($a;)}))?
// (^(THROWS .+)? don't allow
  (^(LOCALS ARG_ACTION) )? // TODO: copy these to gen'd code
  (^(OPTIONS .*)
  | ^(AT ID ACTION) // TODO: copy
  )*)
ruleBlock { $isLeftRec = $ruleBlock.isLeftRec;}
exceptionGroup
)
;

exceptionGroup
: exceptionHandler* finallyClause?
;

exceptionHandler
: ^(CATCH ARG_ACTION ACTION)
;

finallyClause
: ^(FINALLY ACTION)
;

ruleModifier
: PUBLIC
| PRIVATE
| PROTECTED
;

ruleBlock returns [boolean isLeftRec]
@init{boolean lr=false; this.numAlts = $start.getChildCount();}
: ^( BLOCK
(
o=outerAlternative
{if ($o.isLeftRec) $isLeftRec = true;}
{currentOuterAltNumber++;}
)+
)
;

/** An alt is either prefix, suffix, binary, or ternary operation or "other" */
outerAlternative returns [boolean isLeftRec]
: (binary)=>      binary
                {binaryAlt((AltAST)$start, currentOuterAltNumber); $isLeftRec=true;}
| (prefix)=>      prefix
                {prefixAlt((AltAST)$start, currentOuterAltNumber);}

```

```

| (suffix)=>      suffix
                  {suffixAlt((AltAST)$start, currentOuterAltNumber); $isLeftRec=true;}
| nonLeftRecur   {otherAlt((AltAST)$start, currentOuterAltNumber);}
;

binary
: ^( ALT elementOptions? recurse element* recurse epsilonElement* )
  {setAltAssoc((AltAST)$ALT,currentOuterAltNumber);}
;

prefix
: ^( ALT elementOptions?
  element+
  recurse epsilonElement*
  )
  {setAltAssoc((AltAST)$ALT,currentOuterAltNumber);}
;

suffix
: ^( ALT elementOptions? recurse element+ )
  {setAltAssoc((AltAST)$ALT,currentOuterAltNumber);}
;

nonLeftRecur
: ^(ALT elementOptions? element+)
;

recurse
: ^(ASSIGN ID recurseNoLabel)
| ^(PLUS_ASSIGN ID recurseNoLabel)
| recurseNoLabel
;

recurseNoLabel : {((CommonTree)input.LT(1)).getText().equals(ruleName)}? RULE_REF;

token returns [GrammarAST t=null]
: ^(ASSIGN ID s=token {$t = $s.t;})
| ^(PLUS_ASSIGN ID s=token {$t = $s.t;})
| b=STRING_LITERAL      {$t = $b;}
| ^(b=STRING_LITERAL elementOptions) {$t = $b;}
| ^(c=TOKEN_REF elementOptions) {$t = $c;}
| c=TOKEN_REF           {$t = $c;}
;

elementOptions
: ^(ELEMENT_OPTIONS elementOption*)
;

```

elementOption

```
: ID
| ^(ASSIGN ID ID)
| ^(ASSIGN ID STRING_LITERAL)
| ^(ASSIGN ID ACTION)
| ^(ASSIGN ID INT)
;
```

element

```
: atom
| ^(NOT element)
| ^(RANGE atom atom)
| ^(ASSIGN ID element)
| ^(PLUS_ASSIGN ID element)
| ^(SET setElement+)
| RULE_REF
| ebnf
| epsilonElement
;
```

epsilonElement

```
: ACTION
| SEMPRED
| EPSILON
| ^(ACTION elementOptions)
| ^(SEMPRED elementOptions)
;
```

setElement

```
: ^(STRING_LITERAL elementOptions)
| ^(TOKEN_REF elementOptions)
| STRING_LITERAL
| TOKEN_REF
;
```

ebnf: block

```
| ^( OPTIONAL block )
| ^( CLOSURE block )
| ^( POSITIVE_CLOSURE block )
;
```

block

```
: ^(BLOCK ACTION? alternative+)
;
```

alternative

```
: ^(ALT elementOptions? element+)
;
```

```
atom
: ^(RULE_REF ARG_ACTION? elementOptions?)
| ^(STRING_LITERAL elementOptions)
| STRING_LITERAL
| ^(TOKEN_REF elementOptions)
| TOKEN_REF
| ^(WILDCARD elementOptions)
| WILDCARD
| ^(DOT ID element)
;
```

Found in path(s):

* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/parse/LeftRecursiveRuleWalker.g

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* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/parse/ANTLRParser.g

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- */

```
dartTypeInitMap ::= [
  "int": "0",
  "double": "0.0",
  "bool": "false",
  default: "null" // anything other than a primitive type is an object
]
```

```
// args must be <object-model-object>, <fields-resulting-in-STs>
```

```
ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
  <fileHeader(file.grammarFileName, file.ANTLRVersion)>
  <if(file.genPackage)>
  library <file.genPackage>;
```

```
import 'package:antlr4/antlr4.dart';
import 'dart:io';
```

```

<if(file.genListener)>
part '<file.grammarName>Listener.dart';
part '<file.grammarName>BaseListener.dart';
<endif>
<if(file.genVisitor)>
part '<file.grammarName>Visitor.dart';
part '<file.grammarName>BaseVisitor.dart';
<endif>
part '<file.grammarName>Lexer.dart';
<else>
import 'package:antlr4/antlr4.dart';
import 'dart:io';

```

```

<if(file.genListener)>
import '<file.grammarName>Listener.dart';
import '<file.grammarName>BaseListener.dart';
<endif>
<if(file.genVisitor)>
import '<file.grammarName>Visitor.dart';
import '<file.grammarName>BaseVisitor.dart';
<endif>
<endif>

```

```

<namedActions.header>
<parser>
>>

```

```

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
part of <file.genPackage>;
<else>
import 'package:antlr4/antlr4.dart';

import '<file.parserName>.dart';
<endif>
<header>

```

```

/// This abstract class defines a complete listener for a parse tree produced by
/// [<file.parserName>].
abstract class <file.grammarName>Listener extends ParseTreeListener {
  <file.listenerNames>:{ Iname |
  <if(file.listenerLabelRuleNames.(Iname))>
  /// Enter a parse tree produced by the [<Iname>]
  /// labeled alternative in [<file.parserName>.<file.listenerLabelRuleNames.(Iname)>].
  <else>
  /// Enter a parse tree produced by [<file.parserName>.<Iname>].
  <endif>

```



```

/// [ctx] the parse tree
void enter<Iname; format="cap">(<Iname; format="cap">Context ctx);
<if(file.listenerLabelRuleNames.(Iname))>
/// Exit a parse tree produced by the [<Iname>]
/// labeled alternative in [<file.parserName>.<file.listenerLabelRuleNames.(Iname)>].
<else>
/// Exit a parse tree produced by [<file.parserName>.<Iname>].
<endif>
/// [ctx] the parse tree
void exit<Iname; format="cap">(<Iname; format="cap">Context ctx);}; separator="\n">
}
>>

```

```

BaseListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
part of <file.genPackage>;
<else>
import 'package:antlr4/antlr4.dart';

```

```

import '<file.parserName>.dart';
import '<file.grammarName>Listener.dart';
<endif>

```

```
<header>
```

```

/// This class provides an empty implementation of [<file.grammarName>Listener],
/// which can be extended to create a listener which only needs to handle
/// a subset of the available methods.
class <file.grammarName>BaseListener implements <file.grammarName>Listener {
<file.listenerNames:{Iname |

```

```

/// The default implementation does nothing.
@override
void enter<Iname; format="cap">(<Iname; format="cap">Context ctx) {}

```

```

/// The default implementation does nothing.
@override
void exit<Iname; format="cap">(<Iname; format="cap">Context ctx) {}}; separator="\n">

```

```

/// The default implementation does nothing.
@override
void enterEveryRule(ParserRuleContext ctx) {}

```

```

/// The default implementation does nothing.
@override
void exitEveryRule(ParserRuleContext ctx) {}

```

```

/// The default implementation does nothing.
@override
void visitTerminal(TerminalNode node) {}

/// The default implementation does nothing.
@override
void visitErrorNode(ErrorNode node) {}
}

>>

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
part of <file.genPackage>;
<else>
import 'package:antlr4/antlr4.dart';

import '<file.parserName>.dart';
<endif>
<header>

/// This abstract class defines a complete generic visitor for a parse tree
/// produced by [<file.parserName>].
///
/// [T] is the return type of the visit operation. Use `void` for
/// operations with no return type.
abstract class <file.grammarName>Visitor<T> extends ParseTreeVisitor<T> {
  <file.visitorNames>:{Iname |
<if(file.visitorLabelRuleNames.(Iname))>
/// Visit a parse tree produced by the { @code <Iname>}
/// labeled alternative in { @link <file.parserName>#<file.visitorLabelRuleNames.(Iname)>}.
<else>
/// Visit a parse tree produced by [<file.parserName>.<Iname>].
<endif>
/// [ctx] the parse tree.
/// Return the visitor result.
T visit<Iname; format="cap">(<Iname; format="cap">Context ctx);}; separator="\n">
}
>>

BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
part of <file.genPackage>;
<else>
import 'package:antlr4/antlr4.dart';

```

```

import '<file.parserName>.dart';
import '<file.grammarName>Visitor.dart';
<endif>
<header>

/// This class provides an empty implementation of [<file.grammarName>Visitor],
/// which can be extended to create a visitor which only needs to handle
/// a subset of the available methods.
///
/// [T] is the return type of the visit operation. Use `void` for
/// operations with no return type.
class <file.grammarName>BaseVisitor<T> extends ParseTreeVisitor<T> implements
<file.grammarName>Visitor<T> {
  <file.visitorNames>: {Iname |
  /// The default implementation returns the result of calling
  /// [visitChildren] on [ctx].
  @override
  T visit<Iname; format="cap">(<Iname; format="cap">Context ctx) => visitChildren(ctx);; separator="\n">
  }
  >>

fileHeader(grammarFileName, ANTLRVersion) ::= <<
// Generated from <grammarFileName> by ANTLR <ANTLRVersion>
// ignore_for_file: unused_import, unused_local_variable, prefer_single_quotes
>>

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
<if(namedActions.definitions)><namedActions.definitions><endif>
<if(parser.rules)>
const int <parser.rules>: {r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>;
<endif>
class <parser.name> extends <superClass; null="Parser"> {
  static final checkVersion = () => RuntimeMetaData.checkVersion('<file.ANTLRVersion>',
RuntimeMetaData.VERSION);
  static const int TOKEN_EOF = IntStream.EOF;

  static final List<DFA> _decisionToDFA = List.generate(
    _ATN.numberOfDecisions, (i) => DFA(_ATN.getDecisionState(i), i));
  static final PredictionContextCache _sharedContextCache = PredictionContextCache();
  <if(parser.tokens)>
  static const int <parser.tokens>: {k | TOKEN_<k> = <parser.tokens.(k)>}; separator=", ", wrap, anchor>;
  <endif>

  @override

```

```

final List<String> ruleNames = [
  <parser.ruleNames: {r | '<t>'}; separator=", ", wrap, anchor>
];

<vocabulary(parser.literalNames, parser.symbolicNames)>

@Override
String get grammarFileName => '<parser.grammarFileName>';

@Override
String get serializedATN => _serializedATN;

@Override
ATN getATN() {
  return _ATN;
}

<namedActions.members>
<parser:(ctor)()>
<funcs; separator="\n">

<if(semanticPredFuncs)>
  @Override
  bool semanticPred(RuleContext _localctx, int ruleIndex, int predIndex) {
    switch (ruleIndex) {
      <parser.semanticPredFuncs.values: {f}
    case <f.ruleIndex>:
      return _<f.name>_semanticPred(_localctx, predIndex);}; separator="\n">
    }
    return true;
  }
  <semanticPredFuncs.values; separator="\n">
<endif>

<atn>
}
<funcs: {func | <if(func.ruleCtx)><func.ruleCtx><endif>}; separator="\n\n">

<funcs: {func | <if(func.altLabelCtxs)><func.altLabelCtxs: {l | <func.altLabelCtxs.(l)>};
separator="\n\n"><endif>}>
>>

vocabulary(literalNames, symbolicNames) ::= <<
static final List<String> _LITERAL_NAMES = [
  <literalNames: {t | <t>}; null="null", separator=", ", wrap, anchor>
];
static final List<String> _SYMBOLIC_NAMES = [
  <symbolicNames: {t | <t>}; null="null", separator=", ", wrap, anchor>

```

```

];
static final Vocabulary VOCABULARY = VocabularyImpl(_LITERAL_NAMES, _SYMBOLIC_NAMES);

@Override
Vocabulary get vocabulary {
    return VOCABULARY;
}
>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
void action(RuleContext _localctx, int ruleIndex, int actionIndex) {
    switch (ruleIndex) {
        <recog.actionFuncs.values: {f}
    case <f.ruleIndex>:
        _<f.name>_action(_localctx, actionIndex);
        break;}; separator="\n">
    }
}
<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>
bool sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
    switch (ruleIndex) {
        <recog.sempredFuncs.values: {f}
    case <f.ruleIndex>:
        return _<f.name>_sempred(_localctx, predIndex);}; separator="\n">
    }
    return true;
}
<sempredFuncs.values; separator="\n">
<endif>
>>

parser_ctor(p) ::= <<
<p.name>(TokenStream input) : super(input) {
    interpreter = ParserATNSimulator(this, _ATN, _decisionToDFA, _sharedContextCache);
}
>>

/// This generates a private method since the actionIndex is generated, making an
/// overriding implementation impossible to maintain.
RuleActionFunction(r, actions) ::= <<
void _<r.name>_action(<r.ctxType> _localctx, int actionIndex) {
    switch (actionIndex) {
        <actions: {index|case <index>: <actions.(index)> break;}; separator="\n">
    }
}
}

```

>>

/// This generates a private method since the predIndex is generated, making an
/// overriding implementation impossible to maintain.

```
RuleSempredFunction(r, actions) ::= <<
bool _<r.name>_sempred(<r.ctxType> _localctx, int predIndex) {
    switch (predIndex) {
        <actions:{index|case <index>: return <actions.(index)>;}; separator="\n">
    }
    return true;
}
>>
```

```
RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<
```

```
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else><endif><currentRule.ctxType>
<currentRule.name><(args; separator=", "> {
    dynamic _localctx = <currentRule.ctxType>(context, state<currentRule.args:{a | , <a.name>}>);
    enterRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>);
    <namedActions.init>
    <locals; separator="\n">
    try {
        <if(currentRule.hasLookaheadBlock)>
            int _alt;
        <endif>
        <code>
        <postamble; separator="\n">
        <namedActions.after>
    } <if(exceptions)> <exceptions; separator="\n"><else>on RecognitionException catch (re) {
        _localctx.exception = re;
        errorHandler.reportError(this, re);
        errorHandler.recover(this, re);
    }<endif> finally {
        <finallyAction>
        exitRule();
    }
    return _localctx;
}
>>
```

```
LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
namedActions,finallyAction,postamble) ::=
<<
```

```
<currentRule.ctxType> <currentRule.name>([int _p = 0]<args:{a | , <a>}>) {
    final _parentctx = context;
    final _parentState = state;
```

```

dynamic _localctx = <currentRule.ctxType>(context, _parentState<currentRule.args:{a | , <a.name>}>);
var _prevctx = _localctx;
var _startState = <currentRule.startState>;
enterRecursionRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>, _p);
<namedActions.init>
<locals; separator="\n">
try {
<if(currentRule.hasLookaheadBlock)>
  int _alt;
<endif>
  <code>
  <postamble; separator="\n">
  <namedActions.after>
} on RecognitionException catch (re) {
  _localctx.exception = re;
  errorHandler.reportError(this, re);
  errorHandler.recover(this, re);
} finally {
  <finallyAction>
  unrollRecursionContexts(_parentctx);
}
return _localctx;
}
>>

```

```

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>_localctx = <currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(_localctx);<endif>
enterOuterAlt(_localctx, <currentOuterMostAltCodeBlock.alt.altNum>);
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

```

```

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
>>

```

```

LL1AltBlock(choice, preamble, alts, error) ::= <<
state = <choice.stateNumber>;
errorHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = tokenStream.LT(1);<endif>
<preamble; separator="\n">
switch (tokenStream.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  break;}; separator="\n">
default:

```

```
<error>
}
>>
```

```
LL1OptionalBlock(choice, alts, error) ::= <<
state = <choice.stateNumber>;
errorHandler.sync(this);
switch (tokenStream.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
<alt>
break;}; separator="\n">
default:
break;
}
>>
```

```
LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
state = <choice.stateNumber>;
errorHandler.sync(this);
<preamble; separator="\n">
if (<expr>) {
<alts; separator="\n">
}
<!else if ( !(<followExpr> ) <error!>
>>
```

```
LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
state = <choice.stateNumber>;
errorHandler.sync(this);
<preamble; separator="\n">
while (<loopExpr>) {
<alts; separator="\n">
state = <choice.loopBackStateNumber>;
errorHandler.sync(this);
<iteration>
}
>>
```

```
LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
state = <choice.blockStartStateNumber>; <! alt block decision !>
errorHandler.sync(this);
<preamble; separator="\n">
do {
<alts; separator="\n">
state = <choice.stateNumber>; <! loopback/exit decision !>
errorHandler.sync(this);
<iteration>
} while (<loopExpr>);
```


>>

// LL(*) stuff

```
AltBlock(choice, preamble, alts, error) ::= <<
state = <choice.stateNumber>;
errorHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = tokenStream.LT(1);<endif>
<preamble; separator="\n">
switch (interpreter.adaptivePredict(tokenStream, <choice.decision>, context)) {
<alts:{ alt |
case <i>:
<alt>
break;}; separator="\n">
}
>>
```

```
OptionalBlock(choice, alts, error) ::= <<
state = <choice.stateNumber>;
errorHandler.sync(this);
switch (interpreter.adaptivePredict(tokenStream, <choice.decision>, context)) {
<alts:{ alt |
case <i><if(!choice.ast.greedy)>+1<endif>:
<alt>
break;}; separator="\n">
}
>>
```

```
StarBlock(choice, alts, sync, iteration) ::= <<
state = <choice.stateNumber>;
errorHandler.sync(this);
_alt = interpreter.adaptivePredict(tokenStream, <choice.decision>, context);
while (_alt != <choice.exitAlt> && _alt != ATN.INVALID_ALT_NUMBER) {
if (_alt == 1<if(!choice.ast.greedy)> + 1<endif>) {
<iteration>
<alts> <! should only be one !>
}
state = <choice.loopBackStateNumber>;
errorHandler.sync(this);
_alt = interpreter.adaptivePredict(tokenStream, <choice.decision>, context);
}
>>
```

```
PlusBlock(choice, alts, error) ::= <<
state = <choice.blockStartStateNumber>; <! alt block decision !>
errorHandler.sync(this);
_alt = 1<if(!choice.ast.greedy)>+1<endif>;
do {
```

```

switch (_alt) {
  <alts:{ alt|
case <i><if(!choice.ast.greedy)> + 1<endif>:
  <alt>
  break;}; separator="\n">
  default:
    <error>
  }
  state = <choice.loopBackStateNumber>; <! loopback/exit decision !>
  errorHandler.sync(this);
  _alt = interpreter.adaptivePredict(tokenStream, <choice.decision>, context);
} while (_alt != <choice.exitAlt> && _alt != ATN.INVALID_ALT_NUMBER);
>>

Sync(s) ::= "sync(<s.expecting.name>);"

ThrowNoViableAlt(t) ::= "throw NoViableAltException(this);"

TestSetInline(s) ::= <<
<s.bitsets:{ bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">
>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({ <offsetShift(s.varName, bits.shift)>})> && ((BigInt.one \<< <offsetShift(s.varName,
bits.shift)>) & (<bits.ttypes:{ ttype | (BigInt.one \<< <offsetShift({TOKEN_<ttype>}, bits.shift)>}); separator=" |
">)) != BigInt.zero)
%>

isZero ::= [
"0":true,
default:false
]

offsetShift(shiftAmount, offset) ::= <%
<if(!isZero.(offset))><shiftAmount> - <offset><else><shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ ttype | <s.varName> == TOKEN_<ttype>}; separator=" || ">
%>

```

```

cases(ttypes) ::= <<
<types:{t | case TOKEN_<t>}; separator="\n">
>>

```

```

InvokeRule(r, argExprsChunks) ::= <<
state = <r.stateNumber>;
<if(r.labels)><r.labels:{l | <labelref(l)> =
}><endif><r.name><(if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)><endif><endif><argExprsChunks>
);
>>

```

```

MatchToken(m) ::= <<
state = <m.stateNumber>;
<if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>match(TOKEN_<m.name>);
>>

```

```

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

```

```

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

```

```

CommonSetStuff(m, expr, capture, invert) ::= <<
state = <m.stateNumber>;
<if(m.labels)><m.labels:{l | <labelref(l)> = }>tokenStream.LT(1);<endif>
<capture>
if (<if(invert)><m.varName> \<= 0 || <else>!<endif><(expr)>) {
<if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>errorHandler.recoverInline(this);
} else {
if ( tokenStream.LA(1)==IntStream.EOF ) matchedEOF = true;
errorHandler.reportMatch(this);
consume();
}
>>

```

```

Wildcard(w) ::= <<
state = <w.stateNumber>;
<if(w.labels)><w.labels:{l | <labelref(l)> = }><endif>matchWildcard();
>>

```

```

// ACTION STUFF

```

```

Action(a, foo, chunks) ::= "<chunks>"

```

```

ArgAction(a, chunks) ::= "<chunks>"

```

```

SemPred(p, chunks, failChunks) ::= <<
state = <p.stateNumber>;
if (!<chunks>) {

```

```

    throw FailedPredicateException(this, <p.predicate><if(failChunks)>, <failChunks><elseif(p.msg)>,
    <p.msg><endif>);
}
>>

```

```

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
    <catchAction>
}
>>

```

```

// lexer actions are not associated with model objects

```

```

LexerSkipCommand() ::= "skip();"
LexerMoreCommand() ::= "more();"
LexerPopModeCommand() ::= "popMode();"

```

```

LexerTypeCommand(arg, grammar) ::= "type = <arg>";
LexerChannelCommand(arg, grammar) ::= "channel = <arg>";
LexerModeCommand(arg, grammar) ::= "mode_ = <arg>";
LexerPushModeCommand(arg, grammar) ::= "pushMode(<arg>);";

```

```

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "_localctx.<a.name>"
LocalRef(a) ::= "_localctx.<a.name>"
RetValRef(a) ::= "_localctx.<a.name>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.name>"
LabelRef(t) ::= "<ctx(t)>.<t.name>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>";

```

```

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

```

```

TokenPropertyRef_text(t) ::= "<ctx(t)>.<t.label>?.text"
TokenPropertyRef_type(t) ::= "<ctx(t)>.<t.label> != null ? <ctx(t)>.<t.label>.type : 0"
TokenPropertyRef_line(t) ::= "<ctx(t)>.<t.label> != null ? <ctx(t)>.<t.label>.line : 0"
TokenPropertyRef_pos(t) ::= "<ctx(t)>.<t.label> != null ? <ctx(t)>.<t.label>.charPositionInLine : 0"
TokenPropertyRef_channel(t) ::= "<ctx(t)>.<t.label> != null ? <ctx(t)>.<t.label>.channel : 0"
TokenPropertyRef_index(t) ::= "<ctx(t)>.<t.label> != null ? <ctx(t)>.<t.label>.tokenIndex : 0"
TokenPropertyRef_int(t) ::= "<ctx(t)>.<t.label> != null ? int.parse(<ctx(t)>.<t.label>.text) : 0"

```

```

RulePropertyRef_start(r) ::= "<ctx(r)>.<r.label>?.start"
RulePropertyRef_stop(r) ::= "<ctx(r)>.<r.label>?.stop"
RulePropertyRef_text(r) ::= "<ctx(r)>.<r.label> != null ? tokenStream.getTextRange(<ctx(r)>.<r.label>.start,

```

```

<ctx(r)>.<r.label>.stop) : null)"
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "this"

ThisRulePropertyRef_start(r) ::= "_localctx.start"
ThisRulePropertyRef_stop(r) ::= "_localctx.stop"
ThisRulePropertyRef_text(r) ::= "tokenStream.getTextRange(_localctx.start, tokenStream.LT(-1))"
ThisRulePropertyRef_ctx(r) ::= "_localctx"
ThisRulePropertyRef_parser(r) ::= "this"

NonLocalAttrRef(s) ::= "(getInvokingContext(<s.ruleIndex>) as <s.ruleName; format=\"cap\">Context).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::=
"(getInvokingContext(<s.ruleIndex>) as <s.ruleName; format=\"cap\">Context).<s.name> = <rhsChunks>;"

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.add(<labelref(a.label)>);"

TokenDecl(t) ::= "<TokenLabelType()> <t.name>"
TokenTypeDecl(t) ::= "int <t.name>;"
TokenListDecl(t) ::= "List<Token> <t.name> = List<Token>()"
RuleContextDecl(r) ::= "<r.ctxName> <r.name>"
RuleContextListDecl(rdecl) ::= "List<<rdecl.ctxName>> <rdecl.name> = List<<rdecl.ctxName>>()"

ContextTokenGetterDecl(t) ::= <<
TerminalNode <t.name>() => getToken(<parser.name>.TOKEN_<t.name>, 0);
>>

ContextTokenListGetterDecl(t) ::= <<
List<TerminalNode> <t.name>s() => getTokens(<parser.name>.TOKEN_<t.name>);
>>

ContextTokenListIndexedGetterDecl(t) ::= <<
TerminalNode <t.name>(int i) => getToken(<parser.name>.TOKEN_<t.name>, i);
>>

ContextRuleGetterDecl(r) ::= <<
<r.ctxName> <r.name>() => getRuleContext<<r.ctxName>>();
>>

ContextRuleListGetterDecl(r) ::= <<
List<<r.ctxName>> <r.name>s() => getRuleContexts<<r.ctxName>>();
>>

ContextRuleListIndexedGetterDecl(r) ::= <<
<r.ctxName> <r.name>(int i) => getRuleContext<<r.ctxName>>(i);
>>

LexerRuleContext() ::= "RuleContext"

/// The rule context name is the rule followed by a suffix; e.g.,
/// r becomes rContext.
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "_<tokenName>"

```

```

ImplicitRuleLabel(ruleName) ::= "_<ruleName>"
ImplicitSetLabel(id) ::= "_tset<id>"
ListLabelName(label) ::= "<label>"

CaptureNextToken(d) ::= "<d.varName> = tokenStream.LT(1);"
CaptureNextTokenType(d) ::= "<d.varName> = tokenStream.LA(1);"

StructDecl(struct,ctorAttrs,attrs,getters,dispatchMethods,interfaces,extensionMembers)
 ::= <<
class <struct.name> extends
<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)> implements
<interfaces; separator=", "><endif> {
<attrs:{ a | <a>;}; separator="\n">
<getters:{ g | <g>;}; separator="\n">
<struct.name>([ParserRuleContext parent, int invokingState<ctorAttrs:{ a | , <a>>}]) : super(parent,
invokingState)<if(struct.ctorAttrs)> {
<struct.ctorAttrs:{ a | this.<a.name> = <a.name>;}; separator="\n">
}<else>;<endif>

@Override
int get ruleIndex => RULE_<struct.derivedFromName>;
<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
@Override
void copyFrom(<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif> ctx) {
super.copyFrom(ctx);
<struct.attrs:{ a | this.<a.name> = (ctx as <struct.name>).<a.name>;}; separator="\n">
}
<endif>
<dispatchMethods; separator="\n">
<extensionMembers; separator="\n">
}
>>

AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
class <struct.name> extends <struct.parentRule; format="cap">Context {
<attrs:{ a | <a>;}; separator="\n">
<getters:{ g | <g>;}; separator="\n">
<struct.name>(<struct.parentRule; format="cap">Context ctx) { copyFrom(ctx); }
<dispatchMethods; separator="\n">
}
>>

ListenerDispatchMethod(method) ::= <<
@Override
void <if(method.isEnter)>enter<else>exit<endif>Rule(ParseTreeListener listener) {
if (listener is <parser.grammarName>Listener)
listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">(this);
}

```

>>

```
VisitorDispatchMethod(method) ::= <<
@override
T accept<T>(ParseTreeVisitor<T> visitor) {
if (visitor is <parser.grammarName>Visitor<T>) {
return visitor.visit<struct.derivedFromName; format="cap">(this);
} else {
return visitor.visitChildren(this);
}
}
}
```

```
AttributeDecl(d) ::= "<d.type> <d.name><if(d.initValue)> = <d.initValue><endif>"
```

```
// If we don't know location of label def x, use this template
labelref(x) ::= "<if(!x.isLocal)>_localctx.<endif><x.name>"
```

```
// For any action chunk, what is correctly-typed context struct ptr?
ctx(actionChunk) ::= "_localctx"
```

```
// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "precpred(context, <opPrec>)"
recRuleSetReturnAction(src,name) ::= "$<name> = $<src>.<name>;"
recRuleSetStopToken() ::= "context.stop = tokenStream.LT(-1);"
```

```
recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
_localctx = <ctxName>Context(_parentctx, _parentState);
<if(label)>
<if(isListLabel)>
_localctx.<label>.add(_prevctx);
<else>
_localctx.<label> = _prevctx;
<endif>
<endif>
pushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
>>
```

```
recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
_localctx = <currentAltLabel; format="cap">Context(new <ruleName; format="cap">Context(_parentctx,
_parentState));
<if(label)>
<if(isListLabel)>
_localctx.<label>.add(_prevctx);
<else>
_localctx.<label> = _prevctx;
<endif>
<endif>
```

```
pushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
```

```
>>
```

```
recRuleReplaceContext(ctxName) ::= <<
```

```
_localctx = <ctxName>Context(_localctx);
```

```
context = _localctx;
```

```
_prevctx = _localctx;
```

```
>>
```

```
recRuleSetPrevCtx() ::= <<
```

```
if (parseListeners != null) triggerExitRuleEvent();
```

```
_prevctx = _localctx;
```

```
>>
```

```
LexerFile(lexerFile, lexer, namedActions) ::= <<
```

```
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
```

```
<if(lexerFile.genPackage)>
```

```
part of <lexerFile.genPackage>;
```

```
<else>
```

```
import 'package:antlr4/antlr4.dart';
```

```
<endif>
```

```
<namedActions.header>
```

```
<lexer>
```

```
>>
```

```
Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
```

```
<if(namedActions.definitions)><namedActions.definitions><endif>
```

```
class <lexer.name> extends <superClass; null="Lexer"> {
```

```
  static final checkVersion = () => RuntimeMetaData.checkVersion('<lexerFile.ANTLRVersion>',  
RuntimeMetaData.VERSION);
```

```
  static final List<DFA> _decisionToDFA = List.generate(  
    _ATN.numberOfDecisions, (i) => DFA(_ATN.getDecisionState(i), i));
```

```
  static final PredictionContextCache _sharedContextCache = PredictionContextCache();
```

```
  <if(lexer.tokens)>
```

```
    static const int
```

```
      <lexer.tokens:{k | TOKEN_<k> = <lexer.tokens.(k)>}; separator=" ", wrap, anchor>;
```

```
  <endif>
```

```
  <if(lexer.channels)>
```

```
    static const int
```

```
      <lexer.channels:{c | <c> = <lexer.channels.(c)>}; separator=" ", wrap, anchor>;
```

```
  <endif>
```

```
  <if(rest(lexer.modes))>
```

```
    static const int
```

```
      <rest(lexer.modes):{m | <m> = <i>}; separator=" ", wrap, anchor>;
```



```

<endif>

@override
final List<String> channelNames = [
  'DEFAULT_TOKEN_CHANNEL', 'HIDDEN'<if (lexer.channels)>, <lexer.channels:{c|'<c>'}; separator=", ",
wrap, anchor><endif>
];

@override
final List<String> modeNames = [
  <lexer.modes:{m|'<m>'}; separator=", ", wrap, anchor>
];

@override
final List<String> ruleNames = [
  <lexer.ruleNames:{r|'<r>'}; separator=", ", wrap, anchor>
];

<vocabulary(lexer.literalNames, lexer.symbolicNames)>

<namedActions.members>

<lexer.name>(CharStream input) : super(input) {
  interpreter = LexerATNSimulator(_ATN, _decisionToDFA, _sharedContextCache, recog: this);
}

@override
String get serializedATN => _serializedATN;

@override
String get grammarFileName => '<lexer.grammarFileName>';

@override
ATN getATN() { return _ATN; }

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>
<atn>
}
>>

SerializedATN(model) ::= <<
<if(rest(model.segments))>
<! requires segmented representation !>
static const int _serializedATNSegments = <length(model.segments)>;
<model.segments:{segment|static final String _serializedATNSegment<i0> =
'<segment; wrap={'\n<t>'}>'; separator="\n">
static final String _serializedATN = [
  <model.segments:{segment | _serializedATNSegment<i0>}; separator=",\n">

```

```

    ].join();
<else>
<! only one segment, can be inlined !>
static const String _serializedATN = '<model.serialized; wrap={'\<n>\<t>'}>';
<endif>
static final ATN _ATN =
    ATNDeserializer().deserialize(_serializedATN.codeUnits);
>>

/// Using a type to init value map, try to init a type; if not in table
/// must be an object, default value is "null".
initValue(typeName) ::= <<
<dartTypeInitMap.(typeName)>
>>

codeFileExtension() ::= ".dart"

```

Found in path(s):

```

* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-
jar/org/antlr/v4/tool/templates/codegen/Dart/Dart.stg

```

No license file was found, but licenses were detected in source scan.

```

/*
* [The "BSD license"]
* Copyright (c) 2012-2016 Terence Parr
* Copyright (c) 2012-2016 Sam Harwell
* All rights reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
*
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in the
* documentation and/or other materials provided with the distribution.
* 3. The name of the author may not be used to endorse or promote products
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*
* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR
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* IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
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* THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT

```

```
* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
```

```
*/
```

```
/** How to generate rules derived from left-recursive rules.
```

```
* These rely on recRuleAltPredicate(),
```

```
* recRuleArg(), recRuleSetResultAction(), recRuleSetReturnAction()
```

```
* templates in main language.stg
```

```
*/
```

```
group LeftRecursiveRules;
```

```
recRule(ruleName, argName, primaryAlts, opAlts, setResultAction,
        userRetvals, leftRecursiveRuleRefLabels) ::=
```

```
<<
```

```
<ruleName><if(userRetvals)> returns [<userRetvals>]<endif>
```

```
  : ( { } <primaryAlts: { alt | <alt.altText> }; separator="\n    | ">
```

```
    )
```

```
    (
```

```
      <opAlts; separator="\n    | ">
```

```
    )*
```

```
  ;
```

```
>>
```

```
recRuleAlt(alt, precOption, opPrec, pred) ::= <<
```

```
{<pred>}?<<precOption>=<opPrec>|> <alt.altText>
```

```
>>
```

Found in path(s):

```
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-
jar/org/antlr/v4/tool/templates/LeftRecursiveRules.stg
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
* [The "BSD license"]
```

```
* Copyright (c) 2015 Dan McLaughlin, Mike Lischke
```

```
* All rights reserved.
```

```
*
```

```
* Redistribution and use in source and binary forms, with or without
```

```
* modification, are permitted provided that the following conditions
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*/

Found in path(s):

*/opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-
jar/org/antlr/v4/tool/templates/codegen/Cpp/Cpp.stg

No license file was found, but licenses were detected in source scan.

/*

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*/

```

/** ANTLR tool checks output templates are compatible with tool code generation.
 * For now, a simple string match used on x.y of x.y.z scheme.
 * Must match Tool.VERSION during load to templates.
 *
 * REQUIRED.
 */

```

```

javascriptTypeInitMap ::= [
  "bool":"false",
  "int":"0",
  "float":"0.0",
  "str": "",
  default:"{}" // anything other than a primitive type is an object
]

```

```

// args must be <object-model-object>, <fields-resulting-in-STs>

```

```

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
import antlr4 from 'antlr4';
<if(file.genListener)>
import <file.grammarName>Listener from './<file.grammarName>Listener.js';
<endif>
<if(file.genVisitor)>
import <file.grammarName>Visitor from './<file.grammarName>Visitor.js';
<endif>

<namedActions.header>
<parser>
>>

```

```

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
import antlr4 from 'antlr4';

// This class defines a complete listener for a parse tree produced by <file.parserName>.
export default class <file.grammarName>Listener extends antlr4.tree.ParseTreeListener {

<file.listenerNames:{Iname |
// Enter a parse tree produced by <file.parserName>#<Iname>.
enter<Iname; format="cap">(ctx) {
\}

// Exit a parse tree produced by <file.parserName>#<Iname>.
exit<Iname; format="cap">(ctx) {
\}

```

```
}; separator="\n">
```

```
}
```

```
>>
```

```
VisitorFile(file, header, namedActions) ::= <<
```

```
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
```

```
import antlr4 from 'antlr4';
```

```
// This class defines a complete generic visitor for a parse tree produced by <file.parserName>.
```

```
export default class <file.grammarName>Visitor extends antlr4.tree.ParseTreeVisitor {
```

```
<file.visitorNames: { lname |
```

```
// Visit a parse tree produced by <file.parserName>#<lname>.
```

```
visit<lname; format="cap">(ctx) {
```

```
  return this.visitChildren(ctx);
```

```
  }
```

```
}; separator="\n">
```

```
}
```

```
>>
```

```
fileHeader(grammarFileName, ANTLRVersion) ::= <<
```

```
// Generated from <grammarFileName; format="java-escape"> by ANTLR <ANTLRVersion>
```

```
// jshint ignore: start
```

```
>>
```

```
Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
```

```
<if(superClass)>
```

```
import <superClass> from './<superClass>.js';
```

```
<endif>
```

```
<atn>
```

```
const atn = new antlr4.atn.ATNDeserializer().deserialize(serializedATN);
```

```
const decisionsToDFA = atn.decisionToState.map( (ds, index) => new antlr4.dfa.DFA(ds, index) );
```

```
const sharedContextCache = new antlr4.PredictionContextCache();
```

```
export default class <parser.name> extends <superClass; null="antlr4.Parser"> {
```

```
  static grammarFileName = "<parser.grammarFileName; format="java-escape">";
```

```
  static literalNames = [ <parser.literalNames: {t | <t>} ; null="null", separator=",", wrap, anchor ];
```

```

static symbolicNames = [ <parser.symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor> ];
static ruleNames = [ <parser.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor> ];

constructor(input) {
    super(input);
    this._interp = new antlr4.atn.ParserATNSimulator(this, atn, decisionsToDFA, sharedContextCache);
    this.ruleNames = <parser.name>.ruleNames;
    this.literalNames = <parser.name>.literalNames;
    this.symbolicNames = <parser.name>.symbolicNames;
    <namedActions.members>
}

get atn() {
    return atn;
}

<if(sempredFuncs)>
sempred(localctx, ruleIndex, predIndex) {
    switch(ruleIndex) {
        <parser.sempredFuncs.values:{f | case <f.ruleIndex>:
            return this.<f.name>_sempred(localctx, predIndex);}; separator="\n">
        default:
            throw "No predicate with index:" + ruleIndex;
    }
}
<sempredFuncs.values; separator="\n">
<endif>

<funcs; separator="\n">

}

<parser.name>.EOF = antlr4.Token.EOF;
<if(parser.tokens)>
<parser.tokens:{k | <parser.name>.<k> = <parser.tokens.(k)>}; separator="\n", wrap, anchor>
<endif>

<if(parser.rules)>
<parser.rules:{r | <parser.name>.RULE_<r.name> = <r.index>}; separator="\n", wrap, anchor>
<endif>

<funcs:{f | <ruleContexts(f)>}; separator="\n">

<! Define fields of this parser to export the context classes !>
<parser.funcs:{f | <parser.name>.<f.ctxType> = <f.ctxType>; }; separator="\n">

>>

```

```

ruleContexts(currentRule) ::= <<
<currentRule.ruleCtx>

<currentRule.altLabelCtxs:{1 | <currentRule.altLabelCtxs.(1)>} ; separator="\n">
>>

```

```

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
<lexer.name>.prototype.action = function(localctx, ruleIndex, actionIndex) {
  switch (ruleIndex) {
    <recog.actionFuncs.values:{f}
  case <f.ruleIndex>:
    this.<f.name>_action(localctx, actionIndex);
    break;}; separator="\n">
  default:
    throw "No registered action for:" + ruleIndex;
  }
};

```

```

<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>
<lexer.name>.prototype.sempred = function(localctx, ruleIndex, predIndex) {
  switch (ruleIndex) {
    <recog.sempredFuncs.values:{f} case <f.ruleIndex>:
  return this.<f.name>_sempred(localctx, predIndex);}; separator="\n">
  default:
    throw "No registered predicate for:" + ruleIndex;
  }
};

```

```

<sempredFuncs.values; separator="\n">
<endif>
>>

```

```

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/

```

```

RuleActionFunction(r, actions) ::= <<

```

```

<lexer.name>.prototype.<r.name>_action = function(localctx , actionIndex) {
  switch (actionIndex) {
    <actions:{index|
  case <index>:
    <actions.(index)>
    break;}; separator="\n">

```



```

default:
  throw "No registered action for:" + actionIndex;
}
};
>>

```

```

/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/

```

```

RuleSempredFunction(r, actions) ::= <<
<if (r.factory.g.lexer)><lexer.name>.prototype.<r.name>_sempred =
function<else><r.name>_sempred<endif>(localctx, predIndex) {
  switch(predIndex) {
    <actions:{index| case <index>:
return <actions.(index)>;}; separator="\n">
    default:
      throw "No predicate with index:" + predIndex;
  }
};
>>

```

```

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

```

```

<currentRule.name><(currentRule.args:{a | <a.name>}; separator=", ">) {
  let localctx = new <currentRule.ctxType>(this, this._ctx, this.state<currentRule.args:{a | , <a.name>}>);
  this.enterRule(localctx, <currentRule.startState>, <parser.name>.RULE_<currentRule.name>);
  <namedActions.init>
  <locals; separator="\n">
  try {
    <code>
    <postamble; separator="\n">
    <namedActions.after>
  }<if(exceptions)>
  <exceptions; separator="\n">
  <else> catch (re) {
    if(re instanceof antlr4.error.RecognitionException) {
      localctx.exception = re;
      this._errHandler.reportError(this, re);
      this._errHandler.recover(this, re);
    } else {
      throw re;
    }
  }<endif> finally {
    <finallyAction>
    this.exitRule();
  }
}

```

```

    }
    return localctx;
}

```

>>

```

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
    namedActions,finallyAction,postamble) ::=

```

<<

```

<currentRule.name>(_p<if(currentRule.args)>, <args:{ a | , <a>}><endif>) {
    if(_p===undefined) {
        _p = 0;
    }
    const _parentctx = this._ctx;
    const _parentState = this.state;
    let localctx = new <currentRule.ctxType>(this, this._ctx, _parentState<args:{ a | , <a.name>}>>);
    let _prevctx = localctx;
    const _startState = <currentRule.startState>;
    this.enterRecursionRule(localctx, <currentRule.startState>, <parser.name>.RULE_<currentRule.name>, _p);
    <namedActions.init>
    <locals; separator="\n">
    try {
        <code>
        <postamble; separator="\n">
        <namedActions.after>
    } catch( error) {
        if(error instanceof antlr4.error.RecognitionException) {
            localctx.exception = error;
            this._errHandler.reportError(this, error);
            this._errHandler.recover(this, error);
        } else {
            throw error;
        }
    } finally {
        <finallyAction>
        this.unrollRecursionContexts(_parentctx)
    }
    return localctx;
}

```

>>

```

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>localctx = new <currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(this, localctx);<endif>
this.enterOuterAlt(localctx, <currentOuterMostAltCodeBlock.alt.altNum>);
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>

```

>>

```
CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
>>
```

```
LL1AltBlock(choice, preamble, alts, error) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = this._input.LT(1);<endif>
<preamble; separator="\n">
switch(this._input.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  break;}; separator="\n">
default:
  <error>
}
>>
```

```
LL1OptionalBlock(choice, alts, error) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
switch (this._input.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  break;}; separator="\n">
default:
  break;
}
>>
```

```
LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
<preamble; separator="\n">
if(<expr>) {
  <alts; separator="\n">
}
<!else if ( !(<followExpr> ) <error!>
>>
```

```
LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
<preamble; separator="\n">
```

```

while(<loopExpr>) {
  <alts; separator="\n">
  this.state = <choice.loopBackStateNumber>;
  this._errHandler.sync(this);
  <iteration>
}
>>

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
this.state = <choice.blockStartStateNumber>; <! alt block decision !>
this._errHandler.sync(this);
<preamble; separator="\n">
do {
  <alts; separator="\n">
  this.state = <choice.stateNumber>; <! loopback/exit decision !>
  this._errHandler.sync(this);
  <iteration>
} while(<loopExpr>);
>>

// LL(*) stuff

AltBlock(choice, preamble, alts, error) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
var la_ = this._interp.adaptivePredict(this._input,<choice.decision>,this._ctx);
switch(la_) {
<alts:{alt |
case <i>:
  <alt>
  break;
}; separator="\n">
}
>>

OptionalBlock(choice, alts, error) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
var la_ = this._interp.adaptivePredict(this._input,<choice.decision>,this._ctx);
<alts:{alt |
if(la_===<i><if(!choice.ast.greedy)>+1<endif>) {
  <alt>
}; separator="\n} else ">
}
>>

```

```

StarBlock(choice, alts, sync, iteration) ::= <<
this.state = <choice.stateNumber>;
this._errHandler.sync(this);
var _alt = this._interp.adaptivePredict(this._input,<choice.decision>,this._ctx)
while(_alt!=<choice.exitAlt> && _alt!=antlr4.atn.ATN.INVALID_ALT_NUMBER) {
  if(_alt==1<if(!choice.ast.greedy)>+1<endif>) {
    <iteration>
    <alts> <! should only be one !>
  }
  this.state = <choice.loopBackStateNumber>;
  this._errHandler.sync(this);
  _alt = this._interp.adaptivePredict(this._input,<choice.decision>,this._ctx);
}

```

>>

```

PlusBlock(choice, alts, error) ::= <<
this.state = <choice.blockStartStateNumber>; <! alt block decision !>
this._errHandler.sync(this);
var _alt = 1<if(!choice.ast.greedy)>+1<endif>;
do {
  switch (_alt) {
    <alts:{alt|
case <i><if(!choice.ast.greedy)>+1<endif>:
    <alt>
    break;}; separator="\n">
  default:
    <error>
  }
  this.state = <choice.loopBackStateNumber>; <! loopback/exit decision !>
  this._errHandler.sync(this);
  _alt = this._interp.adaptivePredict(this._input,<choice.decision>, this._ctx);
} while ( _alt!=<choice.exitAlt> && _alt!=antlr4.atn.ATN.INVALID_ALT_NUMBER );

```

>>

```

Sync(s) ::= "sync(<s.expecting.name>)"

```

```

ThrowNoViableAlt(t) ::= "throw new antlr4.error.NoViableAltException(this);"

```

```

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">

```

>>

```

// Javascript language spec - shift operators are 32 bits long max

```

```

testShiftInRange(shiftAmount) ::= <<

```

```

((<shiftAmount>) & ~0x1f) == 0

```

>>

```

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShiftVar(s.varName, bits.shift)>})> && ((1 \<< <offsetShiftVar(s.varName,
bits.shift)>) & (<bits.ttypes:{ttype | (1 \<< <offsetShiftType(ttype, bits.shift)>)}; separator=" | ">)) != 0)
%>

isZero ::= [
"0":true,
default:false
]

offsetShiftVar(shiftAmount, offset) ::= <%
<if(!isZero.(offset))><shiftAmount> - <offset><else><shiftAmount><endif>
%>

offsetShiftType(shiftAmount, offset) ::= <%
<if(!isZero.(offset))><parser.name>.<shiftAmount> - <offset><else><parser.name>.<shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ttype | <s.varName>===<parser.name>.<ttype>}>; separator=" || ">
%>

cases(ttypes) ::= <<
<ttypes:{t | case <parser.name>.<t>:}>; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::= <<
this.state = <r.stateNumber>;
<if(r.labels)><r.labels:{l | <labelref(l)> =
}><endif>this.<r.name><(if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)><endif><endif><argExprsChu
nks>);
>>

MatchToken(m) ::= <<
this.state = <m.stateNumber>;
<if(m.labels)><m.labels:{l | <labelref(l)> = }><endif>this.match(<parser.name>.<m.name>);
>>

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
this.state = <m.stateNumber>;
<if(m.labels)><m.labels:{l | <labelref(l)> = }>this._input.LT(1);<endif>

```

```

<capture>
<if(invert)>if(<m.varName>\<=0 || <expr><else>if(!(<expr>))<endif> {
  <if(m.labels)><m.labels:{1 | <labelref(1)> = }><endif>this._errHandler.recoverInline(this);
}
else {
  this._errHandler.reportMatch(this);
  this.consume();
}
>>

```

```

Wildcard(w) ::= <<
this.state = <w.stateNumber>;
<if(w.labels)><w.labels:{1 | <labelref(1)> = }><endif>this.matchWildcard();
>>

```

```
// ACTION STUFF
```

```
Action(a, foo, chunks) ::= "<chunks>"
```

```
ArgAction(a, chunks) ::= "<chunks>"
```

```

SemPred(p, chunks, failChunks) ::= <<
this.state = <p.stateNumber>;
if (!( <chunks>)) {
  throw new antlr4.error.FailedPredicateException(this, <p.predicate><if(failChunks)>,
<failChunks><elseif(p.msg)>, <p.msg><endif>);
}
>>

```

```

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
  <catchAction>
}
>>

```

```
// lexer actions are not associated with model objects
```

```

LexerSkipCommand() ::= "this.skip()"
LexerMoreCommand() ::= "this.more()"
LexerPopModeCommand() ::= "this.popMode()"
LexerTypeCommand(arg, grammar) ::= "this._type = <arg>"
LexerChannelCommand(arg, grammar) ::= "this._channel = <arg>"
LexerModeCommand(arg, grammar) ::= "this._mode = <arg>"
LexerPushModeCommand(arg, grammar) ::= "this.pushMode(<arg>)"

```

```

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "localctx.<a.name>"

```

```

LocalRef(a) ::= "localctx.<a.name>"
RetValRef(a) ::= "localctx.<a.name>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"
/** How to translate $TokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.name>"
LabelRef(t) ::= "<ctx(t)>.<t.name>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>"

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "(<ctx(t)>.<t.label>====null ? null : <ctx(t)>.<t.label>.text)"
TokenPropertyRef_type(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : <ctx(t)>.<t.label>.type)"
TokenPropertyRef_line(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : <ctx(t)>.<t.label>.line)"
TokenPropertyRef_pos(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : <ctx(t)>.<t.label>.column)"
TokenPropertyRef_channel(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : <ctx(t)>.<t.label>.channel)"
TokenPropertyRef_index(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : <ctx(t)>.<t.label>.tokenIndex)"
TokenPropertyRef_int(t) ::= "(<ctx(t)>.<t.label> === null ? 0 : parseInt(<ctx(t)>.<t.label>.text))"

RulePropertyRef_start(r) ::= "(<ctx(r)>.<r.label>====null ? null : <ctx(r)>.<r.label>.start)"
RulePropertyRef_stop(r) ::= "(<ctx(r)>.<r.label>====null ? null : <ctx(r)>.<r.label>.stop)"
RulePropertyRef_text(r) ::= "(<ctx(r)>.<r.label>====null ? null : this._input.getText(new antlr4.Interval(<ctx(r)>.<r.label>.start,<ctx(r)>.<r.label>.stop)))"
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "this"

ThisRulePropertyRef_start(r) ::= "localctx.start"
ThisRulePropertyRef_stop(r) ::= "localctx.stop"
ThisRulePropertyRef_text(r) ::= "this._input.getText(new antlr4.Interval(localctx.start, this._input.LT(-1)))"
ThisRulePropertyRef_ctx(r) ::= "localctx"
ThisRulePropertyRef_parser(r) ::= "this"

NonLocalAttrRef(s) ::= "this.getInvokingContext(<s.ruleIndex>).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::= "this.getInvokingContext(<s.ruleIndex>).<s.name> = <rhsChunks>"

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.push(<labelref(a.label)>);"

TokenDecl(t) ::= "this.<t.name> = null; // <TokenLabelType()>"
TokenTypeDecl(t) ::= "var <t.name> = 0; // <TokenLabelType()> type"
TokenListDecl(t) ::= "this.<t.name> = []; // of <TokenLabelType()>s"
RuleContextDecl(r) ::= "this.<r.name> = null; // <r.ctxName>"
RuleContextListDecl(rdecl) ::= "this.<rdecl.name> = []; // of <rdecl.ctxName>s"

ContextTokenGetterDecl(t) ::= <<
<t.name>() {
    return this.getToken(<parser.name>.<t.name>, 0);
};

```


>>

// should never be called

```
ContextTokenListGetterDecl(t) ::= <<
<t.name>_list() {
  return this.getTokens(<parser.name>.<t.name>);
}
>>
```

```
ContextTokenListIndexedGetterDecl(t) ::= <<
<t.name> = function(i) {
  if(i===undefined) {
    i = null;
  }
  if(i===null) {
    return this.getTokens(<parser.name>.<t.name>);
  } else {
    return this.getToken(<parser.name>.<t.name>, i);
  }
};
>>
```

```
ContextRuleGetterDecl(r) ::= <<
<r.name>() {
  return this.getTypedRuleContext(<r.ctxName>,0);
};
>>
```

// should never be called

```
ContextRuleListGetterDecl(r) ::= <<
<r.name>_list() {
  return this.getTypedRuleContexts(<parser.name>.<r.ctxName>);
}
>>
```

```
ContextRuleListIndexedGetterDecl(r) ::= <<
<r.name> = function(i) {
  if(i===undefined) {
    i = null;
  }
  if(i===null) {
    return this.getTypedRuleContexts(<r.ctxName>);
  } else {
    return this.getTypedRuleContext(<r.ctxName>,i);
  }
};
>>
```

```

LexerRuleContext() ::= "RuleContext"

/** The rule context name is the rule followed by a suffix; e.g.,
 * r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "_<tokenName>"
ImplicitRuleLabel(ruleName) ::= "_<ruleName>"
ImplicitSetLabel(id) ::= "_tset<id>"
ListLabelName(label) ::= "<label>"

CaptureNextToken(d) ::= "<d.varName> = self._input.LT(1)"
CaptureNextTokenType(d) ::= "<d.varName> = this._input.LA(1);"

StructDecl(struct,ctorAttrs,attrs, getters,dispatchMethods,interfaces,extensionMembers) ::= <<
class <struct.name> extends <if(contextSuperClass)><contextSuperClass><else>antlr4.ParserRuleContext<endif> {

    constructor(parser, parent, invokingState<struct.ctorAttrs:{ a | , <a.name>}> ) {
        if(parent===undefined) {
            parent = null;
        }
        if(invokingState===undefined || invokingState===null) {
            invokingState = -1;
        }
        super(parent, invokingState);
        this.parser = parser;
        this.ruleIndex = <parser.name>.RULE_<struct.derivedFromName>;
        <attrs:{ a | <a>}; separator="\n">
        <struct.ctorAttrs:{ a | this.<a.name> = <a.name> || null;}; separator="\n">
    }

    <getters:{ g | <g>}; separator="\n\n">

    <if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
    copyFrom(ctx) {
        super.copyFrom(ctx);
        <struct.attrs:{ a | this.<a.name> = ctx.<a.name>;}; separator="\n">
    }
    <endif>
    <dispatchMethods; separator="\n">
    <extensionMembers; separator="\n">

}

>>

```

```

AltLabelStructDecl(struct,attrs, getters,dispatchMethods) ::= <<
class <struct.name> extends <struct.parentRule; format="cap">Context {

    constructor(parser, ctx) {
        super(parser);
        <attrs:{ a | <a>;}; separator="\n">
        super.copyFrom(ctx);
    }

    <getters:{ g | <g>;}; separator="\n\n">

    <dispatchMethods; separator="\n">

}

<! Define fields of this parser to export this struct/context class !>
<parser.name>.<struct.name> = <struct.name>;

>>

ListenerDispatchMethod(method) ::= <<
<if(method.isEnter)>enter<else>exit<endif>Rule(listener) {
    if(listener instanceof <parser.grammarName>Listener ) {
        listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">(this);
    }
}

>>

VisitorDispatchMethod(method) ::= <<
accept(visitor) {
    if ( visitor instanceof <parser.grammarName>Visitor ) {
        return visitor.visit<struct.derivedFromName; format="cap">(this);
    } else {
        return visitor.visitChildren(this);
    }
}

>>

AttributeDecl(d) ::= "this.<d.name> = <if(d.initValue)><d.initValue><else>null<endif>"

/** If we don't know location of label def x, use this template */
labelref(x) ::= "<if(!x.isLocal)>localctx.<endif><x.name>"

/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "localctx"

```

```

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "this.precpred(this._ctx, <opPrec>)"
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>"
recRuleSetStopToken() ::= "this._ctx.stop = this._input.LT(-1);"

recRuleAltStartAction(ruleName, ctxName, label) ::= <<
localctx = new <ctxName>Context(this, _parentctx, _parentState);
<if(label)>localctx.<label> = _prevctx;<endif>
this.pushNewRecursionContext(localctx, _startState, <parser.name>.RULE_<ruleName>);
>>

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
localctx = new <currentAltLabel; format="cap">Context(this, new <ruleName; format="cap">Context(this,
_parentctx, _parentState));
<if(label)>
<if(isListLabel)>
localctx.<label>.push(_prevctx);
<else>
localctx.<label> = _prevctx;
<endif>
<endif>
this.pushNewRecursionContext(localctx, _startState, <parser.name>.RULE_<ruleName>);
>>

recRuleReplaceContext(ctxName) ::= <<
localctx = new <ctxName>Context(this, localctx);
this._ctx = localctx;
_prevctx = localctx;
>>

recRuleSetPrevCtx() ::= <<
if(this._parseListeners!=null) {
    this.triggerExitRuleEvent();
}
_prevctx = localctx;
>>

LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
import antlr4 from 'antlr4';

<namedActions.header>

<lexer>

>>

```

```

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
<if(superClass)>
import <superClass> from './<superClass>.js';
<endif>

<atn>

const atn = new antlr4.atn.ATNDeserializer().deserialize(serializedATN);

const decisionsToDFA = atn.decisionToState.map( (ds, index) => new antlr4.dfa.DFA(ds, index) );

export default class <lexer.name> extends <if(superClass)><superClass><else>antlr4.Lexer<endif> {

    static grammarFileName = "<lexer.grammarFileName>";
    static channelNames = [ "DEFAULT_TOKEN_CHANNEL", "HIDDEN"<if (lexer.channels)>,
<lexer.channels: {c| "<c>"}; separator=", ", wrap, anchor><endif> ];
    static modeNames = [ <lexer.modes: {m| "<m>"}; separator=", ", wrap, anchor> ];
    static literalNames = [ <lexer.literalNames: {t| <t>}; null="null", separator=", ", wrap, anchor> ];
    static symbolicNames = [ <lexer.symbolicNames: {t| <t>}; null="null", separator=", ", wrap, anchor> ];
    static ruleNames = [ <lexer.ruleNames: {r| "<r>"}; separator=", ", wrap, anchor> ];

    constructor(input) {
        super(input)
        this._interp = new antlr4.atn.LexerATNSimulator(this, atn, decisionsToDFA, new
antlr4.PredictionContextCache());
        <namedActions.members>
    }

    get atn() {
        return atn;
    }
}

<lexer.name>.EOF = antlr4.Token.EOF;
<if(lexer.tokens)>
<lexer.tokens: {k | <lexer.name>.<k> = <lexer.tokens.(k)>;}; separator="\n", wrap, anchor>
<endif>

<if(lexer.channels)>
<lexer.channels: {c| <lexer.name>.<c> = <lexer.channels.(c)>;}; separator="\n">

<endif>
<if(rest(lexer.modes))>
<rest(lexer.modes): {m| <lexer.name>.<m> = <i>;}; separator="\n">

<endif>

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>

```

>>

```
SerializedATN(model) ::= <<
```

```
<! only one segment, can be inlined !>
```

```
const serializedATN = ["<model.serialized; wrap={",<n> "}>"].join("");
```

>>

```
/** Using a type to init value map, try to init a type; if not in table
```

```
* must be an object, default value is "null".
```

```
*/
```

```
initValue(typeName) ::= <<
```

```
<javacriptTypeInitMap.(typeName)>
```

>>

```
codeFileExtension() ::= ".js"
```

Found in path(s):

```
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-  
jar/org/antlr/v4/tool/templates/codegen/JavaScript/JavaScript.stg
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
* [The "BSD license"]
```

```
* Copyright (c) 2012-2016 Terence Parr
```

```
* Copyright (c) 2012-2016 Sam Harwell
```

```
* Copyright (c) 2015 Janyou
```

```
* All rights reserved.
```

```
*
```

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 * THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
 * (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
 * THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
 */

```
SwiftTypeInitMap ::= [
  "Int":"0",
  "Int64":"0",
  "Float":"0.0",
  "Double":"0.0",
  "Bool":"false",
  default:"nil" // anything other than a primitive type is an object
]
```

```
SwiftTypeMap ::= [
  "int":"Int",
  "float":"Float",
  "long":"Int64",
  "double":"Double",
  "bool":"Bool",
  "boolean":"Bool",
  default : key
]
```

// args must be <object-model-object>, <fields-resulting-in-STs>

```
accessLevelOpenOK(obj) ::= "<obj.accessLevel; null=\\"open\\">"
accessLevelNotOpen(obj) ::= "<obj.accessLevel; null=\\"public\\">"
```

```
ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<namedActions.header>
import Antlr4

<parser>
>>
```

```
ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<header>
import Antlr4
```

```

/**
 * This interface defines a complete listener for a parse tree produced by
 * { @link <file.parserName> }.
 */
<accessLevelNotOpen(file)> protocol <file.grammarName>Listener: ParseTreeListener {
  <file.listenerNames: {Iname |
/**
<if(file.listenerLabelRuleNames.(Iname))>
 * Enter a parse tree produced by the { @code <Iname>\}
 * labeled alternative in { @link <file.parserName>#<file.listenerLabelRuleNames.(Iname)>\}.
<else>
 * Enter a parse tree produced by { @link <file.parserName>#<Iname>\}.
<endif>
- Parameters:
  - ctx: the parse tree
*/
func enter<Iname; format="cap">(_ ctx: <file.parserName>.<Iname; format="cap">Context)
/**
<if(file.listenerLabelRuleNames.(Iname))>
 * Exit a parse tree produced by the { @code <Iname>\}
 * labeled alternative in { @link <file.parserName>#<file.listenerLabelRuleNames.(Iname)>\}.
<else>
 * Exit a parse tree produced by { @link <file.parserName>#<Iname>\}.
<endif>
- Parameters:
  - ctx: the parse tree
*/
func exit<Iname; format="cap">(_ ctx: <file.parserName>.<Iname; format="cap">Context); separator="\n"
}
>>

```

```

BaseListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
<!package <file.genPackage>;!>
<endif>
<header>

```

```
import Antlr4
```

```

/**
 * This class provides an empty implementation of { @link <file.grammarName>Listener },
 * which can be extended to create a listener which only needs to handle a subset
 * of the available methods.
 */
<accessLevelOpenOK(file)> class <file.grammarName>BaseListener: <file.grammarName>Listener {

```



```

    <accessLevelNotOpen(file)> init() { \}
    <file.listenerNames:{lname |

/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
    <accessLevelOpenOK(file)> func enter<lname; format="cap">(_ ctx: <file.parserName>.<lname;
    format="cap">Context) { \}
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
    <accessLevelOpenOK(file)> func exit<lname; format="cap">(_ ctx: <file.parserName>.<lname;
    format="cap">Context) { \} }; separator="\n">

/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
    <accessLevelOpenOK(file)> func enterEveryRule(_ ctx: ParserRuleContext) throws { }
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
    <accessLevelOpenOK(file)> func exitEveryRule(_ ctx: ParserRuleContext) throws { }
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
    <accessLevelOpenOK(file)> func visitTerminal(_ node: TerminalNode) { }
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
    <accessLevelOpenOK(file)> func visitErrorNode(_ node: ErrorNode) { }
}
>>

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>

```

```

<!package <file.genPackage>!>
<endif>
<header>
import Antlr4

/**
 * This interface defines a complete generic visitor for a parse tree produced
 * by { @link <file.parserName>}.
 *
 * @param \<T> The return type of the visit operation. Use { @link Void} for
 * operations with no return type.
 */
<accessLevelOpenOK(file)> class <file.grammarName>Visitor\<T>: ParseTreeVisitor\<T> {
  <file.visitorNames:{lname} |
/**
<if(file.visitorLabelRuleNames.(lname))>
 * Visit a parse tree produced by the { @code <lname>\}
 * labeled alternative in { @link <file.parserName>#<file.visitorLabelRuleNames.(lname)>\}.
<else>
 * Visit a parse tree produced by { @link <file.parserName>#<lname>\}.
<endif>
- Parameters:
- ctx: the parse tree
- returns: the visitor result
*/
<accessLevelOpenOK(file)> func visit<lname; format="cap">(_ ctx: <file.parserName>.<lname;
format="cap">Context) -> T {
  fatalError(#function + " must be overridden")
\}
}; separator="\n">
}
>>

```

```

BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>

```

```

<if(file.genPackage)>
<!package <file.genPackage>!>
<endif>
<header>
import Antlr4

```

```

/**
 * This class provides an empty implementation of { @link <file.grammarName>Visitor},
 * which can be extended to create a visitor which only needs to handle a subset
 * of the available methods.
 *
 * @param \<T> The return type of the visit operation. Use { @link Void} for
 * operations with no return type.

```

```

*/
<accessLevelOpenOK(file)> class <file.grammarName>BaseVisitor<T>: AbstractParseTreeVisitor<T> {
  <file.visitorNames:{ lname |
/**
* { @inheritDoc\}
*
* \<p>The default implementation returns the result of calling
* { @link #visitChildren\} on { @code ctx\}.\</p>
*/
<accessLevelOpenOK(file)> func visit<lname; format="cap">(_ ctx: <file.parserName>.<lname;
format="cap">Context) -> T? { return visitChildren(ctx) \}}; separator="\n">
}
>>

```

```

fileHeader(grammarFileName, ANTLRVersion) ::= <<
// Generated from <grammarFileName; format="java-escape"> by ANTLR <ANTLRVersion>
>>

```

```

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

```

```

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
<!--@SuppressWarnings({"all", "warnings", "unchecked", "unused", "cast"})!>
<accessLevelOpenOK(parser)> class <parser.name>: <superClass; null="Parser"> {

```

```

  internal static var _decisionToDFA: [DFA] = {
    var decisionToDFA = [DFA]()
    let length = <parser.name>._ATN.getNumberOfDecisions()
    for i in 0..\<length {
      <!-- decisionToDFA[i] = DFA(<parser.name>._ATN.getDecisionState(i)!, i)!>
      decisionToDFA.append(DFA(<parser.name>._ATN.getDecisionState(i)!, i))
    }
    return decisionToDFA
  }()

```

```

  internal static let _sharedContextCache = PredictionContextCache()

```

```

  <if(parser.tokens)>
  <accessLevelNotOpen(parser)>
  enum Tokens: Int {
    case EOF = -1, <parser.tokens:{ k | <k> = <parser.tokens.(k)>}; separator=", ", wrap, anchor>
  }
  <endif>

```

```

  <accessLevelNotOpen(parser)>
  <if(parser.rules)>
  static let <parser.rules:{ r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>

```

```

<endif>

<accessLevelNotOpen(parser)>
static let ruleNames: [String] = [
  <parser.ruleNames:{r | "<r">"}; separator=", ", wrap, anchor>
]

<vocabulary(parser.literalNames, parser.symbolicNames,
  accessLevelNotOpen(parser))>

override <accessLevelOpenOK(parser)>
func getGrammarFileName() -> String { return "<parser.grammarFileName; format="java-escape">" }

override <accessLevelOpenOK(parser)>
func getRuleNames() -> [String] { return <parser.name>.ruleNames }

override <accessLevelOpenOK(parser)>
func getSerializedATN() -> String { return <parser.name>._serializedATN }

override <accessLevelOpenOK(parser)>
func getATN() -> ATN { return <parser.name>._ATN }

<namedActions.members>
<parser:(ctor)()>
<funcs; separator="\n">

<if(sempredFuncs)>
override <accessLevelOpenOK(parser)>
func sempred(_ localctx:RuleContext?, _ ruleIndex: Int, _ predIndex: Int)throws -> Bool {
  switch (ruleIndex) {
    <parser.sempredFuncs.values:{f}
  case <f.ruleIndex>:
    return try <f.name>_sempred(_localctx?.castdown(<f.ctxType>.self), predIndex)); separator="\n">
    default: return true
  }
  <!return true;!>
}
<sempredFuncs.values; separator="\n">
<endif>

<atn>

<accessLevelNotOpen(parser)>
static let _serializedATN = <parser.name>ATN().jsonString

<accessLevelNotOpen(parser)>
static let _ATN = ATNDeserializer().deserializeFromJson(_serializedATN)
}

```

>>

```
vocabulary(literalNames, symbolicNames, accessLevel) ::= <<
private static let _LITERAL_NAMES: [String?] = [
  <literalNames: {t | <t>} ; null="nil", separator=", ", wrap, anchor>
]
private static let _SYMBOLIC_NAMES: [String?] = [
  <symbolicNames: {t | <t>} ; null="nil", separator=", ", wrap, anchor>
]
<accessLevel>
static let VOCABULARY = Vocabulary(_LITERAL_NAMES, _SYMBOLIC_NAMES)
>>
```

```
dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
override <accessLevelOpenOK(parser)>
func action(_ localctx:RuleContext?, _ ruleIndex: Int, _ actionIndex: Int) throws {
  switch (ruleIndex) {
    <recog.actionFuncs.values: {f}
  case <f.ruleIndex>:
    <f.name>_action((_ localctx as <f.ctxType>?), actionIndex)
    }; separator="\n">
  default: break
  }
}
<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>
override <accessLevelOpenOK(parser)>
func sempred(_ localctx:RuleContext?, _ ruleIndex: Int, _ predIndex: Int) throws -> Bool {
  switch (ruleIndex) {
    <recog.sempredFuncs.values: {f}
  case <f.ruleIndex>:
    return try <f.name>_sempred(_ localctx?.castdown(<f.ctxType>.self), predIndex); separator="\n">
  default: return true
  }
}
<!return true;!>
}
<sempredFuncs.values; separator="\n">
<endif>
>>
```

```
parser_ctor(p) ::= <<
```

```
override <accessLevelOpenOK(parser)>
func getVocabulary() -> Vocabulary {
  return <p.name>.VOCABULARY
}
```

```

override <accessLevelNotOpen(parser)>
init(_ input:TokenStream) throws {
    RuntimeMetaData.checkVersion("4.9.2", RuntimeMetaData.VERSION)
    try super.init(input)
    _interp = ParserATNSimulator(self,<p.name>._ATN,<p.name>._decisionToDFA,
<parser.name>._sharedContextCache)
}

>>

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleActionFunction(r, actions) ::= <<
private func <r.name>_action(_ localctx: <r.ctxType>?, _ actionIndex: Int) {
    switch (actionIndex) {
    <actions:{index|
case <index>:
    <actions.(index)>
    }; separator="\n">
    default: break
    }
}
>>

/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleSempredFunction(r, actions) ::= <<
private func <r.name>_sempred(_ localctx: <r.ctxType>!, _ predIndex: Int) throws -> Bool {
    switch (predIndex) {
    <actions:{index|
    case <index>:return <actions.(index)>; separator="\n">
    default: return true
    }
    <!return true;!>
    }
}
>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<
<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">
@discardableResult
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else> <accessLevelOpenOK(parser)> func
<endif><currentRule.name><(if(first(args))>_ <endif><args; separator=", _">) throws -> <currentRule.ctxType> {
    var _localctx: <currentRule.ctxType> = <currentRule.ctxType>(_ctx, getState())<currentRule.args:{a | ,

```

```

<a.name>}>
try enterRule(_localctx, <currentRule.startState>, <parser.name>.RULE_<currentRule.name>)
<namedActions.init>
<locals; separator="\n">
defer {
    <finallyAction>
    try! exitRule()
}
do {
<if(currentRule.hasLookaheadBlock)>
    var _alt:Int
<endif>
    <code>
    <postamble; separator="\n">
    <namedActions.after>
}
<if(exceptions)>
<exceptions; separator="\n">
<else>
catch ANTLRException.recognition(let re) {
    _localctx.exception = re
    _errHandler.reportError(self, re)
    try _errHandler.recover(self, re)
}
<endif>

return _localctx
}
>>

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
    namedActions,finallyAction,postamble) ::=
<<

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else> <accessLevelNotOpen(parser)> final <endif>
func <currentRule.name>(<if(first(args))>_ <endif><args; separator=", _">) throws -> <currentRule.ctxType> {
    return try <currentRule.name>(0<currentRule.args:{a | , <a.name>}>)}
}
@discardableResult
private func <currentRule.name>(_ p<args:{a | , <a>}>: Int) throws -> <currentRule.ctxType> {
    let _parentctx: ParserRuleContext? = _ctx
    let _parentState: Int = getState()
    var _localctx: <currentRule.ctxType> = <currentRule.ctxType>(_ctx, _parentState<currentRule.args:{a | ,
<a.name>}>)}>
    var _prevctx: <currentRule.ctxType> = _localctx

```

```

let _startState: Int = <currentRule.startState>
try enterRecursionRule(_localctx, <currentRule.startState>, <parser.name>.RULE_<currentRule.name>, _p)
<namedActions.init>
<locals; separator="\n">
defer {
  <finallyAction>
  try! unrollRecursionContexts(_parentctx)
}
do {
<if(currentRule.hasLookaheadBlock)>
  var _alt: Int
<endif>
<code>
<postamble; separator="\n">
<namedActions.after>
}
catch ANTLRException.recognition(let re) {
  _localctx.exception = re
  _errHandler.reportError(self, re)
  try _errHandler.recover(self, re)
}

return _localctx;
}
>>

```

```

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>_localctx = <currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(_localctx);<endif>
try enterOuterAlt(_localctx, <currentOuterMostAltCodeBlock.alt.altNum>)
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

```

```

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<!/{!>
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
<!/{!>
>>

```

```

LL1AltBlock(choice, preamble, alts, error) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = try _input.LT(1)<endif>
<preamble; separator="\n">
switch (<parser.name>.Tokens(rawValue: try _input.LA(1))!) {
<choice.altLook,alts:{look,alt | <cases(ttypes=look)>

```



```

<alt>
break}; separator="\n">
default:
<error>
}
>>

```

```

LL1OptionalBlock(choice, alts, error) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
switch (<parser.name>.Tokens(rawValue: try _input.LA(1))!) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
<alt>
break}; separator="\n">
default:
break
}
>>

```

```

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
<preamble; separator="\n">
if (<expr>) {
<alts; separator="\n">
}
<!else if ( !(<followExpr> ) <error>!>
>>

```

```

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
<preamble; separator="\n">
while (<loopExpr>) {
<alts; separator="\n">
setState(<choice.loopBackStateNumber>)
try _errHandler.sync(self)
<iteration>
}
>>

```

```

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
setState(<choice.blockStartStateNumber>) <! alt block decision !>
try _errHandler.sync(self)
<preamble; separator="\n">
repeat {
<alts; separator="\n">
setState(<choice.stateNumber>); <! loopback/exit decision !>
}
>>

```

```

try _errHandler.sync(self)
<iteration>
} while (<loopExpr>)
>>

// LL(*) stuff

AltBlock(choice, preamble, alts, error) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = try _input.LT(1)<endif>
<preamble; separator="\n">
switch(try getInterpreter().adaptivePredict(_input,<choice.decision>, _ctx)) {
<alts:{alt |
case <i>:
<alt>
break }; separator="\n">
default: break
}
>>

OptionalBlock(choice, alts, error) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
switch (try getInterpreter().adaptivePredict(_input,<choice.decision>, _ctx)) {
<alts:{alt |
case <i><if(!choice.ast.greedy)>+1<endif>:
<alt>
break }; separator="\n">
default: break
}
>>

StarBlock(choice, alts, sync, iteration) ::= <<
setState(<choice.stateNumber>)
try _errHandler.sync(self)
_alt = try getInterpreter().adaptivePredict(_input,<choice.decision>, _ctx)
while ( _alt != <choice.exitAlt> && _alt != ATN.INVALID_ALT_NUMBER) {
if ( _alt==1<if(!choice.ast.greedy)>+1<endif> ) {
<iteration>
<alts> <! should only be one !>
}
setState(<choice.loopBackStateNumber>)
try _errHandler.sync(self)
_alt = try getInterpreter().adaptivePredict(_input,<choice.decision>, _ctx)
}
>>

```

```

PlusBlock(choice, alts, error) ::= <<
setState(<choice.blockStartStateNumber>); <! alt block decision !>
try _errHandler.sync(self)
_alt = 1<if(!choice.ast.greedy)>+1<endif>;
repeat {
switch (_alt) {
<alts:{alt|
case <i><if(!choice.ast.greedy)>+1<endif>:
<alt>
break}; separator="\n">
default:
<error>
}
setState(<choice.loopBackStateNumber>); <! loopback/exit decision !>
try _errHandler.sync(self)
_alt = try getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx)
} while (_alt != <choice.exitAlt> && _alt != ATN.INVALID_ALT_NUMBER)
>>

```

```

Sync(s) ::= "sync(<s.expecting.name>);"

```

```

ThrowNoViableAlt(t) ::= "throw ANTLRException.recognition(e: NoViableAltException(self))"

```

```

TestSetInline(s) ::= <<
<!<s.bitsets:{bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">!>
//closure
{ () -> Bool in
<if(rest(s.bitsets)>var<else>let<endif> testSet: Bool = <first(s.bitsets):{bits |
<if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s, bits)><endif>}>
<rest(s.bitsets):{bits | testSet = testSet || <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s,
bits)><else><bitsetInlineComparison(s, bits)><endif>}; separator="\n">
return testSet
}()
>>

```

```

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>

```

```

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <<
<!(<testShiftInRange({<offsetShift(s.varName, bits.shift)>})> && ((1 \<< <offsetShift(s.varName, bits.shift)>) &
(<bits.ttypes:{ttype | (1 \<< <offsetShift(ttype, bits.shift)>}); separator=" | ">)) != 0)!>
{ () -> Bool in
<! let test: Bool = (<testShiftInRange({<offsetShift(s.varName, bits.shift)>})>)!>
<!var temp: Int64 = Int64(<offsetShift(s.varName, bits.shift)>)!>

```

```

<!temp = (temp \< 0) ? (64 + (temp % 64)) : (temp % 64)!>
<!let test1: Int64 = (Int64(1) \<\< temp)!>
<!var test2: Int64 = (<first(bits.ttypes):{ ttype | Utils.bitLeftShift(<offsetShift(parserName(ttype), bits.shift)>)}>)!>
<!\<rest(bits.ttypes):{ ttype | test2 = test2 | Utils.bitLeftShift(<offsetShift(parserName(ttype), bits.shift)>)}>);
separator="\n">!>
let testArray: [Int] = [<s.varName>, <bits.ttypes:{ ttype |<parserName(ttype)>}; separator=", ">]
<!var test2: Int64 = Utils.testBitLeftShiftArray(testArray)!>
return Utils.testBitLeftShiftArray(testArray, <bits.shift>)
}()
>>

```

```

isZero ::= [
"0": true,
default: false
]
parserName(ttype) ::= <%
<parser.name>.Tokens.<ttype>.rawValue
%>
offsetShift(shiftAmount, offset) ::= <%
<if(!isZero(offset))><shiftAmount> - <offset><else><shiftAmount><endif>
%>

```

```

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ ttype | <s.varName> == <parser.name>.Tokens.<ttype>.rawValue }; separator=" || ">
%>

```

```

cases(ttypes) ::= <<
<trunc(ttypes): { t | case .<t>:fallthrough } ; separator="\n">
<last(ttypes): { t | case .<t>: } ; separator="\n">
>>

```

```

InvokeRule(r, argExprsChunks) ::= <<
setState(<r.stateNumber>)
<if(r.labels)>
try {
let assignmentValue = try
<r.name>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprsChunks>)
<r.labels:{l | <labelref(l)> = assignmentValue } ; separator="\n">
}()
<else>try
<r.name>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprsChunks>)<endif>
>>

```

```

MatchToken(m) ::= <<
setState(<m.stateNumber>)
<if(m.labels)>
try {

```

```

let assignmentValue = try match(<parser.name>.Tokens.<m.name>.rawValue)
<m.labels:{1 | <labelref(l)> = assignmentValue} ; separator="\n">
  }()
<else>try match(<parser.name>.Tokens.<m.name>.rawValue)<endif>
>>

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
setState(<m.stateNumber>)
<if(m.labels)><m.labels:{1 | <labelref(l)> = }>try _input.LT(1)<endif>
<capture>
if (<if(invert)><m.varName> \<= 0 || <else>!<endif><expr>) {
  <if(m.labels)><m.labels:{1 | <labelref(l)> = }><endif>try _errHandler.recoverInline(self)<if(m.labels)> as
  Token<endif>
}
else {
  _errHandler.reportMatch(self)
  try consume()
}
>>

Wildcard(w) ::= <<
setState(<w.stateNumber>)
<if(w.labels)><w.labels:{1 | <labelref(l)> = }><endif>try matchWildcard();
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
setState(<p.stateNumber>)
if (!(<chunks>)) {
  throw ANTLRException.recognition(e:FailedPredicateException(self, <p.predicate><if(failChunks)>,
<failChunks><elseif(p.msg)>, <p.msg><endif>))
}
>>

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
  <catchAction>
}
>>

```

```
// lexer actions are not associated with model objects
```

```
LexerSkipCommand() ::= "skip()"
```

```
LexerMoreCommand() ::= "more()"
```

```
LexerPopModeCommand() ::= "popMode()"
```

```
LexerTypeCommand(arg) ::= "_type = <arg>"
```

```
LexerChannelCommand(arg) ::= "_channel = <arg>"
```

```
LexerModeCommand(arg) ::= "_mode = <arg>"
```

```
LexerPushModeCommand(arg) ::= "pushMode(<arg>)"
```

```
ActionText(t) ::= "<t.text>"
```

```
ActionTemplate(t) ::= "<t.st>"
```

```
ArgRef(a) ::= "_localctx.<a.name>"
```

```
LocalRef(a) ::= "_localctx.<a.name>"
```

```
RetValRef(a) ::= "_localctx.<a.name>"
```

```
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"
```

```
/** How to translate $tokenLabel */
```

```
TokenRef(t) ::= "<ctx(t)>.<t.name>"
```

```
LabelRef(t) ::= "<ctx(t)>.<t.name>"
```

```
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"
```

```
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>"
```

```
TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
```

```
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"
```

```
TokenPropertyRef_text(t) ::= "<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getText()! : \"\""
```

```
TokenPropertyRef_type(t) ::= "<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getType() : 0"
```

```
TokenPropertyRef_line(t) ::= "<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getLine() : 0"
```

```
TokenPropertyRef_pos(t) ::= "<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getCharPositionInLine() : 0"
```

```
TokenPropertyRef_channel(t) ::= "<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getChannel() : 0"
```

```
TokenPropertyRef_index(t) ::= "<ctx(t)>.<t.label> != nil ? <ctx(t)>.<t.label>!.getTokenIndex() : 0"
```

```
TokenPropertyRef_int(t) ::= "<ctx(t)>.<t.label> != nil ? Int(<ctx(t)>.<t.label>!.getText()!) : 0"
```

```
RulePropertyRef_start(r) ::= "<ctx(r)>.<r.label> != nil ? (<ctx(r)>.<r.label>!.start?.description ?? \"\") : \"\""
```

```
RulePropertyRef_stop(r) ::= "<ctx(r)>.<r.label> != nil ? (<ctx(r)>.<r.label>!.stop?.description ?? \"\") : \"\""
```

```
RulePropertyRef_text(r) ::= "<ctx(r)>.<r.label> != nil ? try
```

```
_input.getText(<ctx(r)>.<r.label>!.start,<ctx(r)>.<r.label>!.stop) : \"\""
```

```
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
```

```
RulePropertyRef_parser(r) ::= "self"
```

```
ThisRulePropertyRef_start(r) ::= "_localctx.start"
```

```
ThisRulePropertyRef_stop(r) ::= "_localctx.stop"
```

```
ThisRulePropertyRef_text(r) ::= "(try _input.getText(_localctx.start, try _input.LT(-1)))"
```

```
ThisRulePropertyRef_ctx(r) ::= "_localctx"
```

```
ThisRulePropertyRef_parser(r) ::= "self"
```

```

NonLocalAttrRef(s) ::= "((<s.ruleName; format=\"cap\">Context)getInvokingContext(<s.ruleIndex>)).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::=
"((<s.ruleName; format=\"cap\">Context)getInvokingContext(<s.ruleIndex>)).<s.name> = <rhsChunks>"

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.append(<labelref(a.label)>)"

TokenDecl(t) ::= "<t.name>: <SwiftTypeMap.(TokenLabelType())>!"
TokenTypeDecl(t) ::= "var <t.name>: Int = 0"
TokenListDecl(t) ::= "<t.name>: [Token] = [Token]()"
RuleContextDecl(r) ::= "<r.name>: <r.ctxName>!"
RuleContextListDecl(rdecl) ::= "<rdecl.name>: [<rdecl.ctxName>] = [<rdecl.ctxName>]()"

ContextTokenGetterDecl(t) ::= <<
<accessLevelOpenOK(parser)>
func <t.name>() -> TerminalNode? {
    return getToken(<parser.name>.Tokens.<t.name>.rawValue, 0)
}
>>

ContextTokenListGetterDecl(t) ::= <<
<accessLevelOpenOK(parser)>
func <t.name>() -> [TerminalNode] {
    return getTokens(<parser.name>.Tokens.<t.name>.rawValue)
}
>>

ContextTokenListIndexedGetterDecl(t) ::= <<
<accessLevelOpenOK(parser)>
func <t.name>(_ i: Int) -> TerminalNode? {
    return getToken(<parser.name>.Tokens.<t.name>.rawValue, i)
}
>>

ContextRuleGetterDecl(r) ::= <<
<accessLevelOpenOK(parser)>
func <r.name>() -> <r.ctxName>? {
    return getRuleContext(<r.ctxName>.self, 0)
}
>>

ContextRuleListGetterDecl(r) ::= <<
<accessLevelOpenOK(parser)>
func <r.name>() -> [<r.ctxName>] {
    return getRuleContexts(<r.ctxName>.self)
}
>>

ContextRuleListIndexedGetterDecl(r) ::= <<
<accessLevelOpenOK(parser)>
func <r.name>(_ i: Int) -> <r.ctxName>? {
    return getRuleContext(<r.ctxName>.self, i)
}
>>

```

```

LexerRuleContext() ::= "RuleContext"

/** The rule context name is the rule followed by a suffix; e.g.,
 * r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "_<tokenName>"
ImplicitRuleLabel(ruleName) ::= "_<ruleName>"
ImplicitSetLabel(id) ::= "_tset<id>"
ListLabelName(label) ::= "<label>"

CaptureNextToken(d) ::= "<d.varName> = try _input.LT(1)"
CaptureNextTokenType(d) ::= "<d.varName> = try _input.LA(1)"

StructDecl(struct,ctorAttrs,attrs,getters,dispatchMethods,interfaces,extensionMembers,
    superClass={ParserRuleContext}) ::= <<

<accessLevelNotOpen(parser)> class <struct.name>:
<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)>, <interfaces;
separator=", "><endif> {
  <attrs:{ a | <accessLevelOpenOK(parser)> var <a>}; separator="\n">
  <getters:{ g | <g>}; separator="\n">
  <! <if(ctorAttrs)> <accessLevelNotOpen(parser)> init(_ parent: ParserRuleContext,_ invokingState: Int) {
super.init(parent, invokingState) }<endif> !>
  <if(ctorAttrs)>
  <accessLevelNotOpen(parser)> convenience init(_ parent: ParserRuleContext?, _ invokingState: Int<ctorAttrs:{ a | ,
_ <a>}> ) {
self.init(parent, invokingState)
  <struct.ctorAttrs:{ a | self.<a.name> = <a.name>;}; separator="\n">
  }
  <endif>

  override <accessLevelOpenOK(parser)>
  func getRuleIndex() -> Int {
return <parser.name>.RULE_<struct.derivedFromName>
  }
  <if(struct.provideCopyFrom && struct.attrs)> <! don't need copy unless we have subclasses !>
  <accessLevelOpenOK(parser)>
  override func copyFrom(_ ctx_: ParserRuleContext) {
super.copyFrom(ctx_)
let ctx = ctx_ as! <struct.name>
  <struct.attrs:{ a | self.<a.name> = ctx.<a.name>;}; separator="\n">
  }
  <endif>
  <dispatchMethods; separator="\n">
  <extensionMembers; separator="\n">

```



```
}  
>>
```

```
AltLabelStructDecl(struct,attrs, getters,dispatchMethods) ::= <<  
<accessLevelNotOpen(parser)> class <struct.name>: <currentRule.name> format="cap">Context {  
  <attrs:{a | <accessLevelNotOpen(parser)> var <a>}; separator="\n">  
  <getters:{g | <g>}; separator="\n">  
  
  <accessLevelNotOpen(parser)>  
  init(_ ctx: <currentRule.name> format="cap">Context) {  
    super.init()  
    copyFrom(ctx)  
  }  
  <dispatchMethods; separator="\n">  
}  
>>
```

```
ListenerDispatchMethod(method) ::= <<  
override <accessLevelOpenOK(parser)>  
func <if(method.isEnter)>enter<else>exit<endif>Rule(_ listener: ParseTreeListener) {  
  if let listener = listener as? <parser.grammarName>Listener {  
    listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName> format="cap">(self)  
  }  
}  
>>
```

```
VisitorDispatchMethod(method) ::= <<  
override <accessLevelOpenOK(parser)>  
func accept<T>(<_ visitor: ParseTreeVisitor<T> -> T? {  
  if let visitor = visitor as? <parser.grammarName>Visitor {  
    return visitor.visit<struct.derivedFromName> format="cap">(self)  
  }  
  else if let visitor = visitor as? <parser.grammarName>BaseVisitor {  
    return visitor.visit<struct.derivedFromName> format="cap">(self)  
  }  
  else {  
    return visitor.visitChildren(self)  
  }  
}  
>>
```

```
AttributeDecl(d) ::= "<d.name>: <SwiftTypeMap.(d.type)><if(d.initValue)> = <d.initValue><else>!<endif>"
```

```
/** If we don't know location of label def x, use this template (_localctx as! <x.ctx.name> */  
labelref(x) ::= "<if(!x.isLocal)>_localctx.castdown(<x.ctx.name>.self).<endif><x.name>"
```

```
/** For any action chunk, what is correctly-typed context struct ptr? */  
ctx(actionChunk) ::= "_localctx.castdown(<actionChunk.ctx.name>.self)"
```

```

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "precpred(_ctx, <opPrec>)"
recRuleSetReturnAction(src,name) ::= "$<name>=<src>.<name>"
recRuleSetStopToken() ::= "_ctx!.stop = try _input.LT(-1)"

recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
_localctx = <ctxName>Context(_parentctx, _parentState);
<if(label)>
<if(isListLabel)>
_localctx.<label>.append(_prevctx)
<else>
_localctx.<label> = _prevctx
<endif>
<endif>
<if(label)>_localctx.<label> = _prevctx;<endif>
try pushNewRecursionContext(_localctx, _startState, <parser.name>.RULE_<ruleName>)
>>

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
_localctx = <currentAltLabel; format="cap">Context( <ruleName; format="cap">Context(_parentctx,
_parentState))
<if(label)>
<if(isListLabel)>
(_localctx as! <currentAltLabel; format="cap">Context).<label>.append(_prevctx)
<else>
(_localctx as! <currentAltLabel; format="cap">Context).<label> = _prevctx
<endif>
<endif>
try pushNewRecursionContext(_localctx, _startState, <parser.name>.RULE_<ruleName>)
>>

recRuleReplaceContext(ctxName) ::= <<
_localctx = <ctxName>Context(_localctx)
_ctx = _localctx
_prevctx = _localctx
>>

recRuleSetPrevCtx() ::= <<
if _parseListeners != nil {
try triggerExitRuleEvent()
}
_prevctx = _localctx
>>

LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>

```

```

<if(lexerFile.genPackage)>
<!package <lexerFile.genPackage>;!>
<endif>
<namedActions.header>
import Antlr4

<lexer>
>>
Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
<accessLevelOpenOK(lexer)> class <lexer.name>: <superClass; null="Lexer"> {

internal static var _decisionToDFA: [DFA] = {
    var decisionToDFA = [DFA]()
    let length = <lexer.name>._ATN.getNumberOfDecisions()
    for i in 0..<length {
        <! decisionToDFA[i] = DFA(<lexer.name>._ATN.getDecisionState(i)!, i);!>
        decisionToDFA.append(DFA(<lexer.name>._ATN.getDecisionState(i)!, i))
    }
    return decisionToDFA
}()

internal static let _sharedContextCache = PredictionContextCache()

<accessLevelNotOpen(lexer)>
<if(lexer.tokens)>
static let <lexer.tokens>:{k | <k>=<lexer.tokens.(k)>}; separator=", ", wrap, anchor>
<endif>

<if(lexer.channels)>
<accessLevelNotOpen(lexer)>
static let <lexer.channels>:{k | <k>=<lexer.channels.(k)>}; separator=", ", wrap, anchor>
<endif>
<if(rest(lexer.modes))>
<accessLevelNotOpen(lexer)>
static let <rest(lexer.modes):{m | <m>=<i>}; separator=", ", wrap, anchor>
<endif>
<accessLevelNotOpen(lexer)>
static let channelNames: [String] = [
    "DEFAULT_TOKEN_CHANNEL", "HIDDEN"<if (lexer.channels)>, <lexer.channels:{c | "<c>">}; separator=", ",
wrap, anchor><endif>
]

<accessLevelNotOpen(lexer)>
static let modeNames: [String] = [
    <lexer.modes:{m | "<m>">}; separator=", ", wrap, anchor>
]

<accessLevelNotOpen(lexer)>

```

```

static let ruleNames: [String] = [
  <lexer.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor>
]

<vocabulary(lexer.literalNames, lexer.symbolicNames,
  accessLevelNotOpen(lexer))>

<namedActions.members>

override <accessLevelOpenOK(lexer)>
func getVocabulary() -> Vocabulary {
  return <lexer.name>.VOCABULARY
}

<accessLevelNotOpen(lexer)>
required init(_ input: CharStream) {
  RuntimeMetaData.checkVersion("<lexerFile.ANTLRVersion>", RuntimeMetaData.VERSION)
  super.init(input)
  _interp = LexerATNSimulator(self, <lexer.name>._ATN, <lexer.name>._decisionToDFA,
<lexer.name>._sharedContextCache)
}

override <accessLevelOpenOK(lexer)>
func getGrammarFileName() -> String { return "<lexer.grammarFileName>" }

override <accessLevelOpenOK(lexer)>
func getRuleNames() -> [String] { return <lexer.name>.ruleNames }

override <accessLevelOpenOK(lexer)>
func getSerializedATN() -> String { return <lexer.name>._serializedATN }

override <accessLevelOpenOK(lexer)>
func getChannelNames() -> [String] { return <lexer.name>.channelNames }

override <accessLevelOpenOK(lexer)>
func getModeNames() -> [String] { return <lexer.name>.modeNames }

override <accessLevelOpenOK(lexer)>
func getATN() -> ATN { return <lexer.name>._ATN }

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>
<atn>

<accessLevelNotOpen(lexer)>
static let _serializedATN: String = <lexer.name>ATN().jsonString

<accessLevelNotOpen(lexer)>
static let _ATN: ATN = ATNDeserializer().deserializeFromJson(_serializedATN)

```

```
}
>>

/** Don't need to define anything. The tool generates a XParserATN.swift file (and same for lexer)
 * which is referenced from static field _serializedATN. This json string is passed to
 * deserializeFromJson(). Note this is not the "serialization as array of ints" that other targets
 * do. It is more or less the output of ATNPrinter which gets read back in.
 */
SerializedATN(model) ::= <<
>>
```

```
/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
<SwiftTypeInitMap.(typeName)>
>>
```

```
codeFileExtension() ::= ".swift"
```

Found in path(s):

```
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-
jar/org/antlr/v4/tool/templates/codegen/Swift/Swift.stg
```

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*/

/*

This file contains the actual layout of the messages emitted by ANTLR.

The text itself is coming out of the languages/*stg files, according to the chosen locale.

This file contains the default format ANTLR uses.

*/

```
location(file, line, column) ::= "<file>(<line>,<column>)"
```

```
message(id, text) ::= "error <id> : <text>"
```

```
report(location, message, type) ::= "<location> : <type> <message.id> : <message.text>"
```

```
wantsSingleLineMessage() ::= "true"
```

Found in path(s):

```
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/tool/templates/messages/formats/vs2005.stg
```

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*/

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* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/parse/ANTLRParser.java

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* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-

jar/org/antlr/v4/tool/templates/codegen/Cpp/Files.stg

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*/

Found in path(s):

* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/gui/GraphicsSupport.java

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*/

```

```

phpTypeInitMap ::= [
  "int": "0",
  "long": "0",
  "float": "0.0",
  "double": "0.0",
  "boolean": "false",
  default: "null"
]

```

```

// args must be <object-model-object>, <fields-resulting-in-STs>

```

```

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<parser>
>>

```

```

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage>;
<endif>
<header>
use Antlr\Antlr4\Runtime\Tree\ParseTreeListener;

```

```

/**
 * This interface defines a complete listener for a parse tree produced by
 * { @see <file.parserName> }.
 */
interface <file.grammarName>Listener extends ParseTreeListener {
  <file.listenerNames>: {Iname |
/**
<if(file.listenerLabelRuleNames.(Iname))>
 * Enter a parse tree produced by the `<Iname>`
 * labeled alternative in { @see <file.parserName>::<file.listenerLabelRuleNames.(Iname)>() }.
<else>

```

```

* Enter a parse tree produced by { @see <file.parserName>::<lname>()\}.
<endif>
* @param $context The parse tree.
*/
public function enter<lname; format="cap">(Context\<lname; format="cap">Context $context) : void;
/**
<if(file.listenerLabelRuleNames.(lname))>
* Exit a parse tree produced by the `<lname>` labeled alternative
* in { @see <file.parserName>::<file.listenerLabelRuleNames.(lname)>()\}.
<else>
* Exit a parse tree produced by { @see <file.parserName>::<lname>()\}.
<endif>
* @param $context The parse tree.
*/
public function exit<lname; format="cap">(Context\<lname; format="cap">Context $context) : void;
separator="\n">
}
>>

BaseListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage>;
<endif>
<header>

use Antlr\Antlr4\Runtime\ParserRuleContext;
use Antlr\Antlr4\Runtime\Tree\ErrorNode;
use Antlr\Antlr4\Runtime\Tree\TerminalNode;

/**
* This class provides an empty implementation of { @see <file.grammarName>Listener},
* which can be extended to create a listener which only needs to handle a subset
* of the available methods.
*/
class <file.grammarName>BaseListener implements <file.grammarName>Listener
{
<file.listenerNames: {lname |
/**
* { @inheritdoc}
*
* The default implementation does nothing.
*/
public function enter<lname; format="cap">(Context\<lname; format="cap">Context $context) : void {}

/**
* { @inheritdoc}
*

```

```

* The default implementation does nothing.
*/
public function exit<lname; format="cap">(Context\<lname; format="cap">Context $context) : void {\};
separator="\n">

/**
 * {@inheritdoc}
 *
 * The default implementation does nothing.
 */
public function enterEveryRule(ParserRuleContext $context) : void {}

/**
 * {@inheritdoc}
 *
 * The default implementation does nothing.
 */
public function exitEveryRule(ParserRuleContext $context) : void {}

/**
 * {@inheritdoc}
 *
 * The default implementation does nothing.
 */
public function visitTerminal(TerminalNode $node) : void {}

/**
 * {@inheritdoc}
 *
 * The default implementation does nothing.
 */
public function visitErrorNode(ErrorNode $node) : void {}
}
>>

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage>;
<endif>

<header>
use Antlr\Antlr4\Runtime\Tree\ParseTreeVisitor;

/**
 * This interface defines a complete generic visitor for a parse tree produced by {@see <file.parserName>}.
 */
interface <file.grammarName>Visitor extends ParseTreeVisitor

```

```

{
  <file.visitorNames:{Iname |
/**
<if(file.visitorLabelRuleNames.(Iname))>
* Visit a parse tree produced by the `<Iname>` labeled alternative
* in { @see <file.parserName>::<file.visitorLabelRuleNames.(Iname)>()}.
<else>
* Visit a parse tree produced by { @see <file.parserName>::<Iname>()}.
<endif>
*
* @param Context\\<Iname; format="cap">Context $context The parse tree.
*
* @return mixed The visitor result.
*/
public function visit<Iname; format="cap">(Context\\<Iname; format="cap">Context $context);
separator="\n\n"
}
>>

```

```

BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage>;
<endif>
<header>
use Antlr\\Antlr4\\Runtime\\Tree\\AbstractParseTreeVisitor;

/**
* This class provides an empty implementation of { @see <file.grammarName>Visitor},
* which can be extended to create a visitor which only needs to handle a subset
* of the available methods.
*/
class <file.grammarName>BaseVisitor extends AbstractParseTreeVisitor implements <file.grammarName>Visitor
{
  <file.visitorNames:{Iname |
/**
* { @inheritdoc}
*
* The default implementation returns the result of calling
* { @see self::visitChildren()} on `context`.
*/
public function visit<Iname; format="cap">(Context\\<Iname; format="cap">Context $context)
{
  return $this->visitChildren($context);
}}; separator="\n\n"
}
>>

```

```

fileHeader(grammarFileName, ANTLRVersion) ::= <<
\<?php

/*
* Generated from <grammarFileName> by ANTLR <ANTLRVersion>
*/

>>
Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
namespace<if(file.genPackage)> <file.genPackage><endif> {
<if(namedActions.header)><namedActions.header><endif>
use Antlr\Antlr4\Runtime\Atn\ATN;
use Antlr\Antlr4\Runtime\Atn\ATNDeserializer;
use Antlr\Antlr4\Runtime\Atn\ParserATNSimulator;
use Antlr\Antlr4\Runtime\Dfa\DFA;
use Antlr\Antlr4\Runtime\Error\Exceptions\FailedPredicateException;
use Antlr\Antlr4\Runtime\Error\Exceptions\NoViableAltException;
use Antlr\Antlr4\Runtime\PredictionContexts\PredictionContextCache;
use Antlr\Antlr4\Runtime\Error\Exceptions\RecognitionException;
use Antlr\Antlr4\Runtime\RuleContext;
use Antlr\Antlr4\Runtime\Token;
use Antlr\Antlr4\Runtime\TokenStream;
use Antlr\Antlr4\Runtime\Vocabulary;
use Antlr\Antlr4\Runtime\VocabularyImpl;
use Antlr\Antlr4\Runtime\RuntimeMetaData;
use Antlr\Antlr4\Runtime\Parser;
<if(namedActions.definitions)><namedActions.definitions><endif>

final class <parser.name> extends <superClass; null="Parser">
{
<if(parser.tokens)>
public const <parser.tokens>:{k | <k> = <parser.tokens.(k)>}; separator=", ", wrap, anchor>;
<endif>

<if(parser.rules)>
public const <parser.rules>:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>;
<endif>

/**
* @var array<string>
*/
public const RULE_NAMES = [
<parser.ruleNames>:{r | '<r>'}; separator=", ", wrap, anchor>
];

```

```

<vocabulary(parser.literalNames, parser.symbolicNames)>

<atn>
protected static $atn;
protected static $decisionToDFA;
protected static $sharedContextCache;
<if(namedActions.members)>

<namedActions.members>
<endif>

<parser:(ctor())>

private static function initialize() : void
{
if (self::$atn !== null) {
return;
}

RuntimeMetaData::checkVersion('<file.ANTLRVersion>', RuntimeMetaData::VERSION);

$atn = (new ATNDeserializer()->deserialize(self::SERIALIZED_ATN);

$decisionToDFA = [];
for ($i = 0, $count = $atn->getNumberOfDecisions(); $i < $count; $i++) {
$decisionToDFA[] = new DFA($atn->getDecisionState($i), $i);
}

self::$atn = $atn;
self::$decisionToDFA = $decisionToDFA;
self::$sharedContextCache = new PredictionContextCache();
}

public function getGrammarFileName() : string
{
return "<parser.grammarFileName>";
}

public function getRuleNames() : array
{
return self::RULE_NAMES;
}

public function getSerializedATN() : string
{
return self::SERIALIZED_ATN;
}

```

```

}

public function getATN() : ATN
{
return self::$atn;
}

public function getVocabulary() : Vocabulary
{
static $vocabulary;

return $vocabulary = $vocabulary ?? new VocabularyImpl(self::LITERAL_NAMES, self::SYMBOLIC_NAMES);
}
<if(funcs)>

<funcs; separator="\n\n">
<endif>
<if(sempredFuncs)>

public function sempred(?RuleContext $localContext, int $ruleIndex, int $predicateIndex) : bool
{
switch ($ruleIndex) {
<parser.sempredFuncs.values:{f}
case <f.ruleIndex>:
return $this->sempred<f.name; format="cap">($localContext, $predicateIndex);}; separator="\n\n">

default:
return true;
}
}

<sempredFuncs.values; separator="\n\n">
<endif>
}
}

namespace <if(file.genPackage)><file.genPackage>\\<endif>Context {
use Antlr\\Antlr4\\Runtime\\ParserRuleContext;
use Antlr\\Antlr4\\Runtime\\Token;
use Antlr\\Antlr4\\Runtime\\Tree\\ParseTreeVisitor;
use Antlr\\Antlr4\\Runtime\\Tree\\TerminalNode;
use Antlr\\Antlr4\\Runtime\\Tree\\ParseTreeListener;
use <if(file.genPackage)><file.genPackage>\\<endif><parser.name>;
<if (file.genVisitor)>use <if(file.genPackage)><file.genPackage>\\<endif><file.grammarName>Visitor;<endif>
<if (file.genListener)>use <if(file.genPackage)><file.genPackage>\\<endif><file.grammarName>Listener;<endif>
<namedActions.contexts>

<funcs :{ func | <func.ruleCtx><if(func.altLabelCtxs)>

```

```

<func.altLabelCtxs:{l | <func.altLabelCtxs.(l)>}; separator="\n\n"><endif> }; separator="\n\n">
}
>>

```

```

vocabulary(literalNames, symbolicNames) ::= <<
/**
 * @var array<string|null>
 */
private const LITERAL_NAMES = [
  <literalNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
];

/**
 * @var array<string>
 */
private const SYMBOLIC_NAMES = [
  <symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
];
>>

```

```

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>

```

```

public function action(?RuleContext $localContext, int $ruleIndex, int $actionIndex) : void
{
  switch ($ruleIndex) {
    <recog.actionFuncs.values:{f}
    case <f.ruleIndex>:
      $this->action<f.name; format="cap">($localContext, $actionIndex);
      break;}; separator="\n\n">
  }
}

```

```

<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>

```

```

public function sempred(?RuleContext $localContext, int $ruleIndex, int $predicateIndex) : bool
{
  switch ($ruleIndex) {
    <recog.sempredFuncs.values:{f}
    case <f.ruleIndex>:
      return $this->sempred<f.name; format="cap">($localContext, $predicateIndex);}; separator="\n\n">
  }

  return true;
}

```



```

<sempredFuncs.values; separator="\n\n">
<endif>
>>

parser_ctor(p) ::= <<
public function __construct(TokenStream $input)
{
parent::__construct($input);

self::initialize();

$this->interp = new ParserATNSimulator($this, self::$atn, self::$decisionToDFA, self::$sharedContextCache);
}
>>

/**
 * This generates a private method since the actionIndex is generated, making
 * an overriding implementation impossible to maintain.
 */
RuleActionFunction(r, actions) ::= <<
private function action<r.name; format="cap">(?<r.ctxType> $localContext, int $actionIndex) : void
{
switch ($actionIndex) {
<actions:{index|
case <index>:
<actions.(index)>

break;}; separator="\n\n">
}
}
>>

/**
 * This generates a private method since the predicateIndex is generated, making
 * an overriding implementation impossible to maintain.
 */
RuleSempredFunction(r, actions) ::= <<
private function sempred<r.name; format="cap">(Context\<r.ctxType> $localContext, int $predicateIndex) : bool
{
switch ($predicateIndex) {
<actions:{index|
case <index>:
return <actions.(index)>;}; separator="\n\n">
}

return true;
}
>>

```

```

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,exceptions,postamble)
 ::= <<
 /**
 * @throws RecognitionException
 */
 <if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><endif>public function <currentRule.name>(<args;
 separator=", ">) : Context\<<currentRule.ctxType>
 {
   $localContext = new Context\<<currentRule.ctxType>($this->ctx, $this->getState())<currentRule.args:{a | ,
 $<a.name>}>);

   $this->enterRule($localContext, <currentRule.startState>, self::RULE_<currentRule.name>);
   <namedActions.init>
   <locals; separator="\n">

   try {
     <code>
     <postamble; separator="\n">
     <namedActions.after>
   }<if(exceptions)><exceptions; separator="\n"><else> catch (RecognitionException $exception) {
     $localContext->exception = $exception;
     $this->errorHandler->reportError($this, $exception);
     $this->errorHandler->recover($this, $exception);
   }<endif> finally {
     <finallyAction>
     $this->exitRule();
   }

   return $localContext;
 }
 >>

```

```

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamb
le) ::= <<
 /**
 * @throws RecognitionException
 */
 <if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><endif>public function <currentRule.name>(<args;
 separator=", ">) : Context\<<currentRule.ctxType>
 {
   return $this->recursive<currentRule.name; format="cap">(0<currentRule.args:{a | , <a.name>}>);
 }

 /**
 * @throws RecognitionException
 */
 private function recursive<currentRule.name; format="cap">(int $precedence<args:{a | , <a>}>) :

```

```

Context\<currentRule.ctxType>
{
  $parentContext = $this->ctx;
  $parentState = $this->getState();
  $localContext = new Context\<currentRule.ctxType>($this->ctx, $parentState<currentRule.args: { a | ,
<a.name>}>);
  $previousContext = $localContext;
  $startState = <currentRule.startState>;
  $this->enterRecursionRule($localContext, <currentRule.startState>, self::RULE_<currentRule.name>,
$precedence);
  <namedActions.init>
  <locals; separator="\n">

  try {
    <code>
    <postamble; separator="\n">
    <namedActions.after>
  } catch (RecognitionException $exception) {
    $localContext->exception = $exception;
    $this->errorHandler->reportError($this, $exception);
    $this->errorHandler->recover($this, $exception);
  } finally {
    <finallyAction>
    $this->unrollRecursionContexts($parentContext);
  }

  return $localContext;
}
>>

```

```

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>$localContext = new
Context\<currentOuterMostAltCodeBlock.altLabel; format="cap">Context($localContext);<endif>
$this->enterOuterAlt($localContext, <currentOuterMostAltCodeBlock.alt.altNum>);
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

```

```

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
>>

```

```

LL1AltBlock(choice, preamble, alts, error) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);
<if(choice.label)><labelref(choice.label)> = $this->input->LT(1);<endif>
<preamble; separator="\n">

```

```
switch ($this->input->LA(1)) {
    <choice.altLook,alts:{look,alt| <cases(ttypes=look)>
    <alt>
    break;}; separator="\n\n">
```

```
default:
```

```
<error>
}
>>
```

```
LL1OptionalBlock(choice, alts, error) ::= <<
```

```
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);
```

```
switch ($this->input->LA(1)) {
    <choice.altLook,alts:{look,alt| <cases(ttypes=look)>
    <alt>
    break;}; separator="\n\n">
```

```
default:
```

```
break;
}
>>
```

```
LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
```

```
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);
<preamble; separator="\n">
```

```
if (<expr>) {
    <alts; separator="\n">
}
>>
```

```
LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
```

```
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);

<preamble; separator="\n">
while (<loopExpr>) {
    <alts; separator="\n">
    $this->setState(<choice.loopBackStateNumber>);
    $this->errorHandler->sync($this);
    <iteration>
}
>>
```

```

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
$this->setState(<choice.blockStartStateNumber>); <! alt block decision !>
$this->errorHandler->sync($this);

<preamble; separator="\n">
do {
  <alts; separator="\n">
  $this->setState(<choice.stateNumber>); <! loopback/exit decision !>
  $this->errorHandler->sync($this);
  <iteration>
} while (<loopExpr>);
>>

// LL(*) stuff

AltBlock(choice, preamble, alts, error) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);
<if(choice.label)><labelref(choice.label)> = $this->input->LT(1);<endif>
<preamble; separator="\n">

switch ($this->getInterpreter()->adaptivePredict($this->input, <choice.decision>, $this->ctx)) {
  <alts:{ alt |
case <i>:
  <alt>
break; }; separator="\n\n">
}
>>

OptionalBlock(choice, alts, error) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);

switch ($this->getInterpreter()->adaptivePredict($this->input, <choice.decision>, $this->ctx)) {
<alts:{ alt |
  case <i><if(!choice.ast.greedy)>+1<endif>:
  <alt>
break; }; separator="\n\n">
}
>>

StarBlock(choice, alts, sync, iteration) ::= <<
$this->setState(<choice.stateNumber>);
$this->errorHandler->sync($this);

$alt = $this->getInterpreter()->adaptivePredict($this->input, <choice.decision>, $this->ctx);

while ($alt !== <choice.exitAlt> && $alt !== ATN::INVALID_ALT_NUMBER) {

```

```

if ($salt == 1 <!(choice.ast.greedy)>+1<endif>) {
    <iteration>
    <alts> <!( should only be one !>
}

$this->setState(<choice.loopBackStateNumber>);
$this->errorHandler->sync($this);

$salt = $this->getInterpreter()->adaptivePredict($this->input, <choice.decision>, $this->ctx);
}
>>

PlusBlock(choice, alts, error) ::= <<
$this->setState(<choice.blockStartStateNumber>); <!( alt block decision !>
$this->errorHandler->sync($this);

$salt = 1 <!(choice.ast.greedy)>+1<endif>;

do {
    switch ($salt) {
    <alts:{alt|
    case <i><!(choice.ast.greedy)>+1<endif>:
    <alt>
    break;}; separator="\n\n">
    default:
    <error>
    }
}

$this->setState(<choice.loopBackStateNumber>); <!( loopback/exit decision !>
$this->errorHandler->sync($this);

$salt = $this->getInterpreter()->adaptivePredict($this->input, <choice.decision>, $this->ctx);
} while ($salt != <choice.exitAlt> && $salt != ATN::INVALID_ALT_NUMBER);
>>

Sync(s) ::= "sync(<s.expecting.name>);"

ThrowNoViableAlt(t) ::= "throw new NoViableAltException($this);"

TestSetInline(s) ::= <<
<s.bitsets:{bits | <!(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">
>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>

```

```

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShiftVar(s.varName, bits.shift)>})> && ((1 \<< <offsetShiftVar(s.varName,
bits.shift)>) & (<bits.ttypes:{ttype | (1 \<< <offsetShiftConst(ttype, bits.shift)>)}; separator=" | ">)) !== 0)
%>

isZero ::= [
"0":true,
default:false
]

offsetShiftVar(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(<shiftAmount> - <offset>)<else><shiftAmount><endif>
%>
offsetShiftConst(shiftAmount, offset) ::= <%
<if(!isZero.(offset))>(self::<shiftAmount> - <offset>)<else>self::<shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ ttype | $<s.varName> === self::<ttype>}; separator=" || ">
%>

cases(ttypes) ::= <<
<ttypes:{ t | case self::<t>}; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::= <<
$this->setState(<r.stateNumber>);
<if(r.labels)><r.labels:{1 | <labelref(1)> = }><endif>$this-><if(r.ast.options.p)>recursive<r.name>;
format="cap"><else><r.name><endif>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)><endif><endif>
<argExprsChunks>);
>>

MatchToken(m) ::= <<
$this->setState(<m.stateNumber>);
<if(m.labels)><m.labels:{1 | <labelref(1)> = }><endif>$this->match(self::<m.name>);
>>

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
$this->setState(<m.stateNumber>);

<if(m.labels)><m.labels:{1 | <labelref(1)> = }>$this->input->LT(1);<endif>

```

```

<capture>

if (<if(invert)>${m.varName} \<= 0 || <else>!<endif>(<expr>)) {
    <if(m.labels)><m.labels:{1 | <labelref(l)> = }><endif>${this->errorHandler->recoverInline($this);
} else {
if ($this->input->LA(1) === Token::EOF) {
    $this->matchedEOF = true;
    }

    $this->errorHandler->reportMatch($this);
    $this->consume();
    }
>>

Wildcard(w) ::= <<
$this->setState(<w.stateNumber>);
<if(w.labels)><w.labels:{1 | <labelref(l)> = }><endif>${this->matchWildcard();
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
$this->setState(<p.stateNumber>);

if (!(<chunks>)) {
    throw new FailedPredicateException($this, <p.predicate><if(failChunks)>, <failChunks><elseif(p.msg)>,
<p.msg><endif>);
}
>>

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
    <catchAction>
}
>>

// lexer actions are not associated with model objects

LexerSkipCommand() ::= "$this->skip();"
LexerMoreCommand() ::= "$this->more();"
LexerPopModeCommand() ::= "$this->popMode();"

LexerTypeCommand(arg, grammar) ::= "$this->type = <arg>";
LexerChannelCommand(arg, grammar) ::= "$this->channel = <arg>";

```



```

LexerModeCommand(arg, grammar) ::= "$this->mode = <arg>";
LexerPushModeCommand(arg, grammar) ::= "$this->pushMode(<arg>);"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "$localContext-><a.name>"
LocalRef(a) ::= "$localContext-><a.name>"
RetValRef(a) ::= "$localContext-><a.name>"
QRetValRef(a) ::= "<ctx(a)>-><a.dict>-><a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>-><t.name>"
LabelRef(t) ::= "<ctx(t)>-><t.name>"
ListLabelRef(t) ::= "<ctx(t)>-><ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>-><s.name> = <rhsChunks>";

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "(<ctx(t)>-><t.label> != null ? <ctx(t)>-><t.label>->getText() : null)"
TokenPropertyRef_type(t) ::= "(<ctx(t)>-><t.label> != null ? <ctx(t)>-><t.label>->getType() : 0)"
TokenPropertyRef_line(t) ::= "(<ctx(t)>-><t.label> != null ? <ctx(t)>-><t.label>->getLine() : 0)"
TokenPropertyRef_pos(t) ::= "(<ctx(t)>-><t.label> != null ? <ctx(t)>-><t.label>->getCharPositionInLine() : 0)"
TokenPropertyRef_channel(t) ::= "(<ctx(t)>-><t.label> != null ? <ctx(t)>-><t.label>->getChannel() : 0)"
TokenPropertyRef_index(t) ::= "(<ctx(t)>-><t.label> != null ? <ctx(t)>-><t.label>->getTokenIndex() : 0)"
TokenPropertyRef_int(t) ::= "(<ctx(t)>-><t.label> != null ? (int) <ctx(t)>-><t.label>->getText() : 0)"

RulePropertyRef_start(r) ::= "(<ctx(r)>-><r.label> != null ? (<ctx(r)>-><r.label>->start) : null)"
RulePropertyRef_stop(r) ::= "(<ctx(r)>-><r.label> != null ? (<ctx(r)>-><r.label>->stop) : null)"
RulePropertyRef_text(r) ::= "(<ctx(r)>-><r.label> != null ? $this->input->getTextByTokens(<ctx(r)>-><r.label>->start, <ctx(r)>-><r.label>->stop) : null)"
RulePropertyRef_ctx(r) ::= "<ctx(r)>-><r.label>"
RulePropertyRef_parser(r) ::= "\$this"

ThisRulePropertyRef_start(r) ::= "$localContext->start"
ThisRulePropertyRef_stop(r) ::= "$localContext->stop"
ThisRulePropertyRef_text(r) ::= "$this->input->getTextByTokens($localContext->start, $this->input->LT(-1))"
ThisRulePropertyRef_ctx(r) ::= "$localContext"
ThisRulePropertyRef_parser(r) ::= "$this"

NonLocalAttrRef(s) ::= "\$this->getInvokingContext(<s.ruleIndex>-><s.name>"
SetNonLocalAttr(s, rhsChunks) ::= "\$this->getInvokingContext(<s.ruleIndex>-><s.name> = <rhsChunks>";

AddToLabelList(a) ::= "<ctx(a.label)>-><a.listName>[] = <labelref(a.label)>";

TokenDecl(t) ::= "<TokenLabelType()> $<t.name>"
TokenTypeDecl(t) ::= ""
TokenListDecl(t) ::= "array $<t.name> = []"
RuleContextDecl(r) ::= "<r.ctxName> $<r.name>"

```

```

RuleContextListDecl(rdecl) ::= "array $<rdecl.name> = []"
AttributeDecl(d) ::= "<d.type> $<d.name><if(d.initValue)> = <d.initValue><endif>"

PropertiesDecl(struct) ::= <<
<if(struct.tokenListDecls)>
  <struct.tokenListDecls : {d | /**
  * @var array\<Token>|null $<d.name>
  */
  public $<d.name>;}; separator="\n\n">
<endif>
<if(struct.tokenDecls)>
<if(struct.tokenListDecls)>

<endif>
  <struct.tokenDecls : {d | /**
  * @var <TokenLabelType()>|null $<d.name>
  */
  public $<d.name>;}; separator="\n\n">
<endif>
<if(struct.ruleContextDecls)>
<if(struct.tokenListDecls || struct.tokenDecls)>

<endif>
  <struct.ruleContextDecls : {d | /**
  * @var <d.ctxName>|null $<d.name>
  */
  public $<d.name>;}; separator="\n\n">
<endif>
<if(struct.ruleContextListDecls)>
<if(struct.tokenListDecls || struct.tokenDecls || struct.ruleContextDecls)>

<endif>
  <struct.ruleContextListDecls : {d | /**
  * @var array\<<d.ctxName>|>|null $<d.name>
  */
  public $<d.name>;}; separator="\n\n">
<endif>
<if(struct.attributeDecls)>
<if(struct.tokenListDecls || struct.tokenDecls || struct.ruleContextDecls || struct.ruleContextListDecls)>

<endif>
  <struct.attributeDecls : {d | /**
  * @var <d.type><if(!d.initValue)>|null<endif> $<d.name>
  */
  public $<d.name><if(d.initValue)> = <d.initValue><endif>;}; separator="\n\n">
<endif>

>>

```

```

ContextTokenGetterDecl(t) ::= <<
public function <t.name>() : ?TerminalNode
{
    return $this->getToken(<parser.name>::<t.name>, 0);
}
>>

```

```

ContextTokenListGetterDecl(t) ::= <<
>>

```

```

ContextTokenListIndexedGetterDecl(t) ::= <<
/**
 * @return array<TerminalNode>|TerminalNode|null
 */
public function <t.name>(int $index = null)
{
    if ($index === null) {
        return $this->getTokens(<parser.name>::<t.name>);
    }

    return $this->getToken(<parser.name>::<t.name>, $index);
}
>>

```

```

ContextRuleGetterDecl(r) ::= <<
public function <r.name>() : ?<r.ctxName>
{
    return $this->getTypedRuleContext(<r.ctxName>::class, 0);
}
>>

```

```

ContextRuleListGetterDecl(r) ::= <<
>>

```

```

ContextRuleListIndexedGetterDecl(r) ::= <<
/**
 * @return array<<r.ctxName>>|<r.ctxName>|null
 */
public function <r.name>(int $index = null)
{
    if ($index === null) {
        return $this->getTypedRuleContexts(<r.ctxName>::class);
    }

    return $this->getTypedRuleContext(<r.ctxName>::class, $index);
}
>>

```

```

LexerRuleContext() ::= "RuleContext"

/**
 * The rule context name is the rule followed by a suffix; e.g., r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "<tokenName>"
ImplicitRuleLabel(ruleName) ::= "<ruleName>"
ImplicitSetLabel(id) ::= "_tset<id>"
ListLabelName(label) ::= "<label>"

CaptureNextToken(d) ::= "$<d.varName> = \${this->input->LT(1)};"
CaptureNextTokenType(d) ::= "$<d.varName> = \${this->input->LA(1)};"

StructDecl(struct,ctorAttrs,attrs, getters,dispatchMethods,interfaces,extensionMembers) ::= <<
class <struct.name> extends
<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)> implements
<interfaces; separator=", "><endif>
{
<PropertiesDecl(struct)>
public function __construct(?ParserRuleContext $parent, ?int $invokingState = null<ctorAttrs:{a | , ?<a> = null}>)
{
parent::__construct($parent, $invokingState);
<if(struct.ctorAttrs)>

<struct.ctorAttrs:{a | \${this-><a.name> = \${<a.name>} ?? \${this-><a.name>};}; separator="\n">
<endif>
}

public function getRuleIndex() : int
{
return <parser.name>::RULE_<struct.derivedFromName>;
}
<if(getters)>

<getters:{g | <g>}; separator="\n\n">
<endif>
<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
public function copyFrom(ParserRuleContext $context) : void
{
parent::copyFrom($context);

<struct.attrs:{a | \${this-><a.name> = \${<a.name>} ?? \${<a.name>};}; separator="\n">
}
<endif>
<if(dispatchMethods)>

```

```

<dispatchMethods; separator="\n\n">
<endif>
<if(extensionMembers)>

```

```

<extensionMembers; separator="\n\n">
<endif>
}
>>

```

```

AltLabelStructDecl(struct,attrs, getters,dispatchMethods) ::= <<
class <struct.name> extends <struct.parentRule; format="cap">Context
{
<PropertiesDecl(struct)>
public function __construct(<struct.parentRule; format="cap">Context $context)
{
    parent::__construct($context);

    $this->copyFrom($context);
}
<if(getters)>

```

```

    <getters:{g | <g>}; separator="\n\n">
<endif>
<if(dispatchMethods)>

```

```

<dispatchMethods; separator="\n\n">
<endif>
}
>>

```

```

ListenerDispatchMethod(method) ::= <<
public function <if(method.isEnter)>enter<else>exit<endif>Rule(ParseTreeListener $listener) : void
{
    if ($listener instanceof <parser.grammarName>Listener) {
        $listener-><if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">($this);
    }
}
>>

```

```

VisitorDispatchMethod(method) ::= <<
public function accept(ParseTreeVisitor $visitor)
{
    if ($visitor instanceof <parser.grammarName>Visitor) {
        return $visitor->visit<struct.derivedFromName; format="cap">($this);
    }

    return $visitor->visitChildren($this);
}

```

```

}
>>

/** If we don't know location of label def x, use this template */
labelref(x) ::= "<if(!x.isLocal)>$localContext-><endif><x.name>"

/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "$localContext"

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "\$this->precpred(\$this->ctx, <opPrec>)"

recRuleSetReturnAction(src,name) ::= "\$<name> = \$<src>-><name>;"

recRuleSetStopToken()      ::= "\$this->ctx->stop = \$this->input->LT(-1);"

recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
$localContext = new Context\\<ctxName>Context($parentContext, $parentState);
<if(label)>
<if(isListLabel)>
$localContext-><label>[] = $previousContext;
<else>
$localContext-><label> = $previousContext;
<endif>
<endif>

$this->pushNewRecursionContext($localContext, $startState, self::RULE_<ruleName>);
>>

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
$localContext = new Context\\<currentAltLabel; format="cap">Context(new Context\\<ruleName;
format="cap">Context($parentContext, $parentState));
<if(label)>
<if(isListLabel)>
$localContext-><label>[] = $previousContext;
<else>
$localContext-><label> = $previousContext;
<endif>
<endif>

$this->pushNewRecursionContext($localContext, $startState, self::RULE_<ruleName>);
>>

recRuleReplaceContext(ctxName) ::= <<
$localContext = new Context\\<ctxName>Context($localContext);
$this->ctx = $localContext;
$previousContext = $localContext;
>>

```

```

recRuleSetPrevCtx() ::= <<
if ($this->getParseListeners() !== null) {
    $this->triggerExitRuleEvent();
}

```

```

$previousContext = $localContext;
>>

```

```

LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
<lexer>
>>

```

```

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
namespace<if(lexerFile.genPackage)> <lexerFile.genPackage><endif> {
<if(namedActions.header)><namedActions.header><endif>
use Antlr\Antlr4\Runtime\Atn\ATNDeserializer;
use Antlr\Antlr4\Runtime\Atn\LexerATNSimulator;
use Antlr\Antlr4\Runtime\Lexer;
use Antlr\Antlr4\Runtime\CharStream;
use Antlr\Antlr4\Runtime\PredictionContexts\PredictionContextCache;
use Antlr\Antlr4\Runtime\RuleContext;
use Antlr\Antlr4\Runtime\Atn\ATN;
use Antlr\Antlr4\Runtime\Dfa\DFA;
use Antlr\Antlr4\Runtime\Vocabulary;
use Antlr\Antlr4\Runtime\RuntimeMetaData;
use Antlr\Antlr4\Runtime\VocabularyImpl;
<if(namedActions.definitions)><namedActions.definitions><endif>

```

```

final class <lexer.name> extends <superClass; null="Lexer">
{
<if(lexer.tokens)>
public const <lexer.tokens:{k | <k> = <lexer.tokens.(k)>}; separator=", ", wrap, anchor>;
<endif>

<if(lexer.channels)>
public const <lexer.channels:{c | <c> = <lexer.channels.(c)>}; separator=", ", wrap, anchor>;
<endif>

<if(rest(lexer.modes))>
public const <rest(lexer.modes){m | <m>=<i>}; separator=", ", wrap, anchor>;
<endif>

/**
 * @var array<string>
 */

```

```

public const CHANNEL_NAMES = [
  'DEFAULT_TOKEN_CHANNEL', 'HIDDEN'<if (lexer.channels)>, <lexer.channels:{c| '<c>'}; separator=", ",
wrap, anchor><endif>
];

/**
 * @var array<string>
 */
public const MODE_NAMES = [
  <lexer.modes:{m| '<m>'}; separator=", ", wrap, anchor>
];

/**
 * @var array<string>
 */
public const RULE_NAMES = [
  <lexer.ruleNames:{r| '<r>'}; separator=", ", wrap, anchor>
];

<vocabulary(lexer.literalNames, lexer.symbolicNames)>

<atn>
protected static $atn;
protected static $decisionToDFA;
protected static $sharedContextCache;
<if(namedActions.members)>

  <namedActions.members>
<endif>

public function __construct(CharStream $input)
{
  parent::__construct($input);

  self::initialize();

  $this->interp = new LexerATNSimulator($this, self::$atn, self::$decisionToDFA, self::$sharedContextCache);
}

private static function initialize() : void
{
  if (self::$atn !== null) {
    return;
  }

  RuntimeMetaData::checkVersion('<lexerFile.ANTLRVersion>', RuntimeMetaData::VERSION);

  $atn = (new ATNDeserializer()->deserialize(self::SERIALIZED_ATN);

```



```

$decisionToDFA = [];
for ($i = 0, $count = $atn->getNumberOfDecisions(); $i < $count; $i++) {
    $decisionToDFA[] = new DFA($atn->getDecisionState($i), $i);
}

self::$atn = $atn;
self::$decisionToDFA = $decisionToDFA;
self::$sharedContextCache = new PredictionContextCache();
}

public static function vocabulary() : Vocabulary
{
    static $vocabulary;

    return $vocabulary = $vocabulary ?? new VocabularyImpl(self::LITERAL_NAMES, self::SYMBOLIC_NAMES);
}

public function getGrammarFileName() : string
{
    return '<lexer.grammarFileName>';
}

public function getRuleNames() : array
{
    return self::RULE_NAMES;
}

public function getSerializedATN() : string
{
    return self::SERIALIZED_ATN;
}

/**
 * @return array<string>
 */
public function getChannelNames() : array
{
    return self::CHANNEL_NAMES;
}

/**
 * @return array<string>
 */
public function getModeNames() : array
{
    return self::MODE_NAMES;
}

```

```

public function getATN() : ATN
{
    return self::$atn;
}

public function getVocabulary() : Vocabulary
{
    return self::vocabulary();
}
<dumpActions(lexer, "", actionFuncs, sempredFuncs)>
}
}
>>

SerializedATN(model) ::= <<
<if(rest(model.segments))>
/**
 * @var string
 */
private const SERIALIZED_ATN =
    <model.segments:{segment| "<segment; wrap={ " .<n>" }>"}; separator=" .\n">;
<else>
/**
 * @var string
 */
private const SERIALIZED_ATN =
    "<model.serialized; wrap={ " .<n>  " }>";
<endif>
>>

/**
 * Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is `null`.
 */
initValue(typeName) ::= <<
<phpTypeInitMap.(typeName)>
>>

codeFileExtension() ::= ".php"

Found in path(s):
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-
jar/org/antlr/v4/tool/templates/codegen/PHP/PHP.stg
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/*
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```

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- */

```
tree grammar BlockSetTransformer;
options {
language    = Java;
tokenVocab = ANTLRParser;
ASTLabelType = GrammarAST;
output     = AST;
filter    = true;
}

@header {
package org.antlr.v4.parse;
import org.antlr.v4.misc.Utils;
import org.antlr.v4.misc.*;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
import java.util.List;
import java.util.Set;
import java.util.HashSet;
import java.util.ArrayList;
import org.antlr.v4.runtime.misc.IntervalSet;
```

```

}

@members {
public String currentRuleName;
public GrammarAST currentAlt;
public Grammar g;
public BlockSetTransformer(TreeNodeStream input, Grammar g) {
    this(input, new RecognizerSharedState());
    this.g = g;
}
}

topdown
: ^(RULE (id=TOKEN_REF|id=RULE_REF) {currentRuleName=$id.text;} .+)
| setAlt
| ebnfBlockSet
| blockSet
;

setAlt
: {inContext("RULE BLOCK")}?
ALT {currentAlt = $start;}
;

// (BLOCK (ALT (+ (BLOCK (ALT INT) (ALT ID))))))
ebnfBlockSet
@after {
GrammarTransformPipeline.setGrammarPtr(g, $tree);
}
: ^(ebnfSuffix blockSet) -> ^(ebnfSuffix ^(BLOCK<BlockAST> ^(ALT<AltAST> blockSet)))
;

ebnfSuffix
@after {$tree = (GrammarAST)adaptor.dupNode($start);}
: OPTIONAL
| CLOSURE
| POSITIVE_CLOSURE
;

blockSet
@init {
boolean inLexer = Grammar.isTokenName(currentRuleName);
}
@after {
GrammarTransformPipeline.setGrammarPtr(g, $tree);
}
: {inContext("RULE")}? // top-level: rule block and > 1 alt
^(BLOCK ^(alt=ALT elementOptions? {((AltAST)$alt).altLabel==null}? setElement[inLexer]) ( ^ALT

```

```

elementOptions? setElement[inLexer] )+)
-> ^(BLOCK<BlockAST>[$BLOCK.token] ^(ALT<AltAST>[$BLOCK.token,"ALT"] ^(SET[$BLOCK.token,
"SET"] setElement+)))
| {!inContext("RULE")}? // if not rule block and > 1 alt
^(BLOCK ^(ALT elementOptions? setElement[inLexer]) ( ^(ALT elementOptions? setElement[inLexer] )+ )
-> ^(SET[$BLOCK.token, "SET"] setElement+ )
;

```

```

setElement[boolean inLexer]
@after {
GrammarTransformPipeline.setGrammarPtr(g, $tree);
}
: ( ^(a=STRING_LITERAL elementOptions) {!inLexer ||
CharSupport.getCharValueFromGrammarCharLiteral($a.getText())!=-1 }?
| a=STRING_LITERAL {!inLexer || CharSupport.getCharValueFromGrammarCharLiteral($a.getText())!=-1 }?
| {!inLexer}?=> ^(TOKEN_REF elementOptions)
| {!inLexer}?=> TOKEN_REF
| {!inLexer}?=> ^(RANGE a=STRING_LITERAL b=STRING_LITERAL
{CharSupport.getCharValueFromGrammarCharLiteral($a.getText())!=-1 &&
CharSupport.getCharValueFromGrammarCharLiteral($b.getText())!=-1 }?
)
;

```

```

elementOptions
: ^(ELEMENT_OPTIONS elementOption*)
;

```

```

elementOption
: ID
| ^(ASSIGN id=ID v=ID)
| ^(ASSIGN ID v=STRING_LITERAL)
| ^(ASSIGN ID v=ACTION)
| ^(ASSIGN ID v=INT)
;

```

Found in path(s):

* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/parse/BlockSetTransformer.g

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```

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```

```

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*/

```

```

/** ANTLR tool checks output templates are compatible with tool code generation.
* For now, a simple string match used on x.y of x.y.z scheme.
* Must match Tool.VERSION during load to templates.
*
* REQUIRED.
*/

```

```

pythonTypeInitMap ::= [
  "bool":"False",
  "int":"0",
  "float":"0.0",
  "str": "",
  default:"None" // anything other than a primitive type is an object
]

```

```

// args must be <object-model-object>, <fields-resulting-in-STs>

```

```

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
# encoding: utf-8
from __future__ import print_function
from antlr4 import *
from io import StringIO
import sys

```

```
<namedActions.header>
```

```
<parser>
```

```
>>
```

```
ListenerFile(file, header, namedActions) ::= <<
```

```
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
```

```
from antlr4 import *
```

```
<header>
```

```
# This class defines a complete listener for a parse tree produced by <file.parserName>.
```

```
class <file.grammarName>Listener(ParseTreeListener):
```

```
    <file.listenerNames: {lname |
```

```
    # Enter a parse tree produced by <file.parserName>#<lname>.
```

```
    def enter<lname; format="cap">(self, ctx):
```

```
        pass
```

```
    # Exit a parse tree produced by <file.parserName>#<lname>.
```

```
    def exit<lname; format="cap">(self, ctx):
```

```
        pass
```

```
}; separator="\n">
```

```
>>
```

```
VisitorFile(file, header, namedActions) ::= <<
```

```
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
```

```
from antlr4 import *
```

```
<header>
```

```
# This class defines a complete generic visitor for a parse tree produced by <file.parserName>.
```

```
class <file.grammarName>Visitor(ParseTreeVisitor):
```

```
    <file.visitorNames: {lname |
```

```
    # Visit a parse tree produced by <file.parserName>#<lname>.
```

```
    def visit<lname; format="cap">(self, ctx):
```

```
        return self.visitChildren(ctx)
```

```
}; separator="\n">
```

```
>>
```

```
fileHeader(grammarFileName, ANTLRVersion) ::= <<
```

```
# Generated from <grammarFileName> by ANTLR <ANTLRVersion>
```

>>

```
Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<  
<Parser_(ctor="parser_ctor", ...)>  
>>
```

```
Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<  
<if(superClass)>  
if __name__ is not None and "." in __name__:  
    from .<superClass> import <superClass>  
else:  
    from <superClass> import <superClass>  
  
<endif>  
<atn>
```

```
class <parser.name> ( <if(superClass)><superClass><else>Parser<endif> ):
```

```
    grammarFileName = "<parser.grammarFileName>"
```

```
    atn = ATNDeserializer().deserialize(serializedATN())
```

```
    decisionsToDFA = [ DFA(ds, i) for i, ds in enumerate(atn.decisionToState) ]
```

```
    sharedContextCache = PredictionContextCache()
```

```
    literalNames = [ <parser.literalNames:{t | u<t>} ; null="u\\"<INVALID>\\"", separator=", ", wrap, anchor ]
```

```
    symbolicNames = [ <parser.symbolicNames:{t | u<t>} ; null="u\\"<INVALID>\\"", separator=", ", wrap, anchor ]
```

```
    <if(parser.rules)>
```

```
    <parser.rules:{r | RULE_<r.name> = <r.index>} ; separator="\n", wrap, anchor>
```

```
    <endif>
```

```
    ruleNames = [ <parser.ruleNames:{r | u"<r>"} ; separator=", ", wrap, anchor ]
```

```
    EOF = <TokenLabelType().EOF
```

```
    <if(parser.tokens)>
```

```
    <parser.tokens:{k | <k>=<parser.tokens.(k)>} ; separator="\n", wrap, anchor>
```

```
    <endif>
```

```
    <parser:(ctor)()>
```

```
    <namedActions.members>
```

```
    <funcs; separator="\n">
```



```

<if(sempredFuncs)>
  def sempred(self, localctx, ruleIndex, predIndex):
    if self._predicates == None:
      self._predicates = dict()
<parser.sempredFuncs.values: {f |
  self._predicates[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n    ">
  pred = self._predicates.get(ruleIndex, None)
  if pred is None:
    raise Exception("No predicate with index:" + str(ruleIndex))
  else:
    return pred(localctx, predIndex)

  <sempredFuncs.values; separator="\n">
<endif>

```

```
>>
```

```

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
def action(self, localctx, ruleIndex, actionIndex):
  if self._actions is None:
    actions = dict()
<recog.actionFuncs.values: {f |
  actions[<f.ruleIndex>] = self.<f.name>_action }; separator="\n">
  self._actions = actions
  action = self._actions.get(ruleIndex, None)
  if action is not None:
    action(localctx, actionIndex)
  else:
    raise Exception("No registered action for:" + str(ruleIndex))

  <actionFuncs.values; separator="\n">

<endif>

```

```

<if(sempredFuncs)>
def sempred(self, localctx, ruleIndex, predIndex):
  if self._predicates is None:
    preds = dict()
<recog.sempredFuncs.values: {f |
  preds[<f.ruleIndex>] = self.<f.name>_sempred}; separator="\n">
  self._predicates = preds
  pred = self._predicates.get(ruleIndex, None)
  if pred is not None:
    return pred(localctx, predIndex)
  else:
    raise Exception("No registered predicate for:" + str(ruleIndex))

```

```

<sempredFuncs.values; separator="\n">
<endif>
>>

parser_ctor(p) ::= <<
def __init__(self, input, output=sys.stdout):
    super(<parser.name>, self).__init__(input, output=output)
    self.checkVersion("<file.ANTLRVersion>")
    self._interp = ParserATNSimulator(self, self.atn, self.decisionsToDFA, self.sharedContextCache)
    self._predicates = None

>>

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleActionFunction(r, actions) ::= <<

def <r.name>_action(self, localctx , actionIndex):
<actions: {index|
<if(first(actions))>
    if actionIndex == <index>:
        <actions.(index)>
<elseif(rest(actions))>
    elif actionIndex == <index>:
        <actions.(index)>
<endif> }; separator="\n">
>>

/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleSempredFunction(r, actions) ::= <<
def <r.name>_sempred(self, localctx, predIndex):
    <actions: {index|
<if(first(actions))>
    if predIndex == <index>:
        return <actions.(index)>
<elseif(rest(actions))>
    elif predIndex == <index>:
        return <actions.(index)>
<endif> }; separator="\n">
>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

```

```

<ruleCtx>

<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

def <currentRule.name>(self<currentRule.args:{a | , <a.name>}>):

    localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, self.state<currentRule.args:{a | , <a.name>}>)
    self.enterRule(localctx, <currentRule.startState>, self.RULE_<currentRule.name>)
    <namedActions.init>
    <locals; separator="\n">
    try:
        <code>
        <postamble; separator="\n">
        <namedActions.after>
    <if(exceptions)>
    <exceptions; separator="\n">
    <else>
    except RecognitionException as re:
        localctx.exception = re
        self._errHandler.reportError(self, re)
        self._errHandler.recover(self, re)
    <endif>
    finally:
        <finallyAction>
        self.exitRule()
    return localctx

>>

```

```

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
    namedActions,finallyAction,postamble) ::=
<<

```

```

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

def <currentRule.name>(self, _p=0<if(currentRule.args)>, <args:{a | , <a>}><endif>):
    _parentctx = self._ctx
    _parentState = self.state
    localctx = <parser.name>.<currentRule.ctxType>(self, self._ctx, _parentState<args:{a | , <a.name>}>)
    _prevctx = localctx
    _startState = <currentRule.startState>
    self.enterRecursionRule(localctx, <currentRule.startState>, self.RULE_<currentRule.name>, _p)
    <namedActions.init>
    <locals; separator="\n">
    try:
        <code>

```

```

    <postamble; separator="\n">
    <namedActions.after>
except RecognitionException as re:
    localctx.exception = re
    self._errHandler.reportError(self, re)
    self._errHandler.recover(self, re)
finally:
    <finallyAction>
    self.unrollRecursionContexts(_parentctx)
return localctx

>>

```

```

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>localctx = <parser.name>.<currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(self, localctx)<endif>
self.enterOuterAlt(localctx, <currentOuterMostAltCodeBlock.alt.altNum>)
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

```

```

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
>>

```

```

LL1AltBlock(choice, preamble, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
token = self._input.LA(1)
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
    <alt>
    pass}; separator="\n1">
else:
    <error>

>>

```

```

LL1OptionalBlock(choice, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
token = self._input.LA(1)
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
    <alt>
    pass}; separator="\n1">
else:

```

```

    pass
>>

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<preamble; separator="\n">
if <expr>:
    <alts; separator="\n">

<!else if ( !(<followExpr> ) <error>!>
>>

```

```

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<preamble; separator="\n">
while <loopExpr>:
    <alts; separator="\n">
    self.state = <choice.loopBackStateNumber>
    self._errHandler.sync(self)
    <iteration>

>>

```

```

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
self.state = <choice.blockStartStateNumber> <! alt block decision !>
self._errHandler.sync(self)
<preamble; separator="\n">
while True:
    <alts; separator="\n">
    self.state = <choice.stateNumber> <! loopback/exit decision !>
    self._errHandler.sync(self)
    <iteration>
    if not (<loopExpr>):
        break

>>

```

```

// LL(*) stuff

```

```

AltBlock(choice, preamble, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
<if(choice.label)><labelref(choice.label)> = _input.LT(1)<endif>
<preamble; separator="\n">
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)

```

```

<alts:{ alt |
if la_ == <i>:
  <alt>
  pass
}; separator="\nel">

```

```
>>
```

```

OptionalBlock(choice, alts, error) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
la_ = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
<alts:{ alt |
if la_ == <i><if(!choice.ast.greedy)>+1<endif>:
  <alt>
}; separator="\nel">

```

```
>>
```

```

StarBlock(choice, alts, sync, iteration) ::= <<
self.state = <choice.stateNumber>
self._errHandler.sync(self)
_alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)
while _alt!=<choice.exitAlt> and _alt!=ATN.INVALID_ALT_NUMBER:
  if _alt==1<if(!choice.ast.greedy)>+1<endif>:
    <iteration>
    <alts> <! should only be one !>
  self.state = <choice.loopBackStateNumber>
  self._errHandler.sync(self)
  _alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)

```

```
>>
```

```

PlusBlock(choice, alts, error) ::= <<
self.state = <choice.blockStartStateNumber> <! alt block decision !>
self._errHandler.sync(self)
_alt = 1<if(!choice.ast.greedy)>+1<endif>
while _alt!=<choice.exitAlt> and _alt!=ATN.INVALID_ALT_NUMBER:
  <alts:{ alt|
if _alt == <i><if(!choice.ast.greedy)>+1<endif>:
  <alt>
}; separator="\nel">
  else:
    <error>
  self.state = <choice.loopBackStateNumber> <! loopback/exit decision !>
  self._errHandler.sync(self)
  _alt = self._interp.adaptivePredict(self._input,<choice.decision>,self._ctx)

```

>>

Sync(s) ::= "sync(<s.expecting.name>)"

ThrowNoViableAlt(t) ::= "raise NoViableAltException(self)"

TestSetInline(s) ::= <<

<s.bitsets:{ bits | <if(rest(rest(bits.ttypes)))><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s, bits)><endif>}; separator=" or ">

>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test

testShiftInRange(shiftAmount) ::= <<

((<shiftAmount>) & ~0x3f) == 0

>>

// produces smaller bytecode only when bits.ttypes contains more than two items

bitsetBitfieldComparison(s, bits) ::= <%

(<testShiftInRange({ <offsetShiftVar(s.varName, bits.shift)>})> and ((1 \<< <offsetShiftVar(s.varName, bits.shift)>) & (<bits.ttypes:{ ttype | (1 \<< <offsetShiftType(ttype, bits.shift)>)); separator=" | ">) != 0)
%>

isZero ::= [

"0":true,

default:false

]

offsetShiftVar(shiftAmount, offset) ::= <%

<if(!isZero.(offset))><shiftAmount> - <offset><else><shiftAmount><endif>

%>

offsetShiftType(shiftAmount, offset) ::= <%

<if(!isZero.(offset))><parser.name>.<shiftAmount> - <offset><else><parser.name>.<shiftAmount><endif>

%>

// produces more efficient bytecode when bits.ttypes contains at most two items

bitsetInlineComparison(s, bits) ::= <%

<bits.ttypes:{ ttype | <s.varName>==<parser.name>.<ttype>}; separator=" or ">

%>

cases(ttypes) ::= <<

if token in [<ttypes:{ t | <parser.name>.<t>}; separator=", ">]:

>>

InvokeRule(r, argExprsChunks) ::= <<

self.state = <r.stateNumber>

<if(r.labels)><r.labels:{ l | <labelref(l)> =

```

nks>)
>>

MatchToken(m) ::= <<
self.state = <m.stateNumber>
<if(m.labels)><m.labels:{1 | <labelref(l)> = }><endif>self.match(<parser.name>.<m.name>)
>>

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
self.state = <m.stateNumber>
<if(m.labels)><m.labels:{1 | <labelref(l)> = }>self._input.LT(1)<endif>
<capture>
<if(invert)>if <m.varName> \<= 0 or <expr><else>if not(<expr>)<endif>:
<if(m.labels)><m.labels:{1 | <labelref(l)> = }><else> <endif>self._errHandler.recoverInline(self)
else:
    self._errHandler.reportMatch(self)
    self.consume()
>>

Wildcard(w) ::= <<
self.state = <w.stateNumber>
<if(w.labels)><w.labels:{1 | <labelref(l)> = }><endif>self.matchWildcard()
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
self.state = <p.stateNumber>
if not <chunks>:
    from antlr4.error.Errors import FailedPredicateException
    raise FailedPredicateException(self, <p.predicate><if(failChunks)>, <failChunks><elseif(p.msg)>,
<p.msg><endif>)
>>

ExceptionClause(e, catchArg, catchAction) ::= <<
except <catchArg>:
    <catchAction>
>>

// lexer actions are not associated with model objects

```



```

LexerSkipCommand() ::= "skip()"
LexerMoreCommand() ::= "more()"
LexerPopModeCommand() ::= "popMode()"

LexerTypeCommand(arg, grammar) ::= "_type = <arg>"
LexerChannelCommand(arg, grammar) ::= "_channel = <arg>"
LexerModeCommand(arg, grammar) ::= "_mode = <arg>"
LexerPushModeCommand(arg, grammar) ::= "pushMode(<arg>)"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "localctx.<a.name>"
LocalRef(a) ::= "localctx.<a.name>"
RetValRef(a) ::= "localctx.<a.name>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.name>"
LabelRef(t) ::= "<ctx(t)>.<t.name>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>"

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "(None if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.text)"
TokenPropertyRef_type(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.type)"
TokenPropertyRef_line(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.line)"
TokenPropertyRef_pos(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.column)"
TokenPropertyRef_channel(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.channel)"
TokenPropertyRef_index(t) ::= "(0 if <ctx(t)>.<t.label> is None else <ctx(t)>.<t.label>.tokenIndex)"
TokenPropertyRef_int(t) ::= "(0 if <ctx(t)>.<t.label> is None else int(<ctx(t)>.<t.label>.text))"

RulePropertyRef_start(r) ::= "(None if <ctx(r)>.<r.label> is None else <ctx(r)>.<r.label>.start)"
RulePropertyRef_stop(r) ::= "(None if <ctx(r)>.<r.label> is None else <ctx(r)>.<r.label>.stop)"
RulePropertyRef_text(r) ::= "(None if <ctx(r)>.<r.label> is None else
self._input.getText(<ctx(r)>.<r.label>.start,<ctx(r)>.<r.label>.stop))"
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "self"

ThisRulePropertyRef_start(r) ::= "localctx.start"
ThisRulePropertyRef_stop(r) ::= "localctx.stop"
ThisRulePropertyRef_text(r) ::= "self._input.getText(localctx.start, self._input.LT(-1))"
ThisRulePropertyRef_ctx(r) ::= "localctx"
ThisRulePropertyRef_parser(r) ::= "self"

NonLocalAttrRef(s) ::= "self.getInvokingContext(<s.ruleIndex>).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::= "self.getInvokingContext(<s.ruleIndex>).<s.name> = <rhsChunks>"

```

```
AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.append(<labelref(a.label)>)"
```

```
TokenDecl(t) ::= "self.<t.name> = None # <TokenLabelType()>"
```

```
TokenTypeDecl(t) ::= "self.<t.name> = 0 # <TokenLabelType()> type"
```

```
TokenListDecl(t) ::= "self.<t.name> = list() # of <TokenLabelType()>s"
```

```
RuleContextDecl(r) ::= "self.<r.name> = None # <r.ctxName>"
```

```
RuleContextListDecl(rdecl) ::= "self.<rdecl.name> = list() # of <rdecl.ctxName>s"
```

```
ContextTokenGetterDecl(t) ::= <<
```

```
def <t.name>(self):
```

```
    return self.getToken(<parser.name>.<t.name>, 0)
```

```
>>
```

```
// should never be called
```

```
ContextTokenListGetterDecl(t) ::= <<
```

```
def <t.name>_list(self):
```

```
    return self.getTokens(<parser.name>.<t.name>)
```

```
>>
```

```
ContextTokenListIndexedGetterDecl(t) ::= <<
```

```
def <t.name>(self, i=None):
```

```
    if i is None:
```

```
        return self.getTokens(<parser.name>.<t.name>)
```

```
    else:
```

```
        return self.getToken(<parser.name>.<t.name>, i)
```

```
>>
```

```
ContextRuleGetterDecl(r) ::= <<
```

```
def <r.name>(self):
```

```
    return self.getTypedRuleContext(<parser.name>.<r.ctxName>,0)
```

```
>>
```

```
// should never be called
```

```
ContextRuleListGetterDecl(r) ::= <<
```

```
def <r.name>_list(self):
```

```
    return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)
```

```
>>
```

```
ContextRuleListIndexedGetterDecl(r) ::= <<
```

```
def <r.name>(self, i=None):
```

```
    if i is None:
```

```
        return self.getTypedRuleContexts(<parser.name>.<r.ctxName>)
```

```
    else:
```

```
        return self.getTypedRuleContext(<parser.name>.<r.ctxName>,i)
```

>>

```
LexerRuleContext() ::= "RuleContext"
```

```
/** The rule context name is the rule followed by a suffix; e.g.,  
 * r becomes rContext.  
 */
```

```
RuleContextNameSuffix() ::= "Context"
```

```
ImplicitTokenLabel(tokenName) ::= "_<tokenName>"
```

```
ImplicitRuleLabel(ruleName) ::= "_<ruleName>"
```

```
ImplicitSetLabel(id) ::= "_tset<id>"
```

```
ListLabelName(label) ::= "<label>"
```

```
CaptureNextToken(d) ::= "<d.varName> = self._input.LT(1)"
```

```
CaptureNextTokenType(d) ::= "<d.varName> = self._input.LA(1)"
```

```
StructDecl(struct,ctorAttrs,attrs,getters,dispatchMethods,interfaces,extensionMembers) ::= <<  
class <struct.name>(<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif>):
```

```
  def __init__(self, parser, parent=None, invokingState=-1<struct.ctorAttrs:{a | <a.name>=None}>):  
    super(<parser.name>.<struct.name>, self).__init__(parent, invokingState)
```

```
    self.parser = parser
```

```
    <attrs:{a | <a>}; separator="\n">
```

```
    <struct.ctorAttrs:{a | self.<a.name> = <a.name>}; separator="\n">
```

```
  <getters:{g | <g>}; separator="\n\n">
```

```
  def getRuleIndex(self):
```

```
    return <parser.name>.RULE_<struct.derivedFromName>
```

```
<if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
```

```
  def copyFrom(self, ctx):
```

```
    super(<parser.name>.<struct.name>, self).copyFrom(ctx)
```

```
    <struct.attrs:{a | self.<a.name> = ctx.<a.name>}; separator="\n">
```

```
<endif>
```

```
  <dispatchMethods; separator="\n">
```

```
  <extensionMembers; separator="\n">
```

>>

```
AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
```

```
class <struct.name>(<currentRule.name; format="cap">Context):
```

```
  def __init__(self, parser, ctx): # actually a <parser.name>.<currentRule.name; format="cap">Context)
```

```
    super(<parser.name>.<struct.name>, self).__init__(parser)
```

```
    <attrs:{a | <a>}; separator="\n">
```

```

    self.copyFrom(ctx)

    <getters:{g | <g>}; separator="\n">

    <dispatchMethods; separator="\n">

>>

ListenerDispatchMethod(method) ::= <<
def <if(method.isEnter)>enter<else>exit<endif>Rule(self, listener):
    if hasattr(listener, "<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">"):
        listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">(self)

>>

VisitorDispatchMethod(method) ::= <<
def accept(self, visitor):
    if hasattr(visitor, "visit<struct.derivedFromName; format="cap">"):
        return visitor.visit<struct.derivedFromName; format="cap">(self)
    else:
        return visitor.visitChildren(self)

>>

AttributeDecl(d) ::= "self.<d.name> = <if(d.initValue)><d.initValue><else>None<endif>"

/** If we don't know location of label def x, use this template */
labelref(x) ::= "<if(!x.isLocal)>localctx.<endif><x.name>"

/** For any action chunk, what is correctly-typed context struct ptr? */
ctx(actionChunk) ::= "localctx"

// used for left-recursive rules
recRuleAltPredicate(ruleName,opPrec) ::= "self.precpred(self._ctx, <opPrec>)"
recRuleSetReturnAction(src,name) ::= "$<name>=<src>.<name>"
recRuleSetStopToken() ::= "self._ctx.stop = self._input.LT(-1)"

recRuleAltStartAction(ruleName, ctxName, label) ::= <<
localctx = <parser.name>.<ctxName>Context(self, _parentctx, _parentState)
<if(label)>localctx.<label> = _prevctx<endif>
self.pushNewRecursionContext(localctx, _startState, self.RULE_<ruleName>)
>>

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
localctx = <parser.name>.<currentAltLabel; format="cap">Context(self, <parser.name>.<ruleName;
format="cap">Context(self, _parentctx, _parentState))
<if(label)>
<if(isListLabel)>

```

```

localctx.<label>.append(_prevctx)
<else>
localctx.<label> = _prevctx
<endif>
<endif>
self.pushNewRecursionContext(localctx, _startState, self.RULE_<ruleName>)
>>

```

```

recRuleReplaceContext(ctxName) ::= <<
localctx = <parser.name>.<ctxName>Context(self, localctx)
self._ctx = localctx
_prevctx = localctx
>>

```

```

recRuleSetPrevCtx() ::= <<
if self._parseListeners is not None:
    self.triggerExitRuleEvent()
_prevctx = localctx
>>

```

```

LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
# encoding: utf-8
from __future__ import print_function
from antlr4 import *
from io import StringIO
import sys

```

```

<namedActions.header>

```

```

<lexer>
>>

```

```

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
<if(superClass)>
if __name__ is not None and "." in __name__:
    from .<superClass> import <superClass>
else:
    from <superClass> import <superClass>
<endif>
<atn>
class <lexer.name>(<if(superClass)><superClass><else>Lexer<endif>):

```

```

atn = ATNDeserializer().deserialize(serializedATN())

decisionsToDFA = [ DFA(ds, i) for i, ds in enumerate(atn.decisionToState) ]

<if(lexer.channels)>
  <lexer.channels:{c| <c> = <lexer.channels.(c)>}; separator="\n">

<endif>
<if(rest(lexer.modes))>
  <rest(lexer.modes):{m| <m> = <i>}; separator="\n">

<endif>
  <if(lexer.tokens)>
    <lexer.tokens:{k| <k> = <lexer.tokens.(k)>}; separator="\n", wrap, anchor>
  <endif>

  channelNames = [ u"DEFAULT_TOKEN_CHANNEL", u"HIDDEN"<if (lexer.channels)>, <lexer.channels:{c|
u"<c>"}; separator=", ", wrap, anchor><endif> ]

  modeNames = [ <lexer.modes:{m| u"<m>"}; separator=", ", wrap, anchor> ]

  literalNames = [ u"\<INVALID>",
    <lexer.literalNames:{t| u<t>}; separator=", ", wrap, anchor> ]

  symbolicNames = [ u"\<INVALID>",
    <lexer.symbolicNames:{t| u<t>}; separator=", ", wrap, anchor> ]

  ruleNames = [ <lexer.ruleNames:{r| u"<r>"}; separator=", ", wrap, anchor> ]

  grammarFileName = u"<lexer.grammarFileName>"

  def __init__(self, input=None, output=sys.stdout):
    super(<lexer.name>, self).__init__(input, output=output)
    self.checkVersion("<lexerFile.ANTLRVersion>")
    self._interp = LexerATNSimulator(self, self.atn, self.decisionsToDFA, PredictionContextCache())
    self._actions = None
    self._predicates = None

  <namedActions.members>

  <dumpActions(lexer, "", actionFuncs, sempredFuncs)>

>>

SerializedATN(model) ::= <<
<! only one segment, can be inlined !>

def serializedATN():

```

```
with StringIO() as buf:
    buf.write(u"<model.serialized; wrap={ }<\n>    buf.write(u" }>")
    return buf.getvalue()
```

```
>>
```

```
/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
<pythonTypeInitMap.(typeName)>
>>
```

```
codeFileExtension() ::= ".py"
```

Found in path(s):

```
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-
jar/org/antlr/v4/tool/templates/codegen/Python2/Python2.stg
```

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```
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 * THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
```

```
*/
```

```
tree grammar SourceGenTriggers;  
options {  
    language = Java;  
    tokenVocab = ANTLRParser;  
    ASTLabelType = GrammarAST;  
}
```

```
@header {  
package org.antlr.v4.codegen;  
import org.antlr.v4.misc.Utils;  
import org.antlr.v4.codegen.model.*;  
import org.antlr.v4.codegen.model.decl.*;  
import org.antlr.v4.tool.*;  
import org.antlr.v4.tool.ast.*;  
import java.util.Collections;  
import java.util.Map;  
import java.util.HashMap;  
}
```

```
@members {  
public OutputModelController controller;  
    public boolean hasLookaheadBlock;  
    public SourceGenTriggers(TreeNodeStream input, OutputModelController controller) {  
        this(input);  
        this.controller = controller;  
    }  
}
```

```
dummy : block[null, null] ;
```

```
block[GrammarAST label, GrammarAST ebnfRoot] returns [List<? extends SrcOp> omos]  
: ^( blk=BLOCK (^ (OPTIONS .+))?  
    { List<CodeBlockForAlt> alts = new ArrayList<CodeBlockForAlt>();  
      ( alternative { alts.add($alternative.altCodeBlock); } )+  
    )  
    {  
    if ( alts.size()==1 && ebnfRoot==null) return alts;  
    if ( ebnfRoot==null ) {  
        $omos = DefaultOutputModelFactory.list(controller.getChoiceBlock((BlockAST)$blk, alts, $label));  
    }  
    else {  
        Choice choice = controller.getEBNFBlock($ebnfRoot, alts);  
        hasLookaheadBlock |= choice instanceof PlusBlock || choice instanceof StarBlock;  
        $omos = DefaultOutputModelFactory.list(choice);  
    }  
}
```



```

;

alternative returns [CodeBlockForAlt altCodeBlock, List<SrcOp> ops]
@init {
    boolean outerMost = inContext("RULE BLOCK");
}
@after {
    controller.finishAlternative($altCodeBlock, $ops, outerMost);
}
: a=alt[outerMost] {$altCodeBlock=$a.altCodeBlock; $ops=$a.ops;}
;

alt[boolean outerMost] returns [CodeBlockForAlt altCodeBlock, List<SrcOp> ops]
@init {
    // set alt if outer ALT only (the only ones with alt field set to Alternative object)
    AltAST altAST = (AltAST)retval.start;
    if ( outerMost ) controller.setCurrentOuterMostAlt(altAST.alt);
}
: {
    List<SrcOp> elems = new ArrayList<SrcOp>();
    // TODO: shouldn't we pass $start to controller.alternative()?
    $altCodeBlock = controller.alternative(controller.getCurrentOuterMostAlt(), outerMost);
    $altCodeBlock.ops = $ops = elems;
    controller.setCurrentBlock($altCodeBlock);
}
^( ALT elementOptions? ( element {if ($element.omos!=null) elems.addAll($element.omos);} )+ )

| ^(ALT elementOptions? EPSILON)
    {$altCodeBlock = controller.epsilon(controller.getCurrentOuterMostAlt(), outerMost);}
;

element returns [List<? extends SrcOp> omos]
: labeledElement    {$omos = $labeledElement.omos;}
| atom[null,false]  {$omos = $atom.omos;}
| subrule           {$omos = $subrule.omos;}
| ACTION           {$omos = controller.action((ActionAST)$ACTION);}
| SEMPRED          {$omos = controller.sempred((ActionAST)$SEMPRED);}
| ^(ACTION elementOptions) {$omos = controller.action((ActionAST)$ACTION);}
| ^(SEMPRED elementOptions) {$omos = controller.sempred((ActionAST)$SEMPRED);}
;

labeledElement returns [List<? extends SrcOp> omos]
: ^(ASSIGN ID atom[$ID,false] ) {$omos = $atom.omos;}
| ^(PLUS_ASSIGN ID atom[$ID,false]) {$omos = $atom.omos;}
| ^(ASSIGN ID block[$ID,null] ) {$omos = $block.omos;}
| ^(PLUS_ASSIGN ID block[$ID,null]) {$omos = $block.omos;}
;

```

```

subrule returns [List<? extends SrcOp> omos]
: ^(OPTIONAL b=block[null,$OPTIONAL])
{
  $omos = $block.omos;
}
| ( ^(op=CLOSURE b=block[null,null])
| ^(op=POSITIVE_CLOSURE b=block[null,null])
)
{
  List<CodeBlockForAlt> alts = new ArrayList<CodeBlockForAlt>();
  SrcOp blk = $b.omos.get(0);
  CodeBlockForAlt alt = new CodeBlockForAlt(controller.delegate);
  alt.addOp(blk);
  alts.add(alt);
  SrcOp loop = controller.getEBNFBlock($op, alts); // "star it"
  hasLookaheadBlock |= loop instanceof PlusBlock || loop instanceof StarBlock;
  $omos = DefaultOutputModelFactory.list(loop);
}
| block[null, null]  {$omos = $block.omos;}
;

```

```

blockSet[GrammarAST label, boolean invert] returns [List<SrcOp> omos]
: ^(SET atom[label,invert]+) {$omos = controller.set($SET, $label, invert);}
;

```

```

/*
setElement
: STRING_LITERAL
| TOKEN_REF
| ^(RANGE STRING_LITERAL STRING_LITERAL)
;
*/

```

// TODO: combine ROOT/BANG into one then just make new op ref'ing return value of atom/terminal...
// TODO: same for NOT

```

atom[GrammarAST label, boolean invert] returns [List<SrcOp> omos]
: ^(NOT a=atom[$label, true]) {$omos = $a.omos;}
| range[label]  {$omos = $range.omos;}
| ^(DOT ID terminal[$label])
| ^(DOT ID ruleref[$label])
| ^(WILDCARD .)  {$omos = controller.wildcard($WILDCARD, $label);}
| WILDCARD      {$omos = controller.wildcard($WILDCARD, $label);}
| terminal[label] {$omos = $terminal.omos;}
| ruleref[label]  {$omos = $ruleref.omos;}
| blockSet[$label, invert] {$omos = $blockSet.omos;}
;

```

```

ruleref[GrammarAST label] returns [List<SrcOp> omos]

```

```

: ^(RULE_REF ARG_ACTION? elementOptions?) {$omos = controller.ruleRef($RULE_REF, $label,
$ARG_ACTION);}
;

range[GrammarAST label] returns [List<SrcOp> omos]
: ^(RANGE a=STRING_LITERAL b=STRING_LITERAL)
;

terminal[GrammarAST label] returns [List<SrcOp> omos]
: ^(STRING_LITERAL .) {$omos = controller.stringRef($STRING_LITERAL, $label);}
| STRING_LITERAL {$omos = controller.stringRef($STRING_LITERAL, $label);}
| ^(TOKEN_REF ARG_ACTION .) {$omos = controller.tokenRef($TOKEN_REF, $label, $ARG_ACTION);}
| ^(TOKEN_REF .) {$omos = controller.tokenRef($TOKEN_REF, $label, null);}
| TOKEN_REF {$omos = controller.tokenRef($TOKEN_REF, $label, null);}
;

elementOptions
: ^(ELEMENT_OPTIONS elementOption+)
;

elementOption
: ID
| ^(ASSIGN ID ID)
| ^(ASSIGN ID STRING_LITERAL)
| ^(ASSIGN ID ACTION)
| ^(ASSIGN ID INT)
;

```

Found in path(s):

* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/SourceGenTriggers.g

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* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/parse/ATNBuilder.java

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* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/tool/AttributeResolver.java

* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/target/JavaScriptTarget.java

* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/analysis/LeftRecursionDetector.java

* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/chunk/ArgRef.java

* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/tool/ast/RuleRefAST.java

* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/decl/TokenDecl.java

* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_int.java

* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/SemPred.java

* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/tool/ast/RuleElementAST.java

* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/tool/ToolMessage.java

* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef_parser.java

* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_index.java

* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/target/SwiftTarget.java

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* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-
jar/org/antlr/v4/codegen/model/decl/TokenListDecl.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-
jar/org/antlr/v4/unicode/UnicodeDataTemplateController.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-
jar/org/antlr/v4/codegen/model/ListenerDispatchMethod.java

- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/chunk/SetNonLocalAttr.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/semantics/SemanticPipeline.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/gui/TreeView.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/CodeGeneratorExtension.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/CaptureNextToken.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/ThrowNoViableAlt.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/tool/ErrorSeverity.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/tool/LeftRecursionCyclesMessage.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/DispatchMethod.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/target/Python3Target.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/LexerFile.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/LL1AltBlock.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef_parser.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/dbg.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/Recognizer.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/target/DartTarget.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/tool/ast/SetAST.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/tool/LeftRecursiveRule.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/chunk/RetValRef.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/gui/TestRig.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/Action.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/DefaultOutputModelFactory.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/Sync.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/misc/CharSupport.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/decl/ContextRuleGetterDecl.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/OutputModelController.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/automata/ATNPrinter.java
- * /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/LeftRecursiveRuleFunction.java

* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/ListenerFile.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/tool/ast/StarBlockAST.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/misc/Graph.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/decl/TokenTypeDecl.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/semantics/AttributeChecks.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/ElementFrequenciesVisitor.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/decl/RuleContextListDecl.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/tool/ast/OptionalBlockAST.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/tool/GrammarSemanticsMessage.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/chunk/ActionChunk.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/ActionTranslator.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef_text.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/CodeGenerator.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/analysis/LeftRecursiveRuleAnalyzer.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/LL1PlusBlockSingleAlt.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/VisitorFile.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/tool/ast/PlusBlockAST.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/tool/ast/GrammarRootAST.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/parse/GrammarASTAdaptor.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/gui/Trees.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/gui/TreeTextProvider.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/target/CppTarget.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/chunk/SetAttr.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/tool/ast/TerminalAST.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/misc/Utils.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/target/GoTarget.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/decl/CodeBlock.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-

jar/org/antlr/v4/codegen/model/StarBlock.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-
jar/org/antlr/v4/codegen/model/decl/ContextTokenGetterDecl.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-
jar/org/antlr/v4/codegen/model/decl/AttributeDecl.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-
jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef_start.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-
jar/org/antlr/v4/automata/ParserATNFactory.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/codegen/model/Parser.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-
jar/org/antlr/v4/codegen/model/chunk/TokenRef.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/misc/OrderedHashMap.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/tool/ANTLRMessage.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-
jar/org/antlr/v4/codegen/target/PHPTarget.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/misc/FrequencySet.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/tool/LexerGrammar.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/tool/Grammar.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/tool/ast/BlockAST.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-
jar/org/antlr/v4/tool/ast/GrammarASTErrorNode.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-
jar/org/antlr/v4/codegen/model/LL1StarBlockSingleAlt.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-
jar/org/antlr/v4/codegen/model/LL1OptionalBlock.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/tool/ast/GrammarAST.java
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-
jar/org/antlr/v4/codegen/model/TestSetInline.java
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*/
```

```
tree grammar ATNBuilder;
```

```
options {
```

```
language = Java;
```

```
tokenVocab = ANTLRParser;
```

```
ASTLabelType = GrammarAST;
```

```
// filter = true;
```

```
}
```

```
// Include the copyright in this source and also the generated source
```

```
@header {
```

```
/*
```

```
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```

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```

```
*/
```

```

package org.antlr.v4.parse;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;
import org.antlr.v4.automata.ATNFactory;
}

@members {
    ATNFactory factory;
    public ATNBuilder(TreeNodeStream input, ATNFactory factory) {
        this(input);
        this.factory = factory;
    }
}

dummy : block[null] ; // avoid error about no start rule

ruleBlock[GrammarAST ebnfRoot] returns [ATNFactory.Handle p]
@init {
    List<ATNFactory.Handle> alts = new ArrayList<ATNFactory.Handle>();
    int alt = 1;
    factory.setCurrentOuterAlt(alt);
}
: ^(BLOCK
    (^ (OPTIONS .*)?
    ( a=alternative
        {alts.add($a.p); factory.setCurrentOuterAlt(++alt);}
    )+
    )
    {$p = factory.block((BlockAST)$BLOCK, ebnfRoot, alts);}
;

block[GrammarAST ebnfRoot] returns [ATNFactory.Handle p]
@init {List<ATNFactory.Handle> alts = new ArrayList<ATNFactory.Handle>();}
: ^(BLOCK (^ (OPTIONS .*)? (a=alternative {alts.add($a.p);})+
    {$p = factory.block((BlockAST)$BLOCK, ebnfRoot, alts);}
;

alternative returns [ATNFactory.Handle p]
@init {List<ATNFactory.Handle> els = new ArrayList<ATNFactory.Handle>();}
: ^(LEXER_ALT_ACTION a=alternative lexerCommands
    {$p = factory.lexerAltCommands($a.p,$lexerCommands.p);}
| ^(ALT elementOptions? EPSILON) {$p = factory.epsilon($EPSILON);}
| ^(ALT elementOptions? (e=element {els.add($e.p);})+) {$p = factory.alt(els);}
;

lexerCommands returns [ATNFactory.Handle p]
@init {List<ATNFactory.Handle> cmds = new ArrayList<ATNFactory.Handle>();}
: (c=lexerCommand {if ($c.cmd != null) cmds.add($c.cmd);}+

```

```

    {
    $p = factory.alt(cmds);
    }
;

lexerCommand returns [ATNFactory.Handle cmd]
: ^(LEXER_ACTION_CALL ID lexerCommandExpr)
  {$cmd = factory.lexerCallCommand($ID, $lexerCommandExpr.start);}
| ID
  {$cmd = factory.lexerCommand($ID);}
;

lexerCommandExpr
: ID
| INT
;

element returns [ATNFactory.Handle p]
: labeledElement {$p = $labeledElement.p;}
| atom {$p = $atom.p;}
| subrule {$p = $subrule.p;}
| ACTION {$p = factory.action((ActionAST)$ACTION);}
| SEMPRED {$p = factory.sempred((PredAST)$SEMPRED);}
| ^(ACTION .) {$p = factory.action((ActionAST)$ACTION);}
| ^(SEMPRED .) {$p = factory.sempred((PredAST)$SEMPRED);}
| ^(NOT b=blockSet[true]) {$p = $b.p;}
| LEXER_CHAR_SET {$p = factory.charSetLiteral($start);}
;

astOperand returns [ATNFactory.Handle p]
: atom {$p = $atom.p;}
| ^(NOT blockSet[true]) {$p = $blockSet.p;}
;

labeledElement returns [ATNFactory.Handle p]
: ^(ASSIGN ID element) {$p = factory.label($element.p);}
| ^(PLUS_ASSIGN ID element) {$p = factory.listLabel($element.p);}
;

subrule returns [ATNFactory.Handle p]
: ^(OPTIONAL block[$start]) {$p = $block.p;}
| ^(CLOSURE block[$start]) {$p = $block.p;}
| ^(POSITIVE_CLOSURE block[$start]) {$p = $block.p;}
| block[null] {$p = $block.p;}
;

blockSet[boolean invert] returns [ATNFactory.Handle p]
@init {List<GrammarAST> alts = new ArrayList<GrammarAST>();}

```

```

: ^(SET (setElement {alts.add($setElement.start);})+) {$p = factory.set($start, alts, $invert);}
;

/** Don't combine with atom otherwise it will build spurious ATN nodes */
setElement
: ^(STRING_LITERAL .)
| ^(TOKEN_REF .)
| STRING_LITERAL
| TOKEN_REF
| ^(RANGE a=STRING_LITERAL b=STRING_LITERAL)
| LEXER_CHAR_SET
;

atom returns [ATNFactory.Handle p]
: range {$p = $range.p;}
| ^(DOT ID terminal) {$p = $terminal.p;}
| ^(DOT ID ruleref) {$p = $ruleref.p;}
| ^(WILDCARD .) {$p = factory.wildcard($start);}
| WILDCARD {$p = factory.wildcard($start);}
| blockSet[false] {$p = $blockSet.p;}
| terminal {$p = $terminal.p;}
| ruleref {$p = $ruleref.p;}
;

ruleref returns [ATNFactory.Handle p]
: ^(RULE_REF ARG_ACTION? ^(ELEMENT_OPTIONS .*)) {$p = factory.ruleRef($RULE_REF);}
| ^(RULE_REF ARG_ACTION?) {$p = factory.ruleRef($RULE_REF);}
| RULE_REF {$p = factory.ruleRef($RULE_REF);}
;

range returns [ATNFactory.Handle p]
: ^(RANGE a=STRING_LITERAL b=STRING_LITERAL) {$p = factory.range($a,$b);}
;

terminal returns [ATNFactory.Handle p]
: ^(STRING_LITERAL .) {$p = factory.stringLiteral((TerminalAST)$start);}
| STRING_LITERAL {$p = factory.stringLiteral((TerminalAST)$start);}
| ^(TOKEN_REF ARG_ACTION .) {$p = factory.tokenRef((TerminalAST)$start);}
| ^(TOKEN_REF .) {$p = factory.tokenRef((TerminalAST)$start);}
| TOKEN_REF {$p = factory.tokenRef((TerminalAST)$start);}
;

elementOptions
: ^(ELEMENT_OPTIONS elementOption*)
;

elementOption
: ID

```



```
|^(ASSIGN ID ID)
|^(ASSIGN ID STRING_LITERAL)
|^(ASSIGN ID ACTION)
|^(ASSIGN ID INT)
;
```

Found in path(s):

* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/parse/ATNBuilder.g

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*/

```
atn(startState, states, edges, rankdir, decisionRanks, useBox) ::= <<
```

```
digraph ATN {
```

```
rankdir=LR;
```

```
<decisionRanks; separator="\n">
```

```
<states; separator="\n">
```

```
<edges; separator="\n">
```

```
}
```

```
>>
```

```

dfa(name, startState, states, edges, rankdir, decisionRanks, useBox) ::= <<
digraph <name> {
<if(rankdir)>rankdir=<rankdir>;<endif>
<decisionRanks; separator="\n">
<states; separator="\n">
<edges; separator="\n">
}
>>

```

```

decision-rank(states) ::= <<
{rank=same; rankdir=TB; <states:{s | s<s>}>; separator=" "; ">}
>>

```

```

edge(src,target,label,arrowhead,transitionIndex) ::= <<
<src><if(transitionIndex)>p<transitionIndex><endif> -> <target> [fontsize=11, fontname="Courier", arrowsize=.7,
label = "<label>"<if(arrowhead)>, arrowhead = <arrowhead><endif>];
>>

```

```

action-edge(src,target,label,arrowhead,transitionIndex) ::= <<
<src><if(transitionIndex)>p<transitionIndex><endif> -> <target> [fontsize=11, fontname="Courier", arrowsize=.7,
label = "<label>"<if(arrowhead)>, arrowhead = <arrowhead><endif>];
>>

```

```

epsilon-edge(src,label,target,arrowhead,transitionIndex,loopback=false) ::= <<
<src><if(transitionIndex)>p<transitionIndex><endif> -> <target> [fontname="Times-Italic",
label="&epsilon;"<if(loopback)>, style="dashed"<endif>];
>>

```

```

state(state, label, name, transitions) ::= <%
<name>[fontsize=11,
label="
  <! rest(transition) tests for decision states: these nodes have a non-empty set of transitions after the first one. !>
  <if(rest(transitions))>
    {
      <! Label on the left side of the record node. !>
      <label>
      |
      <! Named ports in order on right side of record node, no display text. !>
      {<transitions:{t|\<p<i0>>}>; separator="|"} }
    <else>
      <label>
    <endif>
    "
  <if(rest(transitions))>
    , shape=record, fixedsize=false
  <else>
    , shape=circle, fixedsize=true, width=.55

```

```

<endif>
, peripheries=1];
%>

stopstate(name,label,actionIndex,useBox) ::= <<
<name>[fontsize=11, label="<label><if(actionIndex)>,\naction:<actionIndex><endif>",
<if(useBox)>shape=polygon,sides=4,peripheries=2,fixedsized=false<else>shape=doublecircle, fixedsized=true,
width=.6<endif>];
>>

```

Found in path(s):

```

* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-
jar/org/antlr/v4/tool/templates/dot/graphs.stg

```

No license file was found, but licenses were detected in source scan.

```

/*
* [The "BSD license"]
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* Copyright (c) 2012-2016 Sam Harwell
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* modification, are permitted provided that the following conditions
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* THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/

```

```

/** templates used to generate make-compatible dependencies */

```

```

/** Generate "f : x, y, z" dependencies for input

```

```

* dependencies and generated files. in and out
* are File objects. For example, you can say
* <f.canonicalPath>
*/
dependencies(grammarFileName,in,out) ::= <<
<if(in)><grammarFileName>: <in; separator=", "><endif>
<out:{f | <f> : <grammarFileName>} ; separator="\n">
>>

```

Found in path(s):

```
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/tool/templates/depend.stg
```

No license file was found, but licenses were detected in source scan.

```

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* THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/

```

```

javaTypeInitMap ::= [
  "int": "0",
  "long": "0",
  "float": "0.0f",
  "double": "0.0",

```

```

"boolean":"false",
"byte":"0",
"short":"0",
"char":"0",
default:"null" // anything other than a primitive type is an object
]

```

```
// args must be <object-model-object>, <fields-resulting-in-STs>
```

```

ParserFile(file, parser, namedActions, contextSuperClass) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<namedActions.header>
import org.antlr.v4.runtime.atn.*;
import org.antlr.v4.runtime.dfa.DFA;
import org.antlr.v4.runtime.*;
import org.antlr.v4.runtime.misc.*;
import org.antlr.v4.runtime.tree.*;
import java.util.List;
import java.util.Iterator;
import java.util.ArrayList;

<parser>
>>

```

```

ListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<header>
import org.antlr.v4.runtime.tree.ParseTreeListener;

/**
 * This interface defines a complete listener for a parse tree produced by
 * { @link <file.parserName> }.
 */
public interface <file.grammarName>Listener extends ParseTreeListener {
    <file.listenerNames> { Iname |
/**
<if(file.listenerLabelRuleNames.(Iname))>
 * Enter a parse tree produced by the { @code <Iname> \}
 * labeled alternative in { @link <file.parserName> #<file.listenerLabelRuleNames.(Iname)> \}.
<else>
 * Enter a parse tree produced by { @link <file.parserName> #<Iname> \}.
<endif>

```

```

* @param ctx the parse tree
*/
void enter<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx);
/**
<if(file.listenerLabelRuleNames.(lname))>
* Exit a parse tree produced by the { @code <lname>\}
* labeled alternative in { @link <file.parserName>#<file.listenerLabelRuleNames.(lname)>\}.
<else>
* Exit a parse tree produced by { @link <file.parserName>#<lname>\}.
<endif>
* @param ctx the parse tree
*/
void exit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx);}; separator="\n">
}
>>

```

```

BaseListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<header>

```

```

import org.antlr.v4.runtime.ParserRuleContext;
import org.antlr.v4.runtime.tree.ErrorNode;
import org.antlr.v4.runtime.tree.TerminalNode;

```

```

/**
* This class provides an empty implementation of { @link <file.grammarName>Listener},
* which can be extended to create a listener which only needs to handle a subset
* of the available methods.
*/
public class <file.grammarName>BaseListener implements <file.grammarName>Listener {
<file.listenerNames: {lname |
/**
* { @inheritDoc\}
*
* \<p>The default implementation does nothing.\</p>
*/
@Override public void enter<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx) { \}
/**
* { @inheritDoc\}
*
* \<p>The default implementation does nothing.\</p>
*/
@Override public void exit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx) { \};
separator="\n">

```

```

/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
@Override public void enterEveryRule(ParserRuleContext ctx) { }
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
@Override public void exitEveryRule(ParserRuleContext ctx) { }
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
@Override public void visitTerminal(TerminalNode node) { }
/**
 * {@inheritDoc\}
 *
 * \<p>The default implementation does nothing.\</p>
 */
@Override public void visitErrorNode(ErrorNode node) { }
}
>>

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<header>
import org.antlr.v4.runtime.tree.ParseTreeVisitor;

/**
 * This interface defines a complete generic visitor for a parse tree produced
 * by { @link <file.parserName> }.
 *
 * @param \<T> The return type of the visit operation. Use { @link Void } for
 * operations with no return type.
 */
public interface <file.grammarName>Visitor\<T> extends ParseTreeVisitor\<T> {
    <file.visitorNames:{ Iname |
/**
<if(file.visitorLabelRuleNames.(Iname))>
 * Visit a parse tree produced by the { @code <Iname>}
 * labeled alternative in { @link <file.parserName>#<file.visitorLabelRuleNames.(Iname)>}|.

```

```

<else>
* Visit a parse tree produced by { @link <file.parserName>#<lname>\}.
<endif>
* @param ctx the parse tree
* @return the visitor result
*/
T visit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx);}; separator="\n">
}
>>

BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
package <file.genPackage>;
<endif>
<header>
import org.antlr.v4.runtime.tree.AbstractParseTreeVisitor;

/**
* This class provides an empty implementation of { @link <file.grammarName>Visitor},
* which can be extended to create a visitor which only needs to handle a subset
* of the available methods.
*
* @param \<T> The return type of the visit operation. Use { @link Void} for
* operations with no return type.
*/
public class <file.grammarName>BaseVisitor<T> extends AbstractParseTreeVisitor<T> implements
<file.grammarName>Visitor<T> {
<file.visitorNames:{ lname |
/**
* { @inheritDoc\}
*
* \<p>The default implementation returns the result of calling
* { @link #visitChildren\} on { @code ctx\}.\</p>
*/
@Override public T visit<lname; format="cap">(<file.parserName>.<lname; format="cap">Context ctx) { return
visitChildren(ctx); \} }; separator="\n">
}
>>

fileHeader(grammarFileName, ANTLRVersion) ::= <<
// Generated from <grammarFileName; format="java-escape"> by ANTLR <ANTLRVersion>
>>

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

```



```

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
@SuppressWarnings({"all", "warnings", "unchecked", "unused", "cast"})
public class <parser.name> extends <superClass; null="Parser"> {
    static { RuntimeMetaData.checkVersion("<file.ANTLRVersion>", RuntimeMetaData.VERSION); }

    protected static final DFA[] _decisionToDFA;
    protected static final PredictionContextCache _sharedContextCache =
        new PredictionContextCache();
    <if(parser.tokens)>
    public static final int
        <parser.tokens:{k | <k>=<parser.tokens.(k)>}; separator=", ", wrap, anchor>;
    <endif>
    <if(parser.rules)>
    public static final int
        <parser.rules:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>;
    <endif>
    private static String[] makeRuleNames() {
        return new String[] {
            <parser.ruleNames:{r | "<r>"}; separator=", ", wrap, anchor>
        };
    }
    public static final String[] ruleNames = makeRuleNames();

    <vocabulary(parser.literalNames, parser.symbolicNames)>

    @Override
    public String getGrammarFileName() { return "<parser.grammarFileName; format="java-escape">"; }

    @Override
    public String[] getRuleNames() { return ruleNames; }

    @Override
    public String getSerializedATN() { return _serializedATN; }

    @Override
    public ATN getATN() { return _ATN; }

    <namedActions.members>
    <parser:(ctor())>
    <funcs; separator="\n">

    <if(sempredFuncs)>
    public boolean sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
        switch (ruleIndex) {
            <parser.sempredFuncs.values:{f}
        case <f.ruleIndex>:
            return <f.name>_sempred((<f.ctxType>)_localctx, predIndex);}; separator="\n"
        }
    }

```

```

    return true;
}
<sempredFuncs.values; separator="\n">
<endif>

<atn>
}
>>

vocabulary(literalNames, symbolicNames) ::= <<
private static String[] makeLiteralNames() {
return new String[] {
<literalNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
};
}
private static final String[] _LITERAL_NAMES = makeLiteralNames();
private static String[] makeSymbolicNames() {
return new String[] {
<symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
};
}
private static final String[] _SYMBOLIC_NAMES = makeSymbolicNames();
public static final Vocabulary VOCABULARY = new VocabularyImpl(_LITERAL_NAMES,
_SYMBOLIC_NAMES);

/**
 * @deprecated Use {@link #VOCABULARY} instead.
 */
@Deprecated
public static final String[] tokenNames;
static {
tokenNames = new String[_SYMBOLIC_NAMES.length];
for (int i = 0; i < tokenNames.length; i++) {
tokenNames[i] = VOCABULARY.getLiteralName(i);
if (tokenNames[i] == null) {
tokenNames[i] = VOCABULARY.getSymbolicName(i);
}

if (tokenNames[i] == null) {
tokenNames[i] = "\<INVALID>";
}
}
}

@Override
@Deprecated
public String[] getTokenNames() {
return tokenNames;
}

```

```

}

@Override

public Vocabulary getVocabulary() {
    return VOCABULARY;
}
>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
@Override
public void action(RuleContext _localctx, int ruleIndex, int actionIndex) {
    switch (ruleIndex) {
        <recog.actionFuncs.values:{f}
    case <f.ruleIndex>:
        <f.name>_action((<f.ctxType>)_localctx, actionIndex);
        break;}; separator="\n">
    }
}
<actionFuncs.values; separator="\n">
<endif>
<if(sempredFuncs)>
@Override
public boolean sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
    switch (ruleIndex) {
        <recog.sempredFuncs.values:{f}
    case <f.ruleIndex>:
        return <f.name>_sempred((<f.ctxType>)_localctx, predIndex);}; separator="\n">
    }
    return true;
}
<sempredFuncs.values; separator="\n">
<endif>
>>

parser_ctor(p) ::= <<
public <p.name>(TokenStream input) {
    super(input);
    _interp = new ParserATNSimulator(this,_ATN,_decisionToDFA,_sharedContextCache);
}
>>

/* This generates a private method since the actionIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleActionFunction(r, actions) ::= <<
private void <r.name>_action(<r.ctxType> _localctx, int actionIndex) {

```

```

switch (actionIndex) {
  <actions:{index|
case <index>:
  <actions.(index)>
  break;}; separator="\n">
  }
}
>>

/* This generates a private method since the predIndex is generated, making an
* overriding implementation impossible to maintain.
*/
RuleSempredFunction(r, actions) ::= <<
private boolean <r.name>_sempred(<r.ctxType> _localctx, int predIndex) {
  switch (predIndex) {
    <actions:{index|
case <index>:
    return <actions.(index)>;}; separator="\n">
  }
  return true;
}
>>

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>public final <endif><currentRule.ctxType>
<currentRule.name><(<args; separator=",">) throws RecognitionException {
  <currentRule.ctxType> _localctx = new <currentRule.ctxType>(<_ctx, getState()<currentRule.args:{a | ,
<a.name>}>>);
  enterRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>);
  <namedActions.init>
  <locals; separator="\n">
  try {
    <if(currentRule.hasLookaheadBlock)>
    int _alt;
  <endif>
  <code>
  <postamble; separator="\n">
  <namedActions.after>
  }
  <if(exceptions)>
  <exceptions; separator="\n">
  <else>
  catch (RecognitionException re) {

```

```

    _localctx.exception = re;
    _errHandler.reportError(this, re);
    _errHandler.recover(this, re);
}
<endif>
finally {
    <finallyAction>
    exitRule();
}
return _localctx;
}
>>

```

```

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
    namedActions,finallyAction,postamble) ::=
<<

```

```

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

```

```

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>public final <endif><currentRule.ctxType>
<currentRule.name><(args; separator=", ">) throws RecognitionException {
    return <currentRule.name>(0<currentRule.args:{a | , <a.name>}>);
}

```

```

private <currentRule.ctxType> <currentRule.name>(int _p<args:{a | , <a>}>) throws RecognitionException {
    ParserRuleContext _parentctx = _ctx;
    int _parentState = getState();
    <currentRule.ctxType> _localctx = new <currentRule.ctxType>(_ctx, _parentState<currentRule.args:{a | ,
    <a.name>}>);
    <currentRule.ctxType> _prevctx = _localctx;
    int _startState = <currentRule.startState>;
    enterRecursionRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>, _p);
    <namedActions.init>
    <locals; separator="\n">
    try {
    <if(currentRule.hasLookaheadBlock)>
        int _alt;
    <endif>
        <code>
        <postamble; separator="\n">
        <namedActions.after>
    }
    catch (RecognitionException re) {
        _localctx.exception = re;
        _errHandler.reportError(this, re);
        _errHandler.recover(this, re);
    }
}

```

```

finally {
  <finallyAction>
  unrollRecursionContexts(_parentctx);
}
return _localctx;
}
>>

```

```

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>_localctx = new <currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(_localctx);<endif>
enterOuterAlt(_localctx, <currentOuterMostAltCodeBlock.alt.altNum>);
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

```

```

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
{
  <locals; separator="\n">
  <preamble; separator="\n">
  <ops; separator="\n">
}
>>

```

```

LL1AltBlock(choice, preamble, alts, error) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = _input.LT(1);<endif>
<preamble; separator="\n">
switch (_input.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  break;}; separator="\n">
default:
  <error>
}
>>

```

```

LL1OptionalBlock(choice, alts, error) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
switch (_input.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  break;}; separator="\n">
default:
  break;
}
>>

```

```

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
<preamble; separator="\n">
if (<expr>) {
  <alts; separator="\n">
}
<!else if ( !(<followExpr>) ) <error!>
>>

```

```

LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
<preamble; separator="\n">
while (<loopExpr>) {
  <alts; separator="\n">
  setState(<choice.loopBackStateNumber>);
  _errHandler.sync(this);
  <iteration>
}
>>

```

```

LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<
setState(<choice.blockStartStateNumber>); <! alt block decision !>
_errHandler.sync(this);
<preamble; separator="\n">
do {
  <alts; separator="\n">
  setState(<choice.stateNumber>); <! loopback/exit decision !>
  _errHandler.sync(this);
  <iteration>
} while ( <loopExpr> );
>>

```

// LL(*) stuff

```

AltBlock(choice, preamble, alts, error) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
<if(choice.label)><labelref(choice.label)> = _input.LT(1);<endif>
<preamble; separator="\n">
switch ( getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx) ) {
  <alts:{alt |
case <i>:
  <alt>
break;}; separator="\n">
}

```

>>

```
OptionalBlock(choice, alts, error) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
switch ( getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx) ) {
<alts:{ alt |
case <i><if(!choice.ast.greedy)>+1<endif>:
<alt>
break;}; separator="\n">
}
>>
```

```
StarBlock(choice, alts, sync, iteration) ::= <<
setState(<choice.stateNumber>);
_errHandler.sync(this);
_alt = getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx);
while ( _alt!=<choice.exitAlt> && _alt!=org.antlr.v4.runtime.atn.ATN.INVALID_ALT_NUMBER ) {
if ( _alt==1<if(!choice.ast.greedy)>+1<endif> ) {
<iteration>
<alts> <! should only be one !>
}
setState(<choice.loopBackStateNumber>);
_errHandler.sync(this);
_alt = getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx);
}
>>
```

```
PlusBlock(choice, alts, error) ::= <<
setState(<choice.blockStartStateNumber>); <! alt block decision !>
_errHandler.sync(this);
_alt = 1<if(!choice.ast.greedy)>+1<endif>;
do {
switch ( _alt ) {
<alts:{ alt|
case <i><if(!choice.ast.greedy)>+1<endif>:
<alt>
break;}; separator="\n">
default:
<error>
}
setState(<choice.loopBackStateNumber>); <! loopback/exit decision !>
_errHandler.sync(this);
_alt = getInterpreter().adaptivePredict(_input,<choice.decision>,_ctx);
} while ( _alt!=<choice.exitAlt> && _alt!=org.antlr.v4.runtime.atn.ATN.INVALID_ALT_NUMBER );
>>
```

```
Sync(s) ::= "sync(<s.expecting.name>);"
```



```

ThrowNoViableAlt(t) ::= "throw new NoViableAltException(this);"

TestSetInline(s) ::= <<
<s.bitsets:{bits | <if(rest(rest(bits.ttypes))>><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,
bits)><endif>}; separator=" || ">
>>

// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
testShiftInRange(shiftAmount) ::= <<
((<shiftAmount>) & ~0x3f) == 0
>>

// produces smaller bytecode only when bits.ttypes contains more than two items
bitsetBitfieldComparison(s, bits) ::= <%
(<testShiftInRange({<offsetShift(s.varName, bits.shift)>})> && ((1L \<< <offsetShift(s.varName, bits.shift)>) &
(<bits.ttypes:{ttype | (1L \<< <offsetShift(ttype, bits.shift)>)}; separator=" | ">)) != 0)
%>

isZero ::= [
"0":true,
default:false
]

offsetShift(shiftAmount, offset) ::= <%
<if(!isZero.(offset))><shiftAmount> - <offset><else><shiftAmount><endif>
%>

// produces more efficient bytecode when bits.ttypes contains at most two items
bitsetInlineComparison(s, bits) ::= <%
<bits.ttypes:{ttype | <s.varName>==<ttype>}; separator=" || ">
%>

cases(ttypes) ::= <<
<ttypes:{t | case <t>:}; separator="\n">
>>

InvokeRule(r, argExprsChunks) ::= <<
setState(<r.stateNumber>);
<if(r.labels)><r.labels:{1 | <labelref(l)> =
}><endif><r.name>(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><argExprsChunks>
);
>>

MatchToken(m) ::= <<
setState(<m.stateNumber>);
<if(m.labels)><m.labels:{1 | <labelref(l)> = }><endif>match(<m.name>);
>>

```

```
MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"
```

```
MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"
```

```
CommonSetStuff(m, expr, capture, invert) ::= <<
setState(<m.stateNumber>);
<if(m.labels)><m.labels:{1 | <labelref(l)> = }>_input.LT(1);<endif>
<capture>
if ( <if(invert)><m.varName> \<= 0 || <else>!<endif>(<expr> ) ) {
  <if(m.labels)><m.labels:{1 | <labelref(l)> = (Token)}><endif>_errHandler.recoverInline(this);
}
else {
  if ( _input.LA(1)==Token.EOF ) matchedEOF = true;
  _errHandler.reportMatch(this);
  consume();
}
>>
```

```
Wildcard(w) ::= <<
setState(<w.stateNumber>);
<if(w.labels)><w.labels:{1 | <labelref(l)> = }><endif>matchWildcard();
>>
```

```
// ACTION STUFF
```

```
Action(a, foo, chunks) ::= "<chunks>"
```

```
ArgAction(a, chunks) ::= "<chunks>"
```

```
SemPred(p, chunks, failChunks) ::= <<
setState(<p.stateNumber>);
if (!(<chunks>)) throw new FailedPredicateException(this, <p.predicate><if(failChunks)>,
<failChunks><elseif(p.msg)>, <p.msg><endif>);
>>
```

```
ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
  <catchAction>
}
>>
```

```
// lexer actions are not associated with model objects
```

```
LexerSkipCommand() ::= "skip()";
```

```
LexerMoreCommand() ::= "more()";
```

```
LexerPopModeCommand() ::= "popMode()";
```

```

LexerTypeCommand(arg, grammar) ::= "_type = <arg>";
LexerChannelCommand(arg, grammar) ::= "_channel = <arg>";
LexerModeCommand(arg, grammar) ::= "_mode = <arg>";
LexerPushModeCommand(arg, grammar) ::= "pushMode(<arg>);"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "_localctx.<a.name>"
LocalRef(a) ::= "_localctx.<a.name>"
RetValRef(a) ::= "_localctx.<a.name>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<a.name>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<t.name>"
LabelRef(t) ::= "<ctx(t)>.<t.name>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(t.name)>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<s.name> = <rhsChunks>";

TokenLabelType() ::= "<file.TokenLabelType; null={Token}>"
InputSymbolType() ::= "<file.InputSymbolType; null={Token}>"

TokenPropertyRef_text(t) ::= "<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getText():null)"
TokenPropertyRef_type(t) ::= "<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getType():0)"
TokenPropertyRef_line(t) ::= "<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getLine():0)"
TokenPropertyRef_pos(t) ::= "<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getCharPositionInLine():0)"
TokenPropertyRef_channel(t) ::= "<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getChannel():0)"
TokenPropertyRef_index(t) ::= "<ctx(t)>.<t.label>!=null?<ctx(t)>.<t.label>.getTokenIndex():0)"
TokenPropertyRef_int(t) ::= "<ctx(t)>.<t.label>!=null?Integer.valueOf(<ctx(t)>.<t.label>.getText()):0)"

RulePropertyRef_start(r) ::= "<ctx(r)>.<r.label>!=null?<ctx(r)>.<r.label>.start():null)"
RulePropertyRef_stop(r) ::= "<ctx(r)>.<r.label>!=null?<ctx(r)>.<r.label>.stop():null)"
RulePropertyRef_text(r) ::=
"<ctx(r)>.<r.label>!=null?_input.getText(<ctx(r)>.<r.label>.start,<ctx(r)>.<r.label>.stop):null)"
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "this"

ThisRulePropertyRef_start(r) ::= "_localctx.start"
ThisRulePropertyRef_stop(r) ::= "_localctx.stop"
ThisRulePropertyRef_text(r) ::= "_input.getText(_localctx.start, _input.LT(-1))"
ThisRulePropertyRef_ctx(r) ::= "_localctx"
ThisRulePropertyRef_parser(r) ::= "this"

NonLocalAttrRef(s) ::= "(<s.ruleName; format=\"cap\">Context)getInvokingContext(<s.ruleIndex>).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::=
"(<s.ruleName; format=\"cap\">Context)getInvokingContext(<s.ruleIndex>).<s.name> = <rhsChunks>";

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.add(<labelref(a.label)>);"

TokenDecl(t) ::= "<TokenLabelType()> <t.name>"

```

```

TokenTypeDecl(t) ::= "int <t.name>";
TokenListDecl(t) ::= "List<<Token> <t.name> = new ArrayList<<Token>()"
RuleContextDecl(r) ::= "<r.ctxName> <r.name>"
RuleContextListDecl(rdecl) ::= "List<<<rdecl.ctxName>> <rdecl.name> = new ArrayList<<<rdecl.ctxName>>()"

ContextTokenGetterDecl(t) ::=
    "public TerminalNode <t.name>() { return getToken(<parser.name>.<t.name>, 0); }"
ContextTokenListGetterDecl(t) ::=
    "public List<<TerminalNode> <t.name>() { return getTokens(<parser.name>.<t.name>); }"
ContextTokenListIndexedGetterDecl(t) ::= <<
public TerminalNode <t.name>(int i) {
    return getToken(<parser.name>.<t.name>, i);
}
>>
ContextRuleGetterDecl(r) ::= <<
public <r.ctxName> <r.name>() {
    return getRuleContext(<r.ctxName>.class,0);
}
>>
ContextRuleListGetterDecl(r) ::= <<
public List<<<r.ctxName>> <r.name>() {
    return getRuleContexts(<r.ctxName>.class);
}
>>
ContextRuleListIndexedGetterDecl(r) ::= <<
public <r.ctxName> <r.name>(int i) {
    return getRuleContext(<r.ctxName>.class,i);
}
>>

LexerRuleContext() ::= "RuleContext"

/** The rule context name is the rule followed by a suffix; e.g.,
 * r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "<tokenName>"
ImplicitRuleLabel(ruleName) ::= "<ruleName>"
ImplicitSetLabel(id) ::= "_tset<id>"
ListLabelName(label) ::= "<label>"

CaptureNextToken(d) ::= "<d.varName> = _input.LT(1);"
CaptureNextTokenType(d) ::= "<d.varName> = _input.LA(1);"

StructDecl(struct,ctorAttrs,attrs, getters,dispatchMethods,interfaces,extensionMembers)
::= <<
public static class <struct.name> extends

```

```

<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)> implements
<interfaces; separator=", "><endif> {
  <attrs:{ a | public <a>;}; separator="\n">
  <getters:{ g | <g>;}; separator="\n">
  <if(ctorAttrs)>public <struct.name>(ParserRuleContext parent, int invokingState) { super(parent, invokingState);
  }<endif>
  public <struct.name>(ParserRuleContext parent, int invokingState<ctorAttrs:{ a | , <a>>>) {
    super(parent, invokingState);
    <struct.ctorAttrs:{ a | this.<a.name> = <a.name>;}; separator="\n">
  }
  @Override public int getRuleIndex() { return RULE_<struct.derivedFromName>; }
  <if(struct.provideCopyFrom)> <! don't need copy unless we have subclasses !>
  public <struct.name>() { }
  public void copyFrom(<struct.name> ctx) {
    super.copyFrom(ctx);
    <struct.attrs:{ a | this.<a.name> = ctx.<a.name>;}; separator="\n">
  }
<endif>
  <dispatchMethods; separator="\n">
  <extensionMembers; separator="\n">
}
>>

```

```

AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<
public static class <struct.name> extends <currentRule.name; format="cap">Context {
  <attrs:{ a | public <a>;}; separator="\n">
  <getters:{ g | <g>;}; separator="\n">
  public <struct.name>(<currentRule.name; format="cap">Context ctx) { copyFrom(ctx); }
  <dispatchMethods; separator="\n">
}
>>

```

```

ListenerDispatchMethod(method) ::= <<
@Override
public void <if(method.isEnter)>enter<else>exit<endif>Rule(ParseTreeListener listener) {
  if ( listener instanceof <parser.grammarName>Listener )
    ((<parser.grammarName>Listener)listener).<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName;
format="cap">(this);
}
>>

```

```

VisitorDispatchMethod(method) ::= <<
@Override
public <T> T accept(ParseTreeVisitor<? extends T> visitor) {
  if ( visitor instanceof <parser.grammarName>Visitor ) return ((<parser.grammarName>Visitor<? extends
T>)visitor).visit<struct.derivedFromName; format="cap">(this);
  else return visitor.visitChildren(this);
}

```

>>

```
AttributeDecl(d) ::= "<d.type> <d.name><if(d.initValue)> = <d.initValue><endif>"
```

```
/** If we don't know location of label def x, use this template */
```

```
labelref(x) ::= "<if(!x.isLocal)>((<x.ctx.name>)_localctx).<endif><x.name>"
```

```
/** For any action chunk, what is correctly-typed context struct ptr? */
```

```
ctx(actionChunk) ::= "((<actionChunk.ctx.name>)_localctx)"
```

```
// used for left-recursive rules
```

```
recRuleAltPredicate(ruleName,opPrec) ::= "precpred(<ctx>, <opPrec>)"
```

```
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>";
```

```
recRuleSetStopToken() ::= "_ctx.stop = _input.LT(-1);"
```

```
recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
```

```
_localctx = new <ctxName>Context(<parentctx>, <parentState>);
```

```
<if(label)>
```

```
<if(isListLabel)>
```

```
_localctx.<label>.add(<prevctx>);
```

```
<else>
```

```
_localctx.<label> = <prevctx>;
```

```
<endif>
```

```
<endif>
```

```
<if(label)>_localctx.<label> = <prevctx>;<endif>
```

```
pushNewRecursionContext(<localctx>, <startState>, RULE_<ruleName>);
```

```
>>
```

```
recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
```

```
_localctx = new <currentAltLabel; format="cap">Context(new <ruleName; format="cap">Context(<parentctx>, <parentState>));
```

```
<if(label)>
```

```
<if(isListLabel)>
```

```
((<currentAltLabel; format="cap">Context)_localctx).<label>.add(<prevctx>);
```

```
<else>
```

```
((<currentAltLabel; format="cap">Context)_localctx).<label> = <prevctx>;
```

```
<endif>
```

```
<endif>
```

```
pushNewRecursionContext(<localctx>, <startState>, RULE_<ruleName>);
```

```
>>
```

```
recRuleReplaceContext(ctxName) ::= <<
```

```
_localctx = new <ctxName>Context(<localctx>);
```

```
_ctx = <localctx>;
```

```
<prevctx> = <localctx>;
```

```
>>
```

```
recRuleSetPrevCtx() ::= <<
```

```

if ( _parseListeners!=null ) triggerExitRuleEvent();
_prevctx = _localctx;
>>

```

```

LexerFile(lexerFile, lexer, namedActions) ::= <<
<fileHeader(lexerFile.grammarFileName, lexerFile.ANTLRVersion)>
<if(lexerFile.genPackage)>
package <lexerFile.genPackage>;
<endif>
<namedActions.header>
import org.antlr.v4.runtime.Lexer;
import org.antlr.v4.runtime.CharStream;
import org.antlr.v4.runtime.Token;
import org.antlr.v4.runtime.TokenStream;
import org.antlr.v4.runtime.*;
import org.antlr.v4.runtime.atn.*;
import org.antlr.v4.runtime.dfa.DFA;
import org.antlr.v4.runtime.misc.*;

<lexer>
>>

```

```

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
@SuppressWarnings({"all", "warnings", "unchecked", "unused", "cast"})
public class <lexer.name> extends <superClass; null="Lexer"> {
    static { RuntimeMetaData.checkVersion("<lexerFile.ANTLRVersion>", RuntimeMetaData.VERSION); }

    protected static final DFA[] _decisionToDFA;
    protected static final PredictionContextCache _sharedContextCache =
        new PredictionContextCache();
    <if(lexer.tokens)>
    public static final int
    <lexer.tokens:{k | <k>=<lexer.tokens.(k)>}; separator=", ", wrap, anchor>;
    <endif>
    <if(lexer.channels)>
    public static final int
    <lexer.channels:{c | <c>=<lexer.channels.(c)>}; separator=", ", wrap, anchor>;
    <endif>
    <if(rest(lexer.modes)>
    public static final int
    <rest(lexer.modes){m | <m>=<i>}; separator=", ", wrap, anchor>;
    <endif>
    public static String[] channelNames = {
        "DEFAULT_TOKEN_CHANNEL", "HIDDEN"<if (lexer.channels)>, <lexer.channels:{c| "<c>"}; separator=", ",
wrap, anchor><endif>
    };
}

```

```

public static String[] modeNames = {
    <lexer.modes:{m| "<m>"}; separator=", ", wrap, anchor>
};

private static String[] makeRuleNames() {
    return new String[] {
        <lexer.ruleNames:{r| "<r>"}; separator=", ", wrap, anchor>
    };
}
public static final String[] ruleNames = makeRuleNames();

<vocabulary(lexer.literalNames, lexer.symbolicNames)>

<namedActions.members>

public <lexer.name>(CharStream input) {
    super(input);
    _interp = new LexerATNSimulator(this, _ATN, _decisionToDFA, _sharedContextCache);
}

@Override
public String getGrammarFileName() { return "<lexer.grammarFileName>"; }

@Override
public String[] getRuleNames() { return ruleNames; }

@Override
public String getSerializedATN() { return _serializedATN; }

@Override
public String[] getChannelNames() { return channelNames; }

@Override
public String[] getModeNames() { return modeNames; }

@Override
public ATN getATN() { return _ATN; }

<dumpActions(lexer, "", actionFuncs, sempredFuncs)>
<atn>
}
>>

SerializedATN(model) ::= <<
<if(rest(model.segments))>
<! requires segmented representation !>
private static final int _serializedATNSegments = <length(model.segments)>;
<model.segments:{segment|private static final String _serializedATNSegment<i0> =

```



```

"<segment; wrap={"+<\n><\t>">"; separator="\n">
public static final String _serializedATN = Utils.join(
new String[] {
<model.segments:{segment | _serializedATNSegment<i0>}; separator=",\n">
},
""
);
<else>
<! only one segment, can be inlined !>
public static final String _serializedATN =
"<model.serialized; wrap={"+<\n><\t>">";
<endif>
public static final ATN _ATN =
new ATNDeserializer().deserialize(_serializedATN.toCharArray());
static {
_decisionToDFA = new DFA[_ATN.getNumberOfDecisions()];
for (int i = 0; i < _ATN.getNumberOfDecisions(); i++) {
_decisionToDFA[i] = new DFA(_ATN.getDecisionState(i), i);
}
<! org.antlr.v4.tool.DOTGenerator dot = new org.antlr.v4.tool.DOTGenerator(null);!>
<! System.out.println(dot.getDOT(_ATN.decisionToState.get(0), ruleNames, false));!>
<! System.out.println(dot.getDOT(_ATN.ruleToStartState[2], ruleNames, false));!>
}
>>

/** Using a type to init value map, try to init a type; if not in table
* must be an object, default value is "null".
*/
initValue(typeName) ::= <<
<javaTypeInitMap.(typeName)>
>>

codeFileExtension() ::= ".java"

```

Found in path(s):

```
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-
jar/org/antlr/v4/tool/templates/codegen/Java/Java.stg
```

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```
/*
```

```
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```

```
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*/

/*

This file contains the actual layout of the messages emitted by ANTLR.
The text itself is coming out of the languages/*stg files, according to the chosen locale.
This file contains the format that mimicks GCC output.

*/

location(file, line, column) ::= "<file>:<line>:<column>:"

message(id, text) ::= "<text> [error <id>]"

report(location, message, type) ::= "<location> <type>: <message>"

wantsSingleLineMessage() ::= "true"

Found in path(s):

* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/tool/templates/messages/formats/gnu.stg

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*/

Found in path(s):

* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/parse/ANTLRLexer.java

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Found in path(s):

* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/META-

INF/maven/org/antlr/antlr4/pom.xml

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*/

// args must be <object-model-object>, <fields-resulting-in-STs>

```
ParserFile(file, parser, namedActions, contextSuperClass) ::= <<  
<fileHeader(file.grammarFileName, file.ANTLRVersion)>  
<if(file.genPackage)>  
namespace <file.genPackage> {  
<endif>  
<namedActions.header>  
using System;  
using System.IO;  
using System.Text;  
using System.Diagnostics;  
using System.Collections.Generic;  
using Antlr4.Runtime;  
using Antlr4.Runtime.Atn;  
using Antlr4.Runtime.Misc;  
using Antlr4.Runtime.Tree;  
using DFA = Antlr4.Runtime.Dfa.DFA;  
  
<parser>  
<if(file.genPackage)>  
} // namespace <file.genPackage>  
<endif>  
>>
```

```
ListenerFile(file, header, namedActions) ::= <<  
<fileHeader(file.grammarFileName, file.ANTLRVersion)>  
<if(file.genPackage)>  
namespace <file.genPackage> {  
<endif>  
<header>  
using Antlr4.Runtime.Misc;  
using IParseTreeListener = Antlr4.Runtime.Tree.IParseTreeListener;  
using IToken = Antlr4.Runtime.IToken;  
  
/// <summary>  
/// This interface defines a complete listener for a parse tree produced by  
/// <see cref="<csIdentifier.(file.parserName)>" />.
```

```

/// \</summary>
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public interface I<file.grammarName>Listener : IParseTreeListener {
  <file.listenerNames: { Iname |
/// \<summary>
<if(file.listenerLabelRuleNames.(Iname))>
/// Enter a parse tree produced by the \<c><Iname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(Iname)>"/>.
<else>
/// Enter a parse tree produced by \<see cref="<file.parserName>.<Iname>"/>.
<endif>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
void Enter<Iname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<Iname; format="cap">Context
context);
/// \<summary>
<if(file.listenerLabelRuleNames.(Iname))>
/// Exit a parse tree produced by the \<c><Iname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(Iname)>"/>.
<else>
/// Exit a parse tree produced by \<see cref="<file.parserName>.<Iname>"/>.
<endif>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
void Exit<Iname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<Iname; format="cap">Context
context);}; separator="\n"
}
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

```

```

BaseListenerFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<header>

```

```

using Antlr4.Runtime.Misc;
using IErrorNode = Antlr4.Runtime.Tree.IErrorNode;
using ITerminalNode = Antlr4.Runtime.Tree.ITerminalNode;
using IToken = Antlr4.Runtime.IToken;
using ParserRuleContext = Antlr4.Runtime.ParserRuleContext;

```

```

/// \<summary>
/// This class provides an empty implementation of \<see cref="I<file.grammarName>Listener"/>,

```

```

/// which can be extended to create a listener which only needs to handle a subset
/// of the available methods.
/// \</summary>
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.Diagnostics.DebuggerNonUserCode]
[System.CLSCompliant(false)]
public partial class <file.grammarName>BaseListener : I<file.grammarName>Listener {
    <file.listenerNames:{Iname |
/// \<summary>
<if(file.listenerLabelRuleNames.(Iname))>
/// Enter a parse tree produced by the \<c><Iname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(Iname)>"/>.
<else>
/// Enter a parse tree produced by \<see cref="<file.parserName>.<Iname>"/>.
<endif>
/// \<para>The default implementation does nothing.\</para>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
public virtual void Enter<Iname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<Iname;
format="cap">Context context) { \}
/// \<summary>
<if(file.listenerLabelRuleNames.(Iname))>
/// Exit a parse tree produced by the \<c><Iname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.listenerLabelRuleNames.(Iname)>"/>.
<else>
/// Exit a parse tree produced by \<see cref="<file.parserName>.<Iname>"/>.
<endif>
/// \<para>The default implementation does nothing.\</para>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
public virtual void Exit<Iname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<Iname;
format="cap">Context context) { \}); separator="\n">

/// \<inheritdoc>
/// \<remarks>The default implementation does nothing.\</remarks>
public virtual void EnterEveryRule([NotNull] ParserRuleContext context) { }
/// \<inheritdoc>
/// \<remarks>The default implementation does nothing.\</remarks>
public virtual void ExitEveryRule([NotNull] ParserRuleContext context) { }
/// \<inheritdoc>
/// \<remarks>The default implementation does nothing.\</remarks>
public virtual void VisitTerminal([NotNull] ITerminalNode node) { }
/// \<inheritdoc>
/// \<remarks>The default implementation does nothing.\</remarks>
public virtual void VisitErrorNode([NotNull] IErrorNode node) { }
}
<if(file.genPackage)>
} // namespace <file.genPackage>

```

```

<endif>
>>

VisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<header>
using Antlr4.Runtime.Misc;
using Antlr4.Runtime.Tree;
using IToken = Antlr4.Runtime.IToken;

/// \<summary>
/// This interface defines a complete generic visitor for a parse tree produced
/// by \<see cref="<csIdentifier.(file.parserName)>">/>.
/// \</summary>
/// \<typeparam name="Result">The return type of the visit operation.\</typeparam>
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public interface I<file.grammarName>Visitor<Result> : IParseTreeVisitor<Result> {
    <file.visitorNames:{ Iname |
/// \<summary>
<if(file.visitorLabelRuleNames.(Iname))>
/// Visit a parse tree produced by the \<c><Iname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.visitorLabelRuleNames.(Iname)>">/>.
<else>
/// Visit a parse tree produced by \<see cref="<file.parserName>.<Iname>">/>.
<endif>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
/// \<return>The visitor result.\</return>
Result Visit<Iname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<Iname; format="cap">Context
context);}; separator="\n"
    }
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

BaseVisitorFile(file, header, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<header>
using Antlr4.Runtime.Misc;
using Antlr4.Runtime.Tree;

```

```

using IToken = Antlr4.Runtime.IToken;
using ParserRuleContext = Antlr4.Runtime.ParserRuleContext;

/// \<summary>
/// This class provides an empty implementation of \<see cref="I<file.grammarName>Visitor{Result}"/>,
/// which can be extended to create a visitor which only needs to handle a subset
/// of the available methods.
/// \</summary>
/// \<typeparam name="Result">The return type of the visit operation.\</typeparam>
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.Diagnostics.DebuggerNonUserCode]
[System.CLSCompliant(false)]
public partial class <file.grammarName>BaseVisitor<Result> : AbstractParseTreeVisitor<Result>,
I<file.grammarName>Visitor<Result> {
    <file.visitorNames:{Iname |
/// \<summary>
<if(file.visitorLabelRuleNames.(Iname))>
/// Visit a parse tree produced by the \<c><Iname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.visitorLabelRuleNames.(Iname)>"/>.
<else>
/// Visit a parse tree produced by \<see cref="<file.parserName>.<Iname>"/>.
<endif>
/// \<para>
/// The default implementation returns the result of calling \<see
cref="AbstractParseTreeVisitor{Result}.VisitChildren(IRuleNode)"/>
/// on \<paramref name="context"/>.
/// \</para>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
/// \<return>The visitor result.\</return>
public virtual Result Visit<Iname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<Iname;
format="cap">Context context) { return VisitChildren(context); \}}; separator="\n"
    }
<if(file.genPackage)>
    } // namespace <file.genPackage>
<endif>
>>

fileHeader(grammarFileName, ANTLRVersion) ::= <<
//-----
// \<auto-generated>
// This code was generated by a tool.
// ANTLR Version: <ANTLRVersion>
//
// Changes to this file may cause incorrect behavior and will be lost if
// the code is regenerated.
// \</auto-generated>
//-----

```



```

// Generated from <grammarFileName> by ANTLR <ANTLRVersion>

// Unreachable code detected
#pragma warning disable 0162
// The variable '...' is assigned but its value is never used
#pragma warning disable 0219
// Missing XML comment for publicly visible type or member '...'
#pragma warning disable 1591
// Ambiguous reference in cref attribute
#pragma warning disable 419

>>

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<Parser_(ctor="parser_ctor", ...)>
>>

Parser_(parser, funcs, atn, sempredFuncs, ctor, superClass) ::= <<
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]
[System.CLSCompliant(false)]
public partial class <csIdentifier.(parser.name)> : <superClass; null="Parser"> {
    protected static DFA[] decisionToDFA;
    protected static PredictionContextCache sharedContextCache = new PredictionContextCache();
    <if(parser.tokens)>
    public const int
        <parser.tokens:{k | <k>=<parser.tokens.(k)>}; separator=", ", wrap, anchor>;
    <endif>
    <if(parser.rules)>
    public const int
        <parser.rules:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>;
    <endif>
    public static readonly string[] ruleNames = {
        <parser.ruleNames:{r | "<r>"; separator=", ", wrap, anchor>
    };

    <vocabulary(parser.literalNames, parser.symbolicNames)>

    public override string GrammarFileName { get { return "<parser.grammarFileName>"; } }

    public override string[] RuleNames { get { return ruleNames; } }

    public override string SerializedAtn { get { return new string(_serializedATN); } }

    static <csIdentifier.(parser.name)>() {
        decisionToDFA = new DFA[_ATN.NumberOfDecisions];
        for (int i = 0; i < _ATN.NumberOfDecisions; i++) {
            decisionToDFA[i] = new DFA(_ATN.GetDecisionState(i), i);

```

```

    }
}

<namedActions.members>
<parser:(ctor)()>
<funcs; separator="\n">

<if(sempredFuncs)>
public override bool Sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
    switch (ruleIndex) {
        <parser.sempredFuncs.values:{f}
case <f.ruleIndex>: return <f.name>_sempred((<f.ctxType>)_localctx, predIndex);}; separator="\n">
    }
    return true;
}
<sempredFuncs.values; separator="\n">
<endif>

<atn>
}
>>

vocabulary(literalNames, symbolicNames) ::= <<
private static readonly string[] _LiteralNames = {
    <literalNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
};
private static readonly string[] _SymbolicNames = {
    <symbolicNames:{t | <t>}; null="null", separator=", ", wrap, anchor>
};
public static readonly IVocabulary DefaultVocabulary = new Vocabulary(_LiteralNames, _SymbolicNames);

[NotNull]
public override IVocabulary Vocabulary
{
    get
    {
        return DefaultVocabulary;
    }
}
>>

dumpActions(recog, argFuncs, actionFuncs, sempredFuncs) ::= <<
<if(actionFuncs)>
public override void Action(RuleContext _localctx, int ruleIndex, int actionIndex) {
    switch (ruleIndex) {
        <recog.actionFuncs.values:{f}
case <f.ruleIndex> : <f.name>_action(<if(!recog.modes)><f.ctxType><endif>_localctx, actionIndex); break;};
separator="\n">

```

```

    }
    }
    <actionFuncs.values; separator="\n">
    <endif>
    <if(sempredFuncs)>
    public override bool Sempred(RuleContext _localctx, int ruleIndex, int predIndex) {
    switch (ruleIndex) {
    <recog.sempredFuncs.values: {f|
    case <f.ruleIndex> : return <f.name>_sempred(<if(!recog.modes)><f.ctxType><endif>_localctx, predIndex);};
    separator="\n">
    }
    return true;
    }
    <sempredFuncs.values; separator="\n">
    <endif>
    >>

    parser_ctor(parser) ::= <<
    public <csIdentifier.(parser.name)>(ITokenStream input) : this(input, Console.Out, Console.Error) { }

    public <csIdentifier.(parser.name)>(ITokenStream input, TextWriter output, TextWriter errorOutput)
    : base(input, output, errorOutput)
    {
    Interpreter = new ParserATNSimulator(this, _ATN, decisionToDFA, sharedContextCache);
    }
    >>

    /* This generates a private method since the actionIndex is generated, making an
    * overriding implementation impossible to maintain.
    */
    RuleActionFunction(r, actions) ::= <<
    private void <r.name>_action(<r.ctxType> _localctx, int actionIndex) {
    switch (actionIndex) {
    <actions: {index|
    case <index>: <actions.(index)> break;}; separator="\n">
    }
    }
    >>

    /* This generates a private method since the predIndex is generated, making an
    * overriding implementation impossible to maintain.
    */
    RuleSempredFunction(r, actions) ::= <<
    private bool <r.name>_sempred(<r.ctxType> _localctx, int predIndex) {
    switch (predIndex) {
    <actions: {index|
    case <index>: return <actions.(index)>;}; separator="\n">
    }
    }

```

```

return true;
}
>>

```

```

RuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,namedActions,finallyAction,postamble,exceptions)
::= <<

```

```

<if(ruleCtx)>
<ruleCtx>
<endif>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

```

```

[RuleVersion(<namedActions.version; null="0">)]
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>public <endif><currentRule.ctxType>
<csIdentifier(currentRule.name)><(<args; separator=", ">)> {
  <currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context, State<currentRule.args:{a | ,
<csIdentifier(a.name)>}>>);
  EnterRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>);
  <namedActions.init>
  <locals; separator="\n">
  try {
  <if(currentRule.hasLookaheadBlock)>
    int _alt;
  <endif>
  <code>
  <postamble; separator="\n">
  <namedActions.after>
  }
  <if(exceptions)>
  <exceptions; separator="\n">
  <else>
  catch (RecognitionException re) {
    _localctx.exception = re;
    ErrorHandler.ReportError(this, re);
    ErrorHandler.Recover(this, re);
  }
  <endif>
  finally {
  <finallyAction>
  ExitRule();
  }
  return _localctx;
  }
}
>>

```

```

LeftFactoredRuleFunction(currentRule,args,code,locals,namedActions,finallyAction,postamble) ::=
<<

```

```

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>private <endif><currentRule.ctxType>
<csIdentifier.(currentRule.name)><(args; separator=", "> {
  <currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context, State<currentRule.args:{a | ,
<csIdentifier.(a.name)>>>);
  EnterLeftFactoredRule(_localctx, <currentRule.startState>, RULE_<currentRule.variantOf>);
  <namedActions.init>
  <locals; separator="\n">
  try {
<if(currentRule.hasLookaheadBlock)>
  int _alt;
<endif>
  <code>
  <postamble; separator="\n">
  <namedActions.after>
  }
  catch (RecognitionException re) {
    _localctx.exception = re;
    ErrorHandler.ReportError(this, re);
    ErrorHandler.Recover(this, re);
  }
  finally {
    <finallyAction>
    ExitRule();
  }
  return _localctx;
}
>>

```

```

// This behaves similar to RuleFunction (enterRule is called, and no adjustments
// are made to the parse tree), but since it's still a variant no context class
// needs to be generated.
LeftUnfactoredRuleFunction(currentRule,args,code,locals,namedActions,finallyAction,postamble) ::=
<<

```

```

<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>private <endif><currentRule.ctxType>
<csIdentifier.(currentRule.name)><(args; separator=", "> {
  <currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context, State<currentRule.args:{a | ,
<csIdentifier.(a.name)>>>);
  EnterRule(_localctx, <currentRule.startState>, RULE_<currentRule.variantOf>);
  <namedActions.init>
  <locals; separator="\n">
  try {
<if(currentRule.hasLookaheadBlock)>
  int _alt;
<endif>
  <code>
  <postamble; separator="\n">
  <namedActions.after>

```

```

}
catch (RecognitionException re) {
    _localctx.exception = re;
    ErrorHandler.ReportError(this, re);
    ErrorHandler.Recover(this, re);
}
finally {
    <finallyAction>
    ExitRule();
}
return _localctx;
}
>>

```

```

LeftRecursiveRuleFunction(currentRule,args,code,locals,ruleCtx,altLabelCtxs,
    namedActions,finallyAction,postamble) ::=
<<

```

```

<ruleCtx>
<altLabelCtxs:{l | <altLabelCtxs.(l)>}; separator="\n">

```

```

[RuleVersion(<namedActions.version; null="0">)]
<if(currentRule.modifiers)><currentRule.modifiers:{f | <f> }><else>public <endif><currentRule.ctxType>
<csIdentifier.(currentRule.name)><(args; separator=", "> {
    return <csIdentifier.(currentRule.name)><(0<currentRule.args:{a | , <csIdentifier.(a.name)>}>>);
}

```

```

private <currentRule.ctxType> <csIdentifier.(currentRule.name)><(int _p<args:{a | , <a>}>)> {
    ParserRuleContext _parentctx = Context;
    int _parentState = State;
    <currentRule.ctxType> _localctx = new <currentRule.ctxType>(Context, _parentState<currentRule.args:{a | ,
<csIdentifier.(a.name)>}>>);
    <currentRule.ctxType> _prevctx = _localctx;
    int _startState = <currentRule.startState>;
    EnterRecursionRule(_localctx, <currentRule.startState>, RULE_<currentRule.name>, _p);
    <namedActions.init>
    <locals; separator="\n">
    try {
    <if(currentRule.hasLookaheadBlock)>
        int _alt;
    <endif>
    <code>
    <postamble; separator="\n">
    <namedActions.after>
    }
    catch (RecognitionException re) {
        _localctx.exception = re;
        ErrorHandler.ReportError(this, re);
    }
}

```

```

    ErrorHandler.Recover(this, re);
}
finally {
    <finallyAction>
    UnrollRecursionContexts(_parentctx);
}
return _localctx;
}
>>

```

```

CodeBlockForOuterMostAlt(currentOuterMostAltCodeBlock, locals, preamble, ops) ::= <<
<if(currentOuterMostAltCodeBlock.altLabel)>_localctx = new <currentOuterMostAltCodeBlock.altLabel;
format="cap">Context(_localctx);<endif>
EnterOuterAlt(_localctx, <currentOuterMostAltCodeBlock.alt.altNum>);
<CodeBlockForAlt(currentAltCodeBlock=currentOuterMostAltCodeBlock, ...)>
>>

```

```

CodeBlockForAlt(currentAltCodeBlock, locals, preamble, ops) ::= <<
{
<locals; separator="\n">
<preamble; separator="\n">
<ops; separator="\n">
}
>>

```

```

LL1AltBlock(choice, preamble, alts, error) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
<if(choice.label)><labelref(choice.label)> = TokenStream.LT(1);<endif>
<preamble; separator="\n">
switch (TokenStream.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
<alt>
break;}; separator="\n">
default:
<error>
}
>>

```

```

LL1OptionalBlock(choice, alts, error) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
switch (TokenStream.LA(1)) {
<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
<alt>
break;}; separator="\n">
default:
break;

```

```
}  
>>
```

```
LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<  
State = <choice.stateNumber>;  
ErrorHandler.Sync(this);  
<preamble; separator="\n">  
if (<expr>) {  
  <alts; separator="\n">  
}  
<!else if ( !(<followExpr>) ) <error!>  
>>
```

```
LL1StarBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<  
State = <choice.stateNumber>;  
ErrorHandler.Sync(this);  
<preamble; separator="\n">  
while (<loopExpr>) {  
  <alts; separator="\n">  
  State = <choice.loopBackStateNumber>;  
  ErrorHandler.Sync(this);  
  <iteration>  
}  
>>
```

```
LL1PlusBlockSingleAlt(choice, loopExpr, alts, preamble, iteration) ::= <<  
State = <choice.blockStartStateNumber>;<! alt block decision !>  
ErrorHandler.Sync(this);  
<preamble; separator="\n">  
do {  
  <alts; separator="\n">  
  State = <choice.stateNumber>;<! loopback/exit decision !>  
  ErrorHandler.Sync(this);  
  <iteration>  
} while ( <loopExpr> );  
>>
```

```
// LL(*) stuff
```

```
AltBlock(choice, preamble, alts, error) ::= <<  
State = <choice.stateNumber>;  
ErrorHandler.Sync(this);  
<if(choice.label)><labelref(choice.label)> = TokenStream.LT(1);<endif>  
<preamble; separator="\n">  
switch ( Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context) ) {  
  <alts:{alt |  
  case <i>:  
  <alt>
```



```

break;}; separator="\n">
}
>>

```

```

OptionalBlock(choice, alts, error) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
switch ( Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context) ) {
<alts:{ alt |
case <i><if(!choice.ast.greedy)>+1<endif>:
<alt>
break;}; separator="\n">
}
>>

```

```

StarBlock(choice, alts, sync, iteration) ::= <<
State = <choice.stateNumber>;
ErrorHandler.Sync(this);
_alt = Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context);
while ( _alt!=<choice.exitAlt> && _alt!=global::Antlr4.Runtime.Atn.ATN.INVALID_ALT_NUMBER ) {
if ( _alt==1<if(!choice.ast.greedy)>+1<endif> ) {
<iteration>
<alts> <! should only be one !>
}
State = <choice.loopBackStateNumber>;
ErrorHandler.Sync(this);
_alt = Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context);
}
>>

```

```

PlusBlock(choice, alts, error) ::= <<
State = <choice.blockStartStateNumber>;<! alt block decision !>
ErrorHandler.Sync(this);
_alt = 1<if(!choice.ast.greedy)>+1<endif>;
do {
switch ( _alt ) {
<alts:{ alt |
case <i><if(!choice.ast.greedy)>+1<endif>:
<alt>
break;}; separator="\n">
default:
<error>
}
State = <choice.loopBackStateNumber>;<! loopback/exit decision !>
ErrorHandler.Sync(this);
_alt = Interpreter.AdaptivePredict(TokenStream,<choice.decision>,Context);
} while ( _alt!=<choice.exitAlt> && _alt!=global::Antlr4.Runtime.Atn.ATN.INVALID_ALT_NUMBER );
>>

```

```
Sync(s) ::= "Sync(<s.expecting.name>);"
```

```
ThrowNoViableAlt(t) ::= "throw new NoViableAltException(this);"
```

```
TestSetInline(s) ::= <<
```

```
<s.bitsets:{bits | <if(rest(rest(bits.ttypes))>><bitsetBitfieldComparison(s, bits)><else><bitsetInlineComparison(s,  
bits)><endif>}; separator=" || ">
```

```
>>
```

```
// Java language spec 15.19 - shift operators mask operands rather than overflow to 0... need range test
```

```
testShiftInRange(shiftAmount) ::= <<
```

```
((<shiftAmount>) & ~0x3f) == 0
```

```
>>
```

```
// produces smaller bytecode only when bits.ttypes contains more than two items
```

```
bitsetBitfieldComparison(s, bits) ::= <%
```

```
(<testShiftInRange({<offsetShift(s.varName, bits.shift)>})> && ((1L \<< <offsetShift(s.varName, bits.shift)>) &  
(<bits.ttypes:{ttype | (1L \<< <offsetShift(tokenType.(ttype), bits.shift)>}); separator=" | ">) != 0)
```

```
%>
```

```
isZero ::= [
```

```
"0":true,
```

```
default:false
```

```
]
```

```
offsetShift(shiftAmount, offset) ::= <%
```

```
<if(!isZero.(offset))><shiftAmount> - <offset><else><shiftAmount><endif>
```

```
%>
```

```
// produces more efficient bytecode when bits.ttypes contains at most two items
```

```
bitsetInlineComparison(s, bits) ::= <%
```

```
<bits.ttypes:{ttype | <s.varName>==<tokenType.(ttype)>}; separator=" || ">
```

```
%>
```

```
cases(ttypes) ::= <<
```

```
<ttypes:{t | case <tokenType.(t)>:}; separator="\n">
```

```
>>
```

```
InvokeRule(r, argExprsChunks) ::= <<
```

```
State = <r.stateNumber>;
```

```
<if(r.labels)><r.labels:{l | <labelref(l)> =
```

```
}><endif><csIdentifier.(r.name)><(<if(r.ast.options.p)><r.ast.options.p><if(argExprsChunks)>,<endif><endif><arg  
ExprsChunks>);
```

```
>>
```

```
MatchToken(m) ::= <<
```

```
State = <m.stateNumber>;
```

```

<if(m.labels)><m.labels:{1 | <labelref(l)> = }><endif>Match(<tokenType.(m.name)>);
>>

MatchSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, false)>"

MatchNotSet(m, expr, capture) ::= "<CommonSetStuff(m, expr, capture, true)>"

CommonSetStuff(m, expr, capture, invert) ::= <<
State = <m.stateNumber>;
<if(m.labels)><m.labels:{1 | <labelref(l)> = }>TokenStream.LT(1);<endif>
<capture>
if ( <if(invert)><m.varName> \<= 0 || <else>!<endif>(<expr>) ) {
  <if(m.labels)><m.labels:{1 | <labelref(l)> = }><endif>ErrorHandler.RecoverInline(this);
}
else {
  ErrorHandler.ReportMatch(this);
  Consume();
}
>>

Wildcard(w) ::= <<
State = <w.stateNumber>;
<if(w.labels)><w.labels:{1 | <labelref(l)> = }><endif>MatchWildcard();
>>

// ACTION STUFF

Action(a, foo, chunks) ::= "<chunks>"

ArgAction(a, chunks) ::= "<chunks>"

SemPred(p, chunks, failChunks) ::= <<
State = <p.stateNumber>;
if (!<chunks>)) throw new FailedPredicateException(this, <p.predicate><if(failChunks)>,
<failChunks><elseif(p.msg)>, <p.msg><endif>);
>>

ExceptionClause(e, catchArg, catchAction) ::= <<
catch (<catchArg>) {
  <catchAction>
}
>>

// lexer actions are not associated with model objects

LexerSkipCommand() ::= "Skip();"
LexerMoreCommand() ::= "More();"
LexerPopModeCommand() ::= "PopMode();"

```

```

LexerTypeCommand(arg, grammar) ::= "_type = <tokenType.(arg)>";
LexerChannelCommand(arg, grammar) ::= "_channel = <channelName.(arg)>";
LexerModeCommand(arg, grammar) ::= "_mode = <modeName.(arg)>";
LexerPushModeCommand(arg, grammar) ::= "PushMode(<modeName.(arg)>);"

ActionText(t) ::= "<t.text>"
ActionTemplate(t) ::= "<t.st>"
ArgRef(a) ::= "_localctx.<csIdentifier.(a.name)>"
LocalRef(a) ::= "_localctx.<csIdentifier.(a.name)>"
RetValRef(a) ::= "_localctx.<csIdentifier.(a.name)>"
QRetValRef(a) ::= "<ctx(a)>.<a.dict>.<csIdentifier.(a.name)>"
/** How to translate $tokenLabel */
TokenRef(t) ::= "<ctx(t)>.<csIdentifier.(tokenType.(t.name))>"
LabelRef(t) ::= "<ctx(t)>.<csIdentifier.(t.name)>"
ListLabelRef(t) ::= "<ctx(t)>.<ListLabelName(csIdentifier.(t.name))>"
SetAttr(s,rhsChunks) ::= "<ctx(s)>.<csIdentifier.(s.name)> = <rhsChunks>";

TokenLabelType() ::= "<file.TokenLabelType; null={IToken}>"
InputSymbolType() ::= "<file.InputSymbolType; null={IToken}>"

TokenPropertyRef_text(t) ::= "<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.Text:null)"
TokenPropertyRef_type(t) ::= "<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.Type:0)"
TokenPropertyRef_line(t) ::= "<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.Line:0)"
TokenPropertyRef_pos(t) ::=
"<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.CharPositionInLine:0)"
TokenPropertyRef_channel(t) ::=
"<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.Channel:0)"
TokenPropertyRef_index(t) ::=
"<ctx(t)>.<tokenType.(t.label)>!=null?<ctx(t)>.<tokenType.(t.label)>.TokenIndex:0)"
TokenPropertyRef_int(t) ::=
"<ctx(t)>.<tokenType.(t.label)>!=null?int.Parse(<ctx(t)>.<tokenType.(t.label)>.Text):0)"

RulePropertyRef_start(r) ::= "<ctx(r)>.<r.label>!=null?<ctx(r)>.<r.label>.Start:null)"
RulePropertyRef_stop(r) ::= "<ctx(r)>.<r.label>!=null?<ctx(r)>.<r.label>.Stop:null)"
RulePropertyRef_text(r) ::=
"<ctx(r)>.<r.label>!=null?TokenStream.GetText(<ctx(r)>.<r.label>.Start,<ctx(r)>.<r.label>.Stop):null)"
RulePropertyRef_ctx(r) ::= "<ctx(r)>.<r.label>"
RulePropertyRef_parser(r) ::= "this"

ThisRulePropertyRef_start(r) ::= "_localctx.Start"
ThisRulePropertyRef_stop(r) ::= "_localctx.Stop"
ThisRulePropertyRef_text(r) ::= "TokenStream.GetText(_localctx.Start, TokenStream.LT(-1))"
ThisRulePropertyRef_ctx(r) ::= "_localctx"
ThisRulePropertyRef_parser(r) ::= "this"

NonLocalAttrRef(s) ::= <%((<s.ruleName;
format="cap">Context)GetInvokingContext(<s.ruleIndex>)).<csIdentifier.(s.name)>%>

```

```

SetNonLocalAttr(s, rhsChunks) ::=
<%((<s.ruleName; format="cap">Context)GetInvokingContext(<s.ruleIndex>)).<csIdentifier.(s.name)> =
<rhsChunks>;%>

AddToLabelList(a) ::= "<ctx(a.label)>.<a.listName>.Add(<labelref(a.label)>);"

TokenDecl(t) ::= "<TokenLabelType() <csIdentifier.(tokenType.(t.name))>"
TokenTypeDecl(t) ::= "int <csIdentifier.(tokenType.(t.name))>);"
TokenListDecl(t) ::= "IList<IToken> <csIdentifier.(tokenType.(t.name))> = new List<IToken>()"
RuleContextDecl(r) ::= "<r.ctxName> <csIdentifier.(r.name)>"
RuleContextListDecl(rdecl) ::= "IList<<rdecl.ctxName>> <csIdentifier.(rdecl.name)> = new
List<<rdecl.ctxName>>()"

contextGetterCollection(elementType) ::= <%
<elementType>[]
%>

ContextTokenGetterDecl(t) ::=
"[System.Diagnostics.DebuggerNonUserCode] public ITerminalNode <csIdentifier.(tokenType.(t.name))>() {
return GetToken(<csIdentifier.(parser.name)>.<csIdentifier.(tokenType.(t.name))>, 0); }"
ContextTokenListGetterDecl(t) ::= <<
[System.Diagnostics.DebuggerNonUserCode] public <contextGetterCollection("ITerminalNode")>
<csIdentifier.(tokenType.(t.name))>() { return
GetTokens(<csIdentifier.(parser.name)>.<csIdentifier.(tokenType.(t.name))>); }
>>
ContextTokenListIndexedGetterDecl(t) ::= <<
[System.Diagnostics.DebuggerNonUserCode] public ITerminalNode <csIdentifier.(tokenType.(t.name))>(int i) {
return GetToken(<csIdentifier.(parser.name)>.<csIdentifier.(tokenType.(t.name))>, i);
}
>>
ContextRuleGetterDecl(r) ::= <<
[System.Diagnostics.DebuggerNonUserCode] public <r.ctxName> <csIdentifier.(r.name)>() {
return GetRuleContext<<r.ctxName>>()>(0);
}
>>
ContextRuleListGetterDecl(r) ::= <<
[System.Diagnostics.DebuggerNonUserCode] public <contextGetterCollection({<r.ctxName>})>
<csIdentifier.(r.name)>() {
return GetRuleContexts<<r.ctxName>>()>();
}
>>
ContextRuleListIndexedGetterDecl(r) ::= <<
[System.Diagnostics.DebuggerNonUserCode] public <r.ctxName> <csIdentifier.(r.name)>(int i) {
return GetRuleContext<<r.ctxName>>(i);
}
>>

LexerRuleContext() ::= "RuleContext"

```

```

/** The rule context name is the rule followed by a suffix; e.g.,
 * r becomes rContext.
 */
RuleContextNameSuffix() ::= "Context"

ImplicitTokenLabel(tokenName) ::= "_<tokenType.(tokenName)>"
ImplicitRuleLabel(ruleName) ::= "_<ruleName>"
ImplicitSetLabel(id) ::= "_tset<id>"
ListLabelName(label) ::= "_<label>"

CaptureNextToken(d) ::= "<d.varName> = TokenStream.LT(1);"
CaptureNextTokenType(d) ::= "<d.varName> = TokenStream.LA(1);"

StructDecl(struct,ctorAttrs,attrs, getters,dispatchMethods,interfaces,extensionMembers,
          superClass={ParserRuleContext}) ::= <<
public partial class <struct.name> :
<if(contextSuperClass)><contextSuperClass><else>ParserRuleContext<endif><if(interfaces)>, <interfaces>
separator=", "><endif> {
<attrs:{a | public <a>;}; separator="\n">
<getters:{g | <g>;}; separator="\n">
<if(ctorAttrs)>public <struct.name>(ParserRuleContext parent, int invokingState) : base(parent, invokingState) {
}<endif>
public <struct.name>(ParserRuleContext parent, int invokingState<ctorAttrs:{a | , <a>>)>
: base(parent, invokingState)
{
<struct.ctorAttrs:{a | this.<csIdentifier.(a.name)> = <csIdentifier.(a.name)>;}; separator="\n">
}
public override int RuleIndex { get { return RULE_<struct.derivedFromName>; } }
<if(struct.provideCopyFrom)><! don't need copy unless we have subclasses !>
public <struct.name>() { }
public virtual void CopyFrom(<struct.name> context) {
base.CopyFrom(context);
<struct.attrs:{a | this.<csIdentifier.(a.name)> = context.<csIdentifier.(a.name)>;}; separator="\n">
}
<endif>
<dispatchMethods; separator="\n">
<extensionMembers; separator="\n">
}
>>

AltLabelStructDecl(struct,attrs, getters,dispatchMethods) ::= <<
public partial class <struct.name> : <currentRule.name; format="cap">Context {
<attrs:{a | public <a>;}; separator="\n">
<getters:{g | <g>;}; separator="\n">
public <struct.name>(<currentRule.name; format="cap">Context context) { CopyFrom(context); }
<dispatchMethods; separator="\n">
}

```

>>

```
ListenerDispatchMethod(method) ::= <<
[System.Diagnostics.DebuggerNonUserCode]
public override void <if(method.isEnter)>Enter<else>Exit<endif>Rule(IParseTreeListener listener) {
    I<parser.grammarName>Listener typedListener = listener as I<parser.grammarName>Listener;
    if (typedListener != null) typedListener.<if(method.isEnter)>Enter<else>Exit<endif><struct.derivedFromName;
format="cap">(this);
}
>>
```

```
VisitorDispatchMethod(method) ::= <<
[System.Diagnostics.DebuggerNonUserCode]
public override TResult Accept<TResult>(IParseTreeVisitor<TResult> visitor) {
    I<parser.grammarName>Visitor<TResult> typedVisitor = visitor as I<parser.grammarName>Visitor<TResult>;
    if (typedVisitor != null) return typedVisitor.Visit<struct.derivedFromName; format="cap">(this);
    else return visitor.VisitChildren(this);
}
>>
```

```
AttributeDecl(d) ::= "<d.type> <csIdentifier.(d.name)><if(d.initValue)> = <d.initValue><endif>"
```

```
/** If we don't know location of label def x, use this template */
```

```
labelref(x) ::= "<if(!x.isLocal)><typedContext(x.ctx)>.<endif><csIdentifier.(x.name)>"
```

```
/** For any action chunk, what is correctly-typed context struct ptr? */
```

```
ctx(actionChunk) ::= "<typedContext(actionChunk.ctx)>"
```

```
// only casts _localctx to the type when the cast isn't redundant (i.e. to a sub-context for a labeled alt)
typedContext(ctx) ::= "<if(ctx.provideCopyFrom)>((<ctx.name>)_localctx)<else>_localctx<endif>"
```

```
// used for left-recursive rules
```

```
recRuleAltPredicate(ruleName,opPrec) ::= "Precpred(Context, <opPrec>)"
```

```
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>";
```

```
recRuleSetStopToken() ::= "Context.Stop = TokenStream.LT(-1);"
```

```
recRuleAltStartAction(ruleName, ctxName, label, isListLabel) ::= <<
    _localctx = new <ctxName>Context(_parentctx, _parentState);
    <if(label)>
    <if(isListLabel)>
    _localctx.<label>.Add(_prevctx);
    <else>
    _localctx.<label> = _prevctx;
    <endif>
    <endif>
    PushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
>>
```

```

recRuleLabeledAltStartAction(ruleName, currentAltLabel, label, isListLabel) ::= <<
  _localctx = new <currentAltLabel; format="cap">Context(new <ruleName; format="cap">Context(_parentctx,
  _parentState));
  <if(label)>
  <if(isListLabel)>
  ((<currentAltLabel; format="cap">Context)_localctx).<label>.Add(_prevctx);
  <else>
  ((<currentAltLabel; format="cap">Context)_localctx).<label> = _prevctx;
  <endif>
  <endif>
  PushNewRecursionContext(_localctx, _startState, RULE_<ruleName>);
  >>

```

```

recRuleReplaceContext(ctxName) ::= <<
  _localctx = new <ctxName>Context(_localctx);
  Context = _localctx;
  _prevctx = _localctx;
  >>

```

```

recRuleSetPrevCtx() ::= <<
  if ( ParseListeners!=null )
    TriggerExitRuleEvent();
  _prevctx = _localctx;
  >>

```

```

LexerFile(file, lexer, namedActions) ::= <<
  <fileHeader(file.grammarFileName, file.ANTLRVersion)>
  <if(file.genPackage)>
  namespace <file.genPackage> {
  <endif>
  <namedActions.header>
  using System;
  using System.IO;
  using System.Text;
  using Antlr4.Runtime;
  using Antlr4.Runtime.Atn;
  using Antlr4.Runtime.Misc;
  using DFA = Antlr4.Runtime.Dfa.DFA;

  <lexer>
  <if(file.genPackage)>
  } // namespace <file.genPackage>
  <endif>
  >>

```

```

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
  [System.CodeDom.Compiler.GeneratedCode("ANTLR", "<file.ANTLRVersion>")]

```



```

[System.CLSCompliant(false)]
public partial class <csIdentifier.(lexer.name)> : <superClass; null="Lexer"> {
    protected static DFA[] decisionToDFA;
    protected static PredictionContextCache sharedContextCache = new PredictionContextCache();
    <if(lexer.tokens)>
    public const int
        <lexer.tokens:{k | <tokenType.(k)>=<lexer.tokens.(k)>}; separator=", ", wrap, anchor>;
    <endif>
    <if(lexer.channels)>
    public const int
        <lexer.channels:{k | <csIdentifier.(k)>=<lexer.channels.(k)>}; separator=", ", wrap, anchor>;
    <endif>
    <if(rest(lexer.modes)>
    public const int
        <rest(lexer.modes){m | <m>=<i>}; separator=", ", wrap, anchor>;
    <endif>
    public static string[] channelNames = {
        "DEFAULT_TOKEN_CHANNEL", "HIDDEN" <if (lexer.channels)>, <lexer.channels:{c | "<c">}; separator=", ",
wrap, anchor><endif>
    };

    public static string[] modeNames = {
        <lexer.modes:{m | "<m">}; separator=", ", wrap, anchor>
    };

    public static readonly string[] ruleNames = {
        <lexer.ruleNames:{r | "<r">}; separator=", ", wrap, anchor>
    };

    <namedActions.members>

    public <csIdentifier.(lexer.name)>(ICharStream input)
        : this(input, Console.Out, Console.Error) { }

    public <csIdentifier.(lexer.name)>(ICharStream input, TextWriter output, TextWriter errorOutput)
        : base(input, output, errorOutput)
    {
        Interpreter = new LexerATNSimulator(this, _ATN, decisionToDFA, sharedContextCache);
    }

    <vocabulary(lexer.literalNames, lexer.symbolicNames)>

    public override string GrammarFileName { get { return "<lexer.grammarFileName>"; } }

    public override string[] RuleNames { get { return ruleNames; } }

    public override string[] ChannelNames { get { return channelNames; } }

```

```

public override string[] ModeNames { get { return modeNames; } }

public override string SerializedAtn { get { return new string(_serializedATN); } }

static <csIdentifier.(lexer.name)>() {
    decisionToDFA = new DFA[_ATN.NumberOfDecisions];
    for (int i = 0; i < _ATN.NumberOfDecisions; i++) {
        decisionToDFA[i] = new DFA(_ATN.GetDecisionState(i), i);
    }
}
<dumpActions(lexer, "", actionFuncs, sempredFuncs)>
<atn>
}
>>

```

```

SerializedATN(model) ::= <<
private static char[] _serializedATN = {
    <model.serialized; separator=", ", wrap>,
};

public static readonly ATN _ATN =
    new ATNDeserializer().Deserialize(_serializedATN);

```

```
>>
```

```

initValue(typeName) ::= <<
default(<typeName>)
>>

```

```
codeFileExtension() ::= ".cs"
```

```

modeName ::= [
    "DEFAULT_MODE" : "DefaultMode",
    default : key
]

```

```

channelName ::= [
    "HIDDEN" : "Hidden",
    "DEFAULT_TOKEN_CHANNEL" : "DefaultTokenChannel",
    default : key
]

```

```

tokenType ::= [
    "EOF" : "Eof",
    default : key
]

```

```
csIdentifier ::= [  
  "abstract" : "@abstract",  
  "as" : "@as",  
  "base" : "@base",  
  "bool" : "@bool",  
  "break" : "@break",  
  "byte" : "@byte",  
  "case" : "@case",  
  "catch" : "@catch",  
  "char" : "@char",  
  "checked" : "@checked",  
  "class" : "@class",  
  "const" : "@const",  
  "continue" : "@continue",  
  "decimal" : "@decimal",  
  "default" : "@default",  
  "delegate" : "@delegate",  
  "do" : "@do",  
  "double" : "@double",  
  "else" : "@else",  
  "enum" : "@enum",  
  "event" : "@event",  
  "explicit" : "@explicit",  
  "extern" : "@extern",  
  "false" : "@false",  
  "finally" : "@finally",  
  "fixed" : "@fixed",  
  "float" : "@float",  
  "for" : "@for",  
  "foreach" : "@foreach",  
  "goto" : "@goto",  
  "if" : "@if",  
  "implicit" : "@implicit",  
  "in" : "@in",  
  "int" : "@int",  
  "interface" : "@interface",  
  "internal" : "@internal",  
  "is" : "@is",  
  "lock" : "@lock",  
  "long" : "@long",  
  "namespace" : "@namespace",  
  "new" : "@new",  
  "null" : "@null",  
  "object" : "@object",  
  "operator" : "@operator",  
  "out" : "@out",  
  "override" : "@override",
```

```
"params" : "@params",
"private" : "@private",
"protected" : "@protected",
"public" : "@public",
"readonly" : "@readonly",
"ref" : "@ref",
"return" : "@return",
"sbyte" : "@sbyte",
"sealed" : "@sealed",
"short" : "@short",
"sizeof" : "@sizeof",
"stackalloc" : "@stackalloc",
"static" : "@static",
"string" : "@string",
"struct" : "@struct",
"switch" : "@switch",
"this" : "@this",
"throw" : "@throw",
>true" : "@true",
"try" : "@try",
"typeof" : "@typeof",
"uint" : "@uint",
"ulong" : "@ulong",
"unchecked" : "@unchecked",
"unsafe" : "@unsafe",
"ushort" : "@ushort",
"using" : "@using",
"virtual" : "@virtual",
"values" : "@values",
"void" : "@void",
"volatile" : "@volatile",
"while" : "@while",
default : key
]
```

Found in path(s):

```
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-
jar/org/antlr/v4/tool/templates/codegen/CSharp/CSharp.stg
```

No license file was found, but licenses were detected in source scan.

```
/*
```

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* [The "BSD license"]
```

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* Copyright (c) 2012-2016 Terence Parr
```

```
* Copyright (c) 2012-2016 Sam Harwell
```

```
* All rights reserved.
```

```
*
```

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 */

```
// File   : A3Lexer.g
// Author  : Jim Idle (jimi@temporal-wave.com)
// Copyright : Free BSD - See @header clause below
// Version  : First implemented as part of ANTLR 3.2 this is the self
//           hosting ANTLR 3 Lexer.
//
// Description
// -----
// This is the definitive lexer grammar for parsing ANTLR V3.x.x grammars. All other
// grammars are derived from this grammar via source code control integration (perforce)
// or by the gdiff tool.
//
// This grammar and its associated grmmars A3Parser.g and A3Walker.g exhibit the following
// traits, which are recommended for all production quality grammars:
//
// 1) They are separate grammars, not composite grammars;
// 2) They implement all supporting methods in a superclass (at least this is recommended
//    for language targets that support inheritance;
// 3) All errors are pushed as far down the parsing chain as possible, which means
//    that the lexer tries to defer error reporting to the parser, and the parser
//    tries to defer error reporting to a semantic phase consisting of a single
//    walk of the AST. The reason for this is that the error messages produced
//    from later phases of the parse will generally have better context and so
//    be more useful to the end user. Consider the message: "Syntax error at 'options'"
//    vs: "You cannot specify two options{ } sections in a single grammar file".
// 4) The lexer is 'programmed' to catch common mistakes such as unterminated literals
```

```

// and report them specifically and not just issue confusing lexer mismatch errors.
//

/** Read in an ANTLR grammar and build an AST. Try not to do
 * any actions, just build the tree.
 *
 * The phases are:
 *
 * A3Lexer.g (this file)
 *     A3Parser.g
 *     A3Verify.g (derived from A3Walker.g)
 * assign.types.g
 * define.g
 * buildnfa.g
 * antlr.print.g (optional)
 * codegen.g
 *
 * Terence Parr
 * University of San Francisco
 * 2005
 * Jim Idle (this v3 grammar)
 * Temporal Wave LLC
 * 2009
 */
lexer grammar ANTLRLexer;

// =====
// Note that while this grammar does not care about order of constructs
// that don't really matter, such as options before @header etc, it must first
// be parsed by the original v2 parser, before it replaces it. That parser does
// care about order of structures. Hence we are constrained by the v2 parser
// for at least the first bootstrap release that causes this parser to replace
// the v2 version.
// =====

// -----
// Options
//
// V3 option directives to tell the tool what we are asking of it for this
// grammar.
//
options {

// Target language is Java, which is the default but being specific
// here as this grammar is also meant as a good example grammar for
// for users.
//
language = Java;

```

```

// The super class that this lexer should expect to inherit from, and
// which contains any and all support routines for the lexer. This is
// commented out in this baseline (definitive or normative grammar)
// - see the ANTLR tool implementation for hints on how to use the super
// class
//
//superclass = AbstractA3Lexer;
}

tokens { SEMPRED; TOKEN_REF; RULE_REF; LEXER_CHAR_SET; ARG_ACTION; }

```

```

// Include the copyright in this source and also the generated source
//
@lexer::header {
/*
[The "BSD licence"]
Copyright (c) 2005-2009 Terence Parr
All rights reserved.

```

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```

*/
package org.antlr.v4.parse;
import org.antlr.v4.tool.*;
import org.antlr.v4.runtime.misc.Interval;
}

```

```

@members {
public static final int COMMENTS_CHANNEL = 2;

    public CommonTokenStream tokens; // track stream we push to; need for context info
    public boolean isLexerRule = false;

public void grammarError(ErrorType etype, org.antlr.runtime.Token token, Object... args) { }

/** scan backwards from current point in this.tokens list
 * looking for the start of the rule or subrule.
 * Return token or null if for some reason we can't find the start.
 */
public Token getRuleOrSubruleStartToken() {
    if ( tokens==null ) return null;
    int i = tokens.index();
    int n = tokens.size();
    if ( i>=n ) i = n-1; // seems index == n as we lex
    while ( i>=0 && i<n ) {
        int ttype = tokens.get(i).getType();
        if ( ttype == LPAREN || ttype == TOKEN_REF || ttype == RULE_REF ) {
            return tokens.get(i);
        }
        i--;
    }
    return null;
}

// -----
// Comments
//
// ANTLR comments can be multi or single line and we don't care
// which particularly. However we also accept Javadoc style comments
// of the form: /** ... */ and we do take care to distinguish those
// from ordinary multi-line comments
// Note how we guide the lexical PATH because we want to issue a decriptive
// error message in case of a standalone '/' character, which makes no
// sense in ANTLR source code. We also trap unterminated multi-line comments
//
fragment DOC_COMMENT : ;
COMMENT
@init {

    // Record the start line and offsets as if we need to report an
    // unterminated comment, then we want to show the start of the comment
    // we think is broken, not the end, where people will have to try and work
    // it out themselves.
    //

```



```

int startLine = $line;
int offset = getCharPositionInLine();
}
: // Eat the first character only, then see if we have a comment
  // or something silly.
  //
  '/' // Comment introducer

(
  // Single line comment, possibly with embedded src/line directives
  // in a similar style to the C pre-processor, allowing generated
  // code to refer the programmer back to the original source code
  // in case of error.
  //
  '/'
  (
    (' $ANTLR')=> ' $ANTLR' SRC
    | ~(NLCHARS)*
  )

| // Multi-line comment, which may be a documentation comment
  // if it starts /** (note that we protect against accidentally
  // recognizing a comment /**/ as a documentation comment
  //
  /** (
    { input.LA(2) != '/' }?=> '*' { $type = DOC_COMMENT; }
    | { true }?=> // Required to cover all alts with predicates
  )

  // Should we support embedded multiline comments here?
  //
  (
    // Pick out end of multiline comment and exit the loop
    // if we find it.
    //
    { !(input.LA(1) == '*' && input.LA(2) == '/') }?

    // Anything else other than the non-greedy match of
    // the comment close sequence
    //
    .
  )*
  (
    // Look for the comment terminator, but if it is accidentally
    // unterminated, then we will hit EOF, which will trigger the
    // epsilon alt and hence we can issue an error message relative
    // to the start of the unterminated multi-line comment
    //

```

```

        */'

        |// Unterminated comment!
        //
        {
            // ErrorManager.msg(Msg.UNTERMINATED_DOC_COMMENT, startLine, offset, $pos, startLine,
offset, $pos, (Object)null);
        }
    )

    |// There was nothing that made sense following the opening '/' and so
    // we issue an error regarding the malformed comment
    //
    {
        // TODO: Insert error message relative to comment start
        //
    }
)
{
    // We do not wish to pass the comments in to the parser. If you are
    // writing a formatter then you will want to preserve the comments off
    // channel, but could just skip and save token space if not.
    //
    $channel=COMMENTS_CHANNEL;
}
;

```

ARG_OR_CHARSET

```

options {k=1;}
: {!isLexerRule}?=> LEXER_CHAR_SET {$type=LEXER_CHAR_SET;}
| {!isLexerRule}?=> ARG_ACTION
{
    $type=ARG_ACTION;
    // Set the token text to our gathered string minus outer [ ]
    String t = $text;
    t = t.substring(1,t.length()-1);
    setText(t);
}
;

```

fragment

LEXER_CHAR_SET

```

: '['
  ('\\ ~(\'r\'\'n\')
  | ~(\'r\'\'n\'\'\'\'')
  )*
']'
;

```

```

// -----
// Argument specs
//
// Certain argument lists, such as those specifying call parameters
// to a rule invocation, or input parameters to a rule specification
// are contained within square brackets. In the lexer we consume them
// all at once and sort them out later in the grammar analysis.
//
fragment
ARG_ACTION
: '['
  (
    ARG_ACTION

    | ("")=>ACTION_STRING_LITERAL

    | ("\")=>ACTION_CHAR_LITERAL

    | ~('[\']')
  )*
  ']'
;

// -----
// Actions
//
// Other than making sure to distinguish between { and } embedded
// within what we have assumed to be literals in the action code, the
// job of the lexer is merely to gather the code within the action
// (delimited by {}) and pass it to the parser as a single token.
// We know that this token will be asked for its text somewhere
// in the upcoming parse, so setting the text here to exclude
// the delimiting {} is no additional overhead.
//
ACTION
: NESTED_ACTION
( '?' { $type = SEMPRED; }
( (WSNLCHARS* '=>') => WSNLCHARS* '=>' // v3 gated sempred
{
Token t = new CommonToken(input, state.type, state.channel, state.tokenStartCharIndex, getCharIndex()-1);
t.setLine(state.tokenStartLine);
t.setText(state.text);
t.setCharPositionInLine(state.tokenStartCharPositionInLine);
grammarError(ErrorType.V3_GATED_SEMPRED, t);
}
)?

```

```

)?
;

// -----
// Action structure
//
// Many language targets use {} as block delimiters and so we
// must recursively match {} delimited blocks to balance the
// braces. Additionally, we must make some assumptions about
// literal string representation in the target language. We assume
// that they are delimited by ' or " and so consume these
// in their own alts so as not to inadvertently match {}.
// This rule calls itself on matching a {
//
fragment
NESTED_ACTION
@init {

// Record the start line and offsets as if we need to report an
// unterminated block, then we want to show the start of the comment
// we think is broken, not the end, where people will have to try and work
// it out themselves.
//
int startLine = getLine();
int offset = getCharPositionInLine();
}

: // Action and other blocks start with opening {
//
'{'
(
// And now we can match one of a number of embedded
// elements within the action until we find a
// } that balances the opening {. If we do not find
// the balanced } then we will hit EOF and can issue
// an error message about the brace that we believe to
// be mismatched. This won't be foolproof but we will
// be able to at least report an error against the
// opening brace that we feel is in error and this will
// guide the user to the correction as best we can.
//
// An embedded {} block
//
NESTED_ACTION

| // What appears to be a literal

```

```

//
ACTION_CHAR_LITERAL

|// We have assumed that the target language has C/Java
// type comments.
//
COMMENT

|// What appears to be a literal
//
ACTION_STRING_LITERAL

|// What appears to be an escape sequence
//
ACTION_ESC

|// Some other single character that is not
// handled above
//
~(\\|'|\"|/|'{|'})

)*

(
// Correctly balanced closing brace
//
}'

|// Looks like have an imbalanced { } block, report
// with respect to the opening brace.
//
{
// TODO: Report imbalanced { }
System.out.println("Block starting at line " + startLine + " offset " + (offset+1) + " contains imbalanced { } or
is missing a }");
}
)
;

// Keywords
// -----
// keywords used to specify ANTLR v3 grammars. Keywords may not be used as
// labels for rules or in any other context where they would be ambiguous
// with the keyword vs some other identifier
// OPTIONS, TOKENS, and CHANNELS must also consume the opening brace that captures
// their option block, as this is the easiest way to parse it separate
// to an ACTION block, despite it using the same { } delimiters.

```

```

//
OPTIONS   : 'options' WSNLCHARS* '{' ;
TOKENS_SPEC : 'tokens' WSNLCHARS* '{' ;
CHANNELS   : 'channels' WSNLCHARS* '{' ;

IMPORT    : 'import'      ;
FRAGMENT  : 'fragment'   ;
LEXER     : 'lexer'      ;
PARSER    : 'parser'     ;
GRAMMAR   : 'grammar'    ;
TREE_GRAMMAR : 'tree' WSNLCHARS* 'grammar' ;
PROTECTED : 'protected'  ;
PUBLIC    : 'public'     ;
PRIVATE   : 'private'    ;
RETURNS   : 'returns'    ;
LOCALS    : 'locals'     ;
THROWS    : 'throws'     ;
CATCH     : 'catch'      ;
FINALLY   : 'finally'    ;
MODE      : 'mode'       ;

// -----
// Punctuation
//
// Character sequences used as separators, delimiters, operators, etc
//
COLON     : ':'
    {
        // scan backwards, looking for a RULE_REF or TOKEN_REF.
        // which would indicate the start of a rule definition.
        // If we see a LPAREN, then it's the start of the subrule.
        // this.tokens is the token string we are pushing into, so
        // just loop backwards looking for a rule definition. Then
        // we set isLexerRule.
        Token t = getRuleOrSubruleStartToken();
        if ( t!=null ) {
            if ( t.getType()==RULE_REF ) isLexerRule = false;
            else if ( t.getType()==TOKEN_REF ) isLexerRule = true;
            // else must be subrule; don't alter context
        }
    }
;
COLONCOLON : '::'      ;
COMMA     : ','       ;
SEMI      : ';'       ;
LPAREN    : '('       ;
RPAREN    : ')'       ;
RARROW    : '->'     ;

```

```

LT      : '<'      ;
GT      : '>'      ;
ASSIGN  : '='      ;
QUESTION : '?'      ;
SYNPRED : '=>'    ;
    {
        Token t = new CommonToken(input, state.type, state.channel,
            state.tokenStartCharIndex, getCharIndex()-1);
        t.setLine(state.tokenStartLine);
        t.setText(state.text);
        t.setCharPositionInLine(state.tokenStartCharPositionInLine);
        grammarError(ErrorType.V3_SYNPRED, t);
        $channel=HIDDEN;
    }
    ;
STAR    : '*'      ;
PLUS    : '+'      ;
PLUS_ASSIGN : '+='  ;
OR      : '|'      ;
DOLLAR  : '$'      ;
DOT     : '.'      ; // can be WILDCARD or DOT in qid or imported rule ref
RANGE   : '..'     ;
AT      : '@'      ;
POUND   : '#'      ;
NOT     : '~'      ;
RBRACE  : '}'      ;

/** Allow unicode rule/token names */
ID : a=NameStartChar NameChar*
    {
        if ( Grammar.isTokenName($a.text) ) $type = TOKEN_REF;
        else $type = RULE_REF;
    }
    ;

fragment
NameChar : NameStartChar
    | '0'..'9'
    | '_'
    | '\u00B7'
    | '\u0300'..' \u036F'
    | '\u203F'..' \u2040'
    ;

fragment
NameStartChar
    : 'A'..'Z' | 'a'..'z'
    | '\u00C0'..' \u00D6'

```

```

| '\u00D8'..\u00F6'
| '\u00F8'..\u02FF'
| '\u0370'..\u037D'
| '\u037F'..\u1FFF'
| '\u200C'..\u200D'
| '\u2070'..\u218F'
| '\u2C00'..\u2FEF'
| '\u3001'..\uD7FF'
| '\uF900'..\uFDCF'
| '\uFDF0'..\uFEFE'
| '\uFF00'..\uFFFD'
; // ignores | [\u10000-\uEFFFF] ;

```

```
// -----
```

```
// Literals embedded in actions
```

```
//
```

```
// Note that we have made the assumption that the language used within
```

```
// actions uses the fairly standard " and ' delimiters for literals and
```

```
// that within these literals, characters are escaped using the \ character.
```

```
// There are some languages which do not conform to this in all cases, such
```

```
// as by using /string/ and so on. We will have to deal with such cases if
```

```
// if they come up in targets.
```

```
//
```

```
// Within actions, or other structures that are not part of the ANTLR
```

```
// syntax, we may encounter literal characters. Within these, we do
```

```
// not want to inadvertently match things like '}' and so we eat them
```

```
// specifically. While this rule is called CHAR it allows for the fact that
```

```
// some languages may use/allow ' as the string delimiter.
```

```
//
```

```
fragment
```

```
ACTION_CHAR_LITERAL
```

```
: "\"" ((\\)=>ACTION_ESC | ~"")* "\"
```

```
;
```

```
// Within actions, or other structures that are not part of the ANTLR
```

```
// syntax, we may encounter literal strings. Within these, we do
```

```
// not want to inadvertently match things like '}' and so we eat them
```

```
// specifically.
```

```
//
```

```
fragment
```

```
ACTION_STRING_LITERAL
```

```
: "\"" ((\\)=>ACTION_ESC | ~"")* "\""
```

```
;
```

```
// Within literal strings and characters that are not part of the ANTLR
```

```
// syntax, we must allow for escaped character sequences so that we do not
```

```
// inadvertently recognize the end of a string or character when the terminating
```



```

// delimiter has been escaped.
//
fragment
ACTION_ESC
: '\\' .
;

// -----
// Integer
//
// Obviously (I hope) match an arbitrary long sequence of digits.
//
INT : ('0'..'9')+
;

// -----
// Source spec
//
// A fragment rule for picking up information about an originating
// file from which the grammar we are parsing has been generated. This allows
// ANTLR to report errors against the originating file and not the generated
// file.
//
fragment
SRC : 'src' WSCHARS+ file=ACTION_STRING_LITERAL WSCHARS+ line=INT
{
    // TODO: Add target specific code to change the source file name and current line number
}
;

// -----
// Literal string
//
// ANTLR makes no distinction between a single character literal and a
// multi-character string. All literals are single quote delimited and
// may contain unicode escape sequences of the form \uxxxx or \u{xxxxxx},
// where x is a valid hexadecimal number.
STRING_LITERAL
: '\" ( ( ESC_SEQ | ~(\"|\"'|\"r'|\"n') ) ) *
( '\"
| // Unterminated string literal
{
    Token t = new CommonToken(input, state.type, state.channel, state.tokenStartCharIndex, getCharIndex()-1);
    t.setLine(state.tokenStartLine);
    t.setText(state.text);
    t.setCharacterPositionInLine(state.tokenStartCharPositionInLine);
    grammarError(ErrorType.UNTERMINATED_STRING_LITERAL, t);
}

```

```

    }
  )
;

// A valid hex digit specification
//
fragment
HEX_DIGIT : ('0'..'9'|'a'..'f'|'A'..'F') ;

// Any kind of escaped character that we can embed within ANTLR
// literal strings.
//
fragment
ESC_SEQ
: '\\'
(
  // The standard escaped character set such as tab, newline, etc...
  'b'|'t'|'n'|'f'|'r'|'\'|'\"'

  // A Java style Unicode escape sequence
  UNICODE_ESC

  // A Swift/Hack style Unicode escape sequence
  UNICODE_EXTENDED_ESC

  // An illegal escape sequence
  ~( 'b'|'t'|'n'|'f'|'r'|'\'|'\"|'\\'|'u' ) // \x for any invalid x (make sure to match char here)
  {
    Token t = new CommonToken(input, state.type, state.channel, getCharIndex()-2, getCharIndex()-1);
    t.setText(t.getText());
    t.setLine(input.getLine());
    t.setCharPositionInLine(input.getCharPositionInLine()-2);
    grammarError(ErrorType.INVALID_ESCAPE_SEQUENCE, t, input.substring(getCharIndex()-
2,getCharIndex()-1));
  }
)
;

fragment
UNICODE_ESC
@init {

// Flag to tell us whether we have a valid number of
// hex digits in the escape sequence
//
int hCount = 0;
}
: 'u' // Leadin for unicode escape sequence

```

```

// We now require 4 hex digits. Note though
// that we accept any number of characters
// and issue an error if we do not get 4. We cannot
// use an infinite count such as + because this
// might consume too many, so we lay out the lexical
// options and issue an error at the invalid paths.
//
(
(
  HEX_DIGIT { hCount++; }
  (
    HEX_DIGIT { hCount++; }
    (
      HEX_DIGIT { hCount++; }
      (
        // Four valid hex digits, we are good
        //
        HEX_DIGIT { hCount++; }

        | // Three valid digits
      )

      | // Two valid digits
    )

    | // One valid digit
  )
)
| // No valid hex digits at all
)

// Now check the digit count and issue an error if we need to
//
{
  if (hCount < 4) {
    Interval badRange = Interval.of(getCharIndex()-2-hCount, getCharIndex());
    String lastChar = input.substring(badRange.b, badRange.b);
    if ( lastChar.codePointAt(0)!='\'' ) {
      badRange.b--;
    }
    String bad = input.substring(badRange.a, badRange.b);
    Token t = new CommonToken(input, state.type, state.channel, badRange.a, badRange.b);
    t.setLine(input.getLine());
    t.setCharPositionInLine(input.getCharPositionInLine()-hCount-2);
    grammarError(ErrorType.INVALID_ESCAPE_SEQUENCE, t, bad);
  }
}

```

```

;

fragment
UNICODE_EXTENDED_ESC
: 'u{' // Leadin for unicode extended escape sequence

    HEX_DIGIT+ // One or more hexadecimal digits

    '}' // Leadout for unicode extended escape sequence

// Now check the digit count and issue an error if we need to
{
    int numDigits = getCharIndex()-state.tokenStartCharIndex-6;
    if (numDigits > 6) {
        Token t = new CommonToken(input, state.type, state.channel, state.tokenStartCharIndex, getCharIndex()-
1);
        t.setText(t.getText());
        t.setLine(input.getLine());
        t.setCharPositionInLine(input.getCharPositionInLine()-numDigits);
        grammarError(ErrorType.INVALID_ESCAPE_SEQUENCE, t,
input.substring(state.tokenStartCharIndex,getCharIndex()-1));
    }
}
;

// -----
// Whitespace
//
// Characters and character constructs that are of no import
// to the parser and are used to make the grammar easier to read
// for humans.
//
WS
: (
    '\t'
    |\r'
    |\n'
    |\f'
)+
{$channel=HIDDEN;}
;

// A fragment rule for use in recognizing end of line in
// rules like COMMENT.
//
fragment
NLCHARS

```

```

: '\n' | '\r'
;

// A fragment rule for recognizing traditional whitespace
// characters within lexer rules.
//
fragment
WSCHARS
: ' ' | '\t' | '\f'
;

// A fragment rule for recognizing both traditional whitespace and
// end of line markers, when we don't care to distinguish but don't
// want any action code going on.
//
fragment
WSNLCHARS
: ' ' | '\t' | '\f' | '\n' | '\r'
;

// This rule allows ANTLR 4 to parse grammars using the UTF-8 encoding with a
// byte order mark. Since this Unicode character doesn't appear as a token
// anywhere else in the grammar, we can simply skip all instances of it without
// problem. This rule will not break usage of \uFEFF inside a LEXER_CHAR_SET or
// STRING_LITERAL.
UnicodeBOM
: '\uFEFF' {skip();}
;

// -----
// Illegal Character
//
// This is an illegal character trap which is always the last rule in the
// lexer specification. It matches a single character of any value and being
// the last rule in the file will match when no other rule knows what to do
// about the character. It is reported as an error but is not passed on to the
// parser. This means that the parser to deal with the grammar file anyway
// but we will not try to analyse or code generate from a file with lexical
// errors.
//
ERRCHAR
: .
{
    Token t = new CommonToken(input, state.type, state.channel, state.tokenStartCharIndex, getCharIndex()-1);
    t.setLine(state.tokenStartLine);
    t.setText(state.text);
    t.setCharPositionInLine(state.tokenStartCharPositionInLine);
    String msg = getTokenErrorDisplay(t) + " came as a complete surprise to me";
}

```

```
        grammarError(ErrorType.SYNTAX_ERROR, t, msg);
        state.syntaxErrors++;
        skip();
    }
;

```

Found in path(s):

* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/parse/ANTLRLexer.g
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```
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 */

```

```
lexer grammar ActionSplitter;
```

```
options { filter=true; }
```

```
@header {
package org.antlr.v4.parse;
import org.antlr.v4.tool.*;
import org.antlr.v4.tool.ast.*;

```

```

}

@members {
ActionSplitterListener delegate;

public ActionSplitter(CharStream input, ActionSplitterListener delegate) {
    this(input, new RecognizerSharedState());
    this.delegate = delegate;
}

/** force filtering (and return tokens). triggers all above actions. */
public List<Token> getActionTokens() {
    List<Token> chunks = new ArrayList<Token>();
    Token t = nextToken();
    while ( t.getType()!=Token.EOF ) {
        chunks.add(t);
        t = nextToken();
    }
    return chunks;
}

private boolean isIDStartChar(int c) {
    return c == '_' || Character.isLetter(c);
}
}

// ignore comments right away

COMMENT
: '/' ( options {greedy=false;} : . )* '*' {delegate.text($text);}
;

LINE_COMMENT
: '/' ~('\n'|\r)* '\r'? '\n' {delegate.text($text);}
;

SET_NONLOCAL_ATTR
: '$' x=ID ':' y=ID WS? '=' expr=ATTR_VALUE_EXPR ';'
{
    delegate.setNonLocalAttr($text, $x, $y, $expr);
}
;

NONLOCAL_ATTR
: '$' x=ID ':' y=ID {delegate.nonLocalAttr($text, $x, $y);}
;

QUALIFIED_ATTR

```

```
: '$' x=ID '!' y=ID {input.LA(1)!='(')? {delegate.qualifiedAttr($text, $x, $y);}
```

```
;
```

```
SET_ATTR
```

```
: '$' x=ID WS? '=' expr=ATTR_VALUE_EXPR ';
```

```
{
```

```
  delegate.setAttr($text, $x, $expr);
```

```
}
```

```
;
```

```
ATTR
```

```
: '$' x=ID {delegate.attr($text, $x);}
```

```
;
```

```
// Anything else is just random text
```

```
TEXT
```

```
@init {StringBuilder buf = new StringBuilder();}
```

```
@after {delegate.text(buf.toString());}
```

```
: ( c=~(\\| '$) {buf.append((char)$c);}
```

```
  | '\\$' {buf.append('$');}
```

```
  | '\\ c=~('$) {buf.append(\\).append((char)$c);}
```

```
  | {!isIDStartChar(input.LA(2))}? => '$' {buf.append('$');}
```

```
)+
```

```
;
```

```
fragment
```

```
ID : ('a'..'z'|'A'..'Z'|'_') ('a'..'z'|'A'..'Z'|'0'..'9'|'_')*
```

```
;
```

```
/** Don't allow an = as first char to prevent $x == 3; kind of stuff. */
```

```
fragment
```

```
ATTR_VALUE_EXPR
```

```
: ~'=' (~';)*
```

```
;
```

```
fragment
```

```
WS : ('\\t'|'\\n'|'r')+;
```

```
;
```

```
Found in path(s):
```

```
* /opt/cola/permits/1300428068_1649144266.79/0/antlr4-4-9-2-sources-jar/org/antlr/v4/parse/ActionSplitter.g
```

```
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```
/*
```

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1.53 netty/transport/classes/epoll 4.1.75.Final

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Found in path(s):

* /opt/cola/permits/1337070144_1654204780.709316/0/netty-transport-classes-epoll-4-1-75-final-jar/META-INF/maven/io.netty/netty-transport-classes-epoll/pom.xml

No license file was found, but licenses were detected in source scan.

Manifest-Version: 1.0

Implementation-Title: Netty/Transport/Classes/Epoll

Bundle-Description: Netty is an asynchronous event-driven network application framework for rapid development of maintainable high performance protocol servers and clients.

Automatic-Module-Name: io.netty.transport.classes.epoll

Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0>

Bundle-SymbolicName: io.netty.transport-classes-epoll

Implementation-Version: 4.1.75.Final

Built-By: root

Bnd-LastModified: 1646908346476

Bundle-ManifestVersion: 2

Implementation-Vendor-Id: io.netty

Bundle-DocURL: <https://netty.io/>

Bundle-Vendor: The Netty Project

Import-Package: io.netty.buffer;version="[4.1,5)",io.netty.channel,io.netty.channel.socket;version="[4.1,5)",io.netty.channel.unix;version="[4.1,5)",io.netty.util;version="[4.1,5)",io.netty.util.collection;version="[4.1,5)",io.netty.util.concurrent;version="[4.1,5)",io.netty.util.internal;version="[4.1,5)",io.netty.util.internal.logging;version="[4.1,5)",sun.nio.ch;resolution:=optional,org.eclipse.jetty.npn;version="[1,2)";resolution:=optional,org.eclipse.jetty.alpn;version="[1,2)";resolution:=optional

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.6))"

Tool: Bnd-2.4.1.201501161923

Implementation-Vendor: The Netty Project

Export-Package: io.netty.channel.epoll;uses:="io.netty.buffer,io.netty.channel,io.netty.channel.socket,io.netty.channel.unix,io.netty.util,io.netty.util.concurrent";version="4.1.75"

Bundle-Name: Netty/Transport/Classes/Epoll

Bundle-Version: 4.1.75.Final

Created-By: Apache Maven Bundle Plugin

Build-Jdk: 1.8.0_322

Implementation-URL: <https://netty.io/netty-transport-classes-epoll/>

Found in path(s):

* /opt/cola/permits/1337070144_1654204780.709316/0/netty-transport-classes-epoll-4-1-75-final-jar/META-INF/MANIFEST.MF

1.54 jackson-dataformat-csv 2.13.2

1.54.1 Available under license :

Apache-2.0

1.55 apache-groovy 3.0.10

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- * <https://github.com/bura>[Andrey Bloshchetsov]
- * <https://github.com/JBrownVisualSpection>[J Brown]
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1.56 testcontainers-junit-jupiter-extension

1.16.3

1.56.1 Available under license :

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1.57 checkstyle 9.0.1

1.57.1 Available under license :

No license file was found, but licenses were detected in source scan.

```
// This library is free software; you can redistribute it and/or
// modify it under the terms of the GNU Lesser General Public
// License as published by the Free Software Foundation; either
// version 2.1 of the License, or (at your option) any later version.
// This library is distributed in the hope that it will be useful,
// but WITHOUT ANY WARRANTY; without even the implied warranty of
// MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
// Lesser General Public License for more details.
// You should have received a copy of the GNU Lesser General Public
/**
 * <p>
 * Checks that a specified pattern exists, exists less than
 * a set number of times, or does not exist in the file.
 * </p>
 * <p>
 * This check combines all the functionality provided by
 * <a href="https://checkstyle.org/config_header.html#RegexpHeader">RegexpHeader</a>
 * except supplying the regular expression from a file.
 * </p>
 * <p>
 * It differs from them in that it works in multiline mode. Its regular expression
 * can span multiple lines and it checks this against the whole file at once.
 * The others work in singleline mode. Their single or multiple regular expressions
 * can only span one line. They check each of these against each line in the file in turn.
 * </p>
 * <p>
```

* **Note:** Because of the different mode of operation there may be some changes in the regular expressions used to achieve a particular end.

* In multiline mode...

- * `^` means the beginning of a line, as opposed to beginning of the input.
- * For beginning of the input use `\A`.
- * `$` means the end of a line, as opposed to the end of the input.
- * For end of input use `\Z`.

Each line in the file is terminated with a line feed character.

Note: Not all regular expression engines are created equal. Some provide extra functions that others do not and some elements of the syntax may vary. This check makes use of the [java.util.regex](https://docs.oracle.com/en/java/javase/11/docs/api/java.base/java/util/regex/package-summary.html) package; please check its documentation for details of how to construct a regular expression to achieve a particular goal.

Note: When entering a regular expression as a parameter in the XML config file you must also take into account the XML rules. e.g. if you want to match a `<` symbol you need to enter `&lt;`. The regular expression should be entered on one line.

- Property `format` - Specify the pattern to match against.
 - Type is `java.util.regex.Pattern`.
 - Default value is `"^$"`.
- Property `message` - Specify message which is used to notify about violations, if empty then the default (hard-coded) message is used.
 - Type is `java.lang.String`.
 - Default value is `null`.

- *
- *
- * Property { @code illegalPattern } - Control whether the pattern is required or illegal.
- * Type is { @code boolean }.
- * Default value is { @code false }.
- *
- *
- * Property { @code duplicateLimit } - Control whether to check for duplicates
- * of a required pattern, any negative value means no checking for duplicates,
- * any positive value is used as the maximum number of allowed duplicates,
- * if the limit is exceeded violations will be logged.
- * Type is { @code int }.
- * Default value is { @code 0 }.
- *
- *
- * Property { @code errorLimit } - Specify the maximum number of violations before
- * the check will abort.
- * Type is { @code int }.
- * Default value is { @code 100 }.
- *
- *
- * Property { @code ignoreComments } - Control whether to ignore matches found within comments.
- * Type is { @code boolean }.
- * Default value is { @code false }.
- *
- *
- * <p>
- * To configure the check:
- * </p>
- * <p>
- * The following examples are mainly copied from the other 3 checks mentioned above,
- * to show how the same results can be achieved using this check in place of them.
- * </p>
- * <p>
- * To use like Required Regexp check:
- * </p>
- * <p>
- * An example of how to configure the check to make sure a copyright statement
- * is included in the file:
- * </p>
- * <p>
- * The statement.
- * </p>
- * <pre>
- * // This code is copyrighted
- * </pre>
- * <p>
- * The check.

```

* </p>
* <pre>
* &lt;module name="Regex"&gt;
* &lt;property name="format" value="// This code is copyrighted"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
* Your statement may be multiline.
* </p>
* <pre>
* // This code is copyrighted
* // (c) MyCompany
* </pre>
* <p>
* Then the check would be.
* </p>
* <pre>
* &lt;module name="Regex"&gt;
* &lt;property name="format" value="// This code is copyrighted\n// (c) MyCompany"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
* <b>Note:</b> To search for parentheses () in a regular expression you must
* escape them like \(). This is required by the regex engine, otherwise it will
* think they are special instruction characters.
* </p>
* <p>
* And to make sure it appears only once:
* </p>
* <pre>
* &lt;module name="Regex"&gt;
* &lt;property name="format" value="// This code is copyrighted\n// (c) MyCompany"/&gt;
* &lt;property name="duplicateLimit" value="0"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
* It can also be useful to attach a meaningful message to the check:
* </p>
* <pre>
* &lt;module name="Regex"&gt;
* &lt;property name="format" value="// This code is copyrighted\n// (c) MyCompany"/&gt;
* &lt;property name="message" value="Copyright"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
* <b>To use like illegal regex check:</b>
* </p>
* <p>

```

* An example of how to configure the check to make sure there are no calls to

```
* { @code System.out.println }:
```

</p>

```
* <pre>
* &lt;module name="Regexp"&gt;
* &lt;!- . matches any character, so we need to escape it and use \. to match dots. --&gt;
* &lt;property name="format" value="System\\.out\\.println"/&gt;
* &lt;property name="illegalPattern" value="true"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
```

* You may want to make the above check ignore comments, like this:

```
* <pre>
* &lt;module name="Regexp"&gt;
* &lt;property name="format" value="System\\.out\\.println"/&gt;
* &lt;property name="illegalPattern" value="true"/&gt;
* &lt;property name="ignoreComments" value="true"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
```

* An example of how to configure the check to find trailing whitespace at the end of a line:

```
* <pre>
* &lt;module name="Regexp"&gt;
* &lt;property name="format" value="[\\t]+$"/&gt;
* &lt;property name="illegalPattern" value="true"/&gt;
* &lt;property name="message" value="Trailing whitespace"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
```

* An example of how to configure the check to find case-insensitive occurrences of "debug":

```
* <pre>
* &lt;module name="Regexp"&gt;
* &lt;property name="format" value="(?!i)debug"/&gt;
* &lt;property name="illegalPattern" value="true"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
```

* **Note:** The (?!i) at the beginning of the regular expression tells the regex engine to ignore the case.

</p>

<p>

* There is also a feature to limit the number of violations reported.

* When the limit is reached the check aborts with a message reporting that

* the limit has been reached. The default limit setting is 100,

* but this can be change as shown in the following example.

```

* </p>
* <pre>
* &lt;module name="Regexp"&gt;
*   &lt;property name="format" value="(?!debug"/&gt;
*   &lt;property name="illegalPattern" value="true"/&gt;
*   &lt;property name="errorLimit" value="1000"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
* <b>To use like <a href="https://checkstyle.org/config_header.html#RegexpHeader">
* RegexpHeader</a>:</b>
* </p>
* <p>
* To configure the check to verify that each file starts with the following multiline header.
* </p>
* <p>
* Note the following:
* </p>
* <ul>
* <li>
* \A means the start of the file.
* </li>
* <li>
* The date can be any 4 digit number.
* </li>
* </ul>
* <pre>
* // Copyright (C) 2004 MyCompany
* // All rights reserved
* </pre>
* <pre>
* &lt;module name="Regexp"&gt;
*   &lt;property
*     name="format"
*     value="\A// Copyright \((C)\ \d\d\d\d MyCompany\n// All rights reserved"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
* A more complex example. Note how the import and javadoc multilines are handled,
* there can be any number of them.
* </p>
* <pre>
* ////////////////////////////////////////////////////////////////////
* // checkstyle:
* // Checks Java source code for adherence to a set of rules.
* // Copyright (C) 2004 Oliver Burn
* // Last modification by $Author A.N.Other$
* ////////////////////////////////////////////////////////////////////

```



```

*
* package com.puppcrawl.checkstyle;
*
* import java.util.thing1;
* import java.util.thing2;
* import java.util.thing3;
*
* &#47;**
* * javadoc line 1
* * javadoc line 2
* * javadoc line 3
* * &#47;
* </pre>
* <pre>
* &lt;module name="Regexp"&gt;
*   &lt;property
*     name="format"
*     value="\A{71}\n// checkstyle:\n// Checks Java source code for
*     adherence to a set of rules.\n// Copyright \(\C\) \d\d\d\d Oliver Burn\n
*     // Last modification by \${Author.*}\n/{71}\n\package [\w\.]*;\n\n
*     (import [\w\.]*;\n)*\n^\n(\n\ \^[^]*\n)* \&#47;"/&gt;
*   &lt;/module&gt;
* </pre>
* <p>
* <b>More examples:</b>
* </p>
* <p>
* The next 2 examples deal with the following example Java source file:
* </p>
* <pre>
* &#47;*
* * PID.java
* *
* * Copyright (c) 2001 ACME
* * 123 Some St.
* * Somewhere.
* *
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* * Confidential Information and shall use it only in accordance with
* * the terms of the license agreement you entered into with ACME.
* *
* * $Log: config_misc.xml,v $
* * Revision 1.7 2007/01/16 12:16:35 oburn
* * Removing all reference to mailing lists
* *
* * Revision 1.6 2005/12/25 16:13:10 o_sukhodolsky
* * Fix for rfe 1248106 (TYPECAST is now accepted by NoWhitespaceAfter)

```

```

* *
* * Fix for rfe 953266 (thanks to Paul Guyot (pguyot) for submitting patch)
* * IllegalType can be configured to accept some abstract classes which
* * matches to regexp of illegal type names (property legalAbstractClassNames)
* *
* * TrailingComment now can be configured to accept some trailing comments
* * (such as NOI18N) (property legalComment, rfe 1385344).
* *
* * Revision 1.5 2005/11/06 11:54:12 oburn
* * Incorporate excellent patch [ 1344344 ] Consolidation of regexp checks.
* *
* * Revision 1.3.8.1 2005/10/11 14:26:32 someone
* * Fix for bug 251. The broken bit is fixed
* *&#47;;
*
* package com.acme.tools;
*
* import com.acme.thing1;
* import com.acme.thing2;
* import com.acme.thing3;
*
* &#47;**
* *
* * &lt;P&gt;;
* * &lt;I&gt;This software is the confidential and proprietary information of
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* * disclose such Confidential Information and shall use it only in
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* * with ACME.&lt;/I&gt;;
* * &lt;P&gt;;
* *
* * &#169; copyright 2002 ACME
* *
* * &#64;author Some Body
* *&#47;;
* public class PID extends StateMachine implements WebObject.Constants {
*
* &#47;** javadoc. &#47;;
* public static final int A_SETPOINT = 1;
* .
* .
* .
* } // class PID
* </pre>
* <p>
* This checks for the presence of the header, the first 16 lines.
* </p>
* <p>

```

```

* Note the following:
* </p>
* <ul>
* <li>
* Line 2 and 13 contain the file name. These are checked to make sure they
* are the same, and that they match the class name.
* </li>
* <li>
* The date can be any 4 digit number.
* </li>
* </ul>
* <pre>
* &lt;module name="Regexp"&gt;
*   &lt;property
*     name="format"
*     value="\A\*\n \* (\w*)\.java\n \*\n \* Copyright \(\c\)
*     \d\d\d\d ACME\n \* 123 Some St.\n \* Somewhere.\n \*\n
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*     use it only in accordance with\n \* the terms of the license
*     agreement you entered into with ACME.\n \*\n
*     \* \$Log: config_misc.xml,v $
*     \* Revision 1\7 2007/01/16 12:16:35 oburn
*     \* Removing all reference to mailing lists
*     \* \
*     \* Revision 1.6 2005/12/25 16:13:10 o_sukhodolsky
*     \* Fix for rfe 1248106 \(\TYPECAST is now accepted by NoWhitespaceAfter\)
*     \* \
*     \* Fix for rfe 953266 \(\thanks to Paul Guyot \(\pguyot\) for submitting patch\)
*     \* IllegalType can be configured to accept some abstract classes which
*     \* matches to regexp of illegal type names \(\property legalAbstractClassNames\)
*     \*
*     \* TrailingComment now can be configured to accept some trailing comments
*     \* \(\such as NOI18N\) \(\property legalComment, rfe 1385344\)
*     \*
*     \* Revision 1.5 2005/11/06 11:54:12 oburn
*     \* Incorporate excellent patch \[ 1344344 \] Consolidation of regexp checks.
*     \* \n(.*\n)*(\[w\s]* ( class | interface )\1)"/&gt;
*   &lt;property name="message" value="Correct header not found"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
* This checks for the presence of a copyright notice within the class javadoc, lines 24 to 37.
* </p>
* <pre>
* &lt;module name="Regexp"&gt;
*   &lt;property

```

```

* name="format"
* value="(\\*\\*\\n)( \\*.*\\n)*( \\* &lt;P&gt;\\n \\* &lt;I&gt;
* This software is the confidential and proprietary information of\\n
* \\* ACME \\(&lt;B&gt;&amp;quot;Confidential Information&amp;quot;&lt;/B&gt;
* \\). You shall not\\n \\* disclose such Confidential Information
* and shall use it only in\\n \\* accordance with the terms of the
* license agreement you entered into\\n \\* with ACME\\.&lt;/I&gt;\\n
* \\* &lt;/P&gt;\\n \\* \\* &amp;#169; copyright \\d\\d\\d ACME\\n
* \\*\\n \\* &#64;author .*(\\n\\s\\*.*)*&#47;\\n[\\w\\s]* ( class | interface )"/&gt;
* &lt;property name="message"
* value="Copyright in class/interface Javadoc"/&gt;
* &lt;property name="duplicateLimit" value="0"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
* <b>Note:</b> To search for things that mean something in XML, like &lt;
* you need to escape them like &amp;lt;. This is required so the XML parser
* does not act on them, but instead passes the correct character to the regexp engine.
* </p>
* <p>
* Parent is { @code com.puppcrawl.tools.checkstyle.TreeWalker }
* </p>
* <p>
* Violation Message Keys:
* <p>
* <ul>
* <li>
* { @code duplicate.regexp }
* </li>
* <li>
* { @code illegal.regexp }
* </li>
* <li>
* { @code required.regexp }
* </li>
* </ul>
*
* @since 4.0
*/

```

Found in path(s):

```

* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/regexp/RegexpCheck.java

```

No license file was found, but licenses were detected in source scan.

header specification (note that this is not the full Apache license header):

```

line 5: ^\\W*Licensed under the Apache License, Version 2\\.0 \\(the "License"\\);$

```

Found in path(s):

```
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-  
jar/com/puppcrawl/tools/checkstyle/meta/checks/header/RegexpHeaderCheck.xml  
No license file was found, but licenses were detected in source scan.
```

```
// This library is free software; you can redistribute it and/or  
// modify it under the terms of the GNU Lesser General Public  
// License as published by the Free Software Foundation; either  
// version 2.1 of the License, or (at your option) any later version.  
// This library is distributed in the hope that it will be useful,  
// but WITHOUT ANY WARRANTY; without even the implied warranty of  
// MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU  
// Lesser General Public License for more details.  
// You should have received a copy of the GNU Lesser General Public  
/**  
* <p>  
* Filter { @code SuppressionXPathFilter } works as  
* <a href="https://checkstyle.org/config_filters.html#SuppressionFilter">SuppressionFilter</a>.  
* Additionally, filter processes { @code suppress-xpath } elements,  
* which contains xpath-expressions. Xpath-expressions are queries for  
* suppressed nodes inside the AST tree.  
* </p>  
* <p>  
* Currently, filter does not support the following checks:  
* </p>  
* <ul id="SuppressionXPathFilter_IncompatibleChecks">  
* <li>  
* NoCodeInFile (reason is that AST is not generated for a file not containing code)  
* </li>  
* <li>  
* Regexp (reason is at  
* <a href="https://github.com/checkstyle/checkstyle/issues/7759#issuecomment-605525287"> #7759</a>)  
* </li>  
* <li>  
* RegexpSinglelineJava (reason is at  
* <a href="https://github.com/checkstyle/checkstyle/issues/7759#issuecomment-605525287"> #7759</a>)  
* </li>  
* </ul>  
* <p>  
* Also, the filter does not support suppressions inside javadoc reported by Javadoc checks:  
* </p>  
* <ul id="SuppressionXPathFilter_JavadocChecks">  
* <li>  
* AtclauseOrder  
* </li>  
* <li>  
* JavadocBlockTagLocation  
* </li>
```

- *
- * JavadocMethod
- *
- *
- * JavadocMissingLeadingAsterisk
- *
- *
- * JavadocMissingWhitespaceAfterAsterisk
- *
- *
- * JavadocParagraph
- *
- *
- * JavadocStyle
- *
- *
- * JavadocTagContinuationIndentation
- *
- *
- * JavadocType
- *
- *
- * MissingDeprecated
- *
- *
- * NonEmptyAtclauseDescription
- *
- *
- * RequireEmptyLineBeforeBlockTagGroup
- *
- *
- * SingleLineJavadoc
- *
- *
- * SummaryJavadoc
- *
- *
- * WriteTag
- *
- *
- * <p>
- * Note, that support for these Checks will be available after resolving issue
- * #5770.
- * </p>
- * <p>
- * Currently, filter supports the following xpath axes:
- * </p>
- *

- *
- * ancestor
- *
- *
- * ancestor-or-self
- *
- *
- * attribute
- *
- *
- * child
- *
- *
- * descendant
- *
- *
- * descendant-or-self
- *
- *
- * following
- *
- *
- * following-sibling
- *
- *
- * parent
- *
- *
- * preceding
- *
- *
- * preceding-sibling
- *
- *
- * self
- *
- *
- * <p>
- * You can use the command line helper tool to generate xpath suppressions based on your
- * configuration file and input files. See here
- * for more details.
- * </p>
- * <p>
- * The suppression file location is checked in following order:
- * </p>
- *
- *
- * as a filesystem location

- *
- *
- * if no file found, and the location starts with either { @code http:// } or { @code https:// },
- * then it is interpreted as a URL
- *
- *
- * if no file found, then passed to the { @code ClassLoader.getResource() } method.
- *
- *
- * <p>
- * SuppressionXpathFilter can suppress Checks that have Treewalker as parent module.
- * </p>
- *
- *
- * Property { @code file } - Specify the location of the suppressions XML document file.
- * Type is { @code java.lang.String }.
- * Default value is { @code null }.
- *
- *
- * Property { @code optional } - Control what to do when the file is not existing.
- * If optional is set to false the file must exist, or else it ends with error.
- * On the other hand if optional is true and file is not found, the filter accepts all audit events.
- * Type is { @code boolean }.
- * Default value is { @code false }.
- *
- *
- * <p>
- * For example, the following configuration fragment directs the Checker to use a
- * { @code SuppressionXpathFilter } with suppressions file { @code config/suppressions.xml }:
- * </p>
- * <pre>
- * <module name="SuppressionXpathFilter">
- * <property name="file" value="config/suppressions.xml"/>
- * <property name="optional" value="false"/>
- * </module>
- * </pre>
- * <p>
- * A
- * suppressions XML document
- * contains a set of { @code suppress } and { @code suppress-xpath } elements,
- * where each { @code suppress-xpath } element can have the following attributes:
- * </p>
- *
- *
- * { @code files } - a Pattern
- * matched against the file name associated with an audit event. It is optional.
- *
- *

- * { @code checks } - a [Pattern](https://checkstyle.org/property_types.html#Pattern) matched against the name of the check associated with an audit event.
- * Optional as long as { @code id } or { @code message } is specified.

- *
- * { @code message } - a [Pattern](https://checkstyle.org/property_types.html#Pattern) matched against the message of the check associated with an audit event.
- * Optional as long as { @code checks } or { @code id } is specified.

- *
- * { @code id } - a [String](https://checkstyle.org/property_types.html#String) matched against the ID of the check associated with an audit event.
- * Optional as long as { @code checks } or { @code message } is specified.

- *
- * { @code query } - a [String](https://checkstyle.org/property_types.html#String) xpath query. It is optional.

<p>

- * Each audit event is checked against each { @code suppress } and { @code suppress-xpath } element.
- * It is suppressed if all specified attributes match against the audit event.

</p>

<p>

- * ATTENTION: filtering by message is dependant on runtime locale.
- * If project is running in different languages it is better to avoid filtering by message.

</p>

<p>

- * The following suppressions XML document directs a { @code SuppressionXpathFilter } to reject
- * { @code CyclomaticComplexity } violations for all methods with name *sayHelloWorld* inside
- * *FileOne* and *FileTwo* files:

</p>

<p>

- * Currently, xpath queries support one type of attribute { @code @text }. { @code @text } -
- * addresses to the text value of the node. For example: variable name, annotation name,
- * text content and etc. Only the following token types support { @code @text } attribute:
- * { @code TokenTypes.IDENT }, { @code TokenTypes.STRING_LITERAL }, { @code TokenTypes.CHAR_LITERAL },
- * { @code TokenTypes.NUM_LONG }, { @code TokenTypes.NUM_INT }, { @code TokenTypes.NUM_DOUBLE },
- * { @code TokenTypes.NUM_FLOAT }.
- * These token types were selected because only their text values are different
- * in content from token type and represent text value from file and can be used
- * in xpath queries for more accurate results. Other token types always have constant values.

</p>

<pre>

<?xml version="1.0" ?>

*

```

* &lt;!DOCTYPE suppressions PUBLIC
* &quot;://Checkstyle//DTD SuppressionXPathFilter Experimental Configuration 1.2//EN&quot;
* &quot;https://checkstyle.org/dtds/suppressions_1_2_xpath_experimental.dtd&quot;&gt;
*
* &lt;suppressions&gt;
* &lt;suppress-xpath checks=&quot;CyclomaticComplexity&quot;
* files=&quot;FileOne.java,FileTwo.java&quot;
* query=&quot;//METHOD_DEF[./IDENT[@text='sayHelloWorld']]&quot;/&gt;
* &lt;/suppressions&gt;
* </pre>
* <p>
* Suppress checks for package definitions:
* </p>
* <pre>
* &lt;suppress-xpath checks=".*" query="/PACKAGE_DEF"/&gt;
* </pre>
* <p>
* Suppress checks for parent element of the first variable definition:
* </p>
* <pre>
* &lt;suppress-xpath checks=".*" query="//VARIABLE_DEF[1]/../&gt;
* </pre>
* <p>
* Suppress checks for elements which are either class definitions, either method definitions.
* </p>
* <pre>
* &lt;suppress-xpath checks=".*" query="//CLASS_DEF | //METHOD_DEF"/&gt;
* </pre>
* <p>
* Suppress checks for certain methods:
* </p>
* <pre>
* &lt;suppress-xpath checks=&quot;.*&quot; query=&quot;//METHOD_DEF[./IDENT[@text='getSomeVar'
* or @text='setSomeVar']]&quot;/&gt;
* </pre>
* <p>
* Suppress checks for variable <i>testVariable</i> inside <i>testMethod</i>
* method inside <i>TestClass</i> class.
* </p>
* <pre>
* &lt;suppress-xpath checks=&quot;.*&quot; query=&quot;//CLASS_DEF[@text='TestClass']
* //METHOD_DEF[./IDENT[@text='testMethod']]
* //VARIABLE_DEF[./IDENT[@text='testVariable']]&quot;/&gt;
* </pre>
* <p>
* In the following sample, violations for { @code LeftCurly } check will be suppressed
* for classes with name <i>Main</i> or for methods with name <i>calculate</i>.
* </p>

```

```
* <pre>
* &lt;suppress-xpath checks=&quot;LeftCurly&quot; query=&quot;//CLASS_DEF[./IDENT[@text='Main']]/*
*   |//METHOD_DEF[./IDENT[@text='calculate']]/*&quot;/&gt;
* </pre>
* <p>
* The following example demonstrates how to suppress { @code RequireThis } violations
* for variable <i>age</i> inside <i>changeAge</i> method.
* </p>
* <pre>
* &lt;suppress-xpath checks=&quot;RequireThis&quot;
*   query=&quot;//CLASS_DEF[./IDENT[@text='InputTest']]
*     //METHOD_DEF[./IDENT[@text='changeAge']]//ASSIGN/IDENT[@text='age']&quot;/&gt;
* </pre>
* <pre>
* public class InputTest {
*   private int age = 23;
*
*   public void changeAge() {
*     age = 24; //violation will be suppressed
*   }
* }
* </pre>
* <p>
* Suppress { @code IllegalThrows } violations only for methods with name <i>throwsMethod</i>
* and only for { @code RuntimeException } exceptions. Double colon is used for axis iterations.
* In the following example { @code ancestor } axis is used to iterate all ancestor nodes
* of the current node with type { @code METHOD_DEF } and name <i>throwsMethod</i>.
* Please read more about xpath axes at <a href="https://www.w3schools.com/xml/xpath_axes.asp">
* W3Schools Xpath Axes</a>.
* </p>
* <pre>
* &lt;suppress-xpath checks="IllegalThrows" query="//LITERAL_THROWS
*   /IDENT[@text='RuntimeException' and
*     ./ancestor::METHOD_DEF[./IDENT[@text='throwsMethod']]]"/&gt;
* </pre>
* <pre>
* public class InputTest {
*   public void throwsMethod() throws RuntimeException { // violation will be suppressed
*   }
*
*   public void sampleMethod() throws RuntimeException { // will throw violation here
*   }
* }
* </pre>
* <p>
* The following sample demonstrates how to suppress all violations for method
* itself and all descendants. { @code descendant-or-self } axis iterates through
* current node and all children nodes at any level. Keyword { @code node() }
```

* selects node elements. Please read more about xpath syntax at
 * W3Schools Xpath Syntax.

* </p>

```
* <pre>
* &lt;suppress-xpath checks="*" query="//METHOD_DEF[./IDENT[@text='legacyMethod']]
* /descendant-or-self::node()"/&gt;
* </pre>
```

* <p>

* Some elements can be suppressed in different ways. For example, to suppress
 * violation on variable { @code wordCount } in following code:

* </p>

```
* <pre>
* public class InputTest {
*     private int wordCount = 11;
* }
* </pre>
```

* <p>

* You need to look at AST of such code by our CLI tool:

* </p>

```
* <pre>
* $ java -jar checkstyle-X.XX-all.jar -t InputTest.java
* CLASS_DEF -&gt; CLASS_DEF [1:0]
* |--MODIFIERS -&gt; MODIFIERS [1:0]
* | `--LITERAL_PUBLIC -&gt; public [1:0]
* |--LITERAL_CLASS -&gt; class [1:7]
* |--IDENT -&gt; InputTest [1:13]
* `--OBJBLOCK -&gt; OBJBLOCK [1:23]
* |--LCURLY -&gt; { [1:23]
* |--VARIABLE_DEF -&gt; VARIABLE_DEF [2:4]
* | |--MODIFIERS -&gt; MODIFIERS [2:4]
* | | `--LITERAL_PRIVATE -&gt; private [2:4]
* | |--TYPE -&gt; TYPE [2:12]
* | | `--LITERAL_INT -&gt; int [2:12]
* | |--IDENT -&gt; wordCount [2:16]
* | |--ASSIGN -&gt; = [2:26]
* | | `--EXPR -&gt; EXPR [2:28]
* | | | `--NUM_INT -&gt; 11 [2:28]
* | | `--SEMI -&gt; ; [2:30]
* `--RCURLY -&gt; } [3:0]
* </pre>
```

* <p>

* The easiest way is to suppress by variable name. As you can see { @code VARIABLE_DEF }
 * node refers to variable declaration statement and has child node with token type
 * { @code IDENT } which is used for storing class, method, variable names.

* </p>

* <p>

* The following example demonstrates how variable can be queried by its name:

* </p>

```
* <pre>
* &lt;suppress-xpath checks="." query="//VARIABLE_DEF[
*     ./IDENT[@text='wordCount']"/&gt;
* </pre>
* <p>
* Another way is to suppress by variable value. Again, if you look at the printed
* AST tree above, you will notice that one of the grandchildren of { @code VARIABLE_DEF }
* node is responsible for storing variable value -{ @code NUM_INT } with value <b>11</b>.
* </p>
* <p>
* The following example demonstrates how variable can be queried by its value,
* same approach applies to { @code String, char, float, double, int, long } data types:
* </p>
* <pre>
* &lt;suppress-xpath checks="." query="//VARIABLE_DEF[./NUM_INT[@text=11]]"/&gt;
* </pre>
* <p>
* Next example is about suppressing method with certain annotation by its name and element value.
* </p>
* <pre>
* public class InputTest {
*     &#64;Generated("first") // should not be suppressed
*     public void test1() {
*     }
*
*     &#64;Generated("second") // should be suppressed
*     public void test2() {
*     }
* }
* </pre>
* <p>
* First of all we need to look at AST tree printed by our CLI tool:
* </p>
* <pre>
* $ java -jar checkstyle-X.XX-all.jar -t InputTest.java
* CLASS_DEF -&gt; CLASS_DEF [1:0]
* |--MODIFIERS -&gt; MODIFIERS [1:0]
* | `--LITERAL_PUBLIC -&gt; public [1:0]
* |--LITERAL_CLASS -&gt; class [1:7]
* |--IDENT -&gt; InputTest [1:13]
* `--OBJBLOCK -&gt; OBJBLOCK [1:23]
* |--LCURLY -&gt; { [1:23]
* |--METHOD_DEF -&gt; METHOD_DEF [2:4]
* | |--MODIFIERS -&gt; MODIFIERS [2:4]
* | | |--ANNOTATION -&gt; ANNOTATION [2:4]
* | | | |--AT -&gt; @ [2:4]
* | | | |--IDENT -&gt; Generated [2:5]
* | | | |--LPAREN -&gt; ( [2:14]
```

```

* | | | |--EXPR -&gt; EXPR [2:15]
* | | | | `--STRING_LITERAL -&gt; "first" [2:15]
* | | | `--RPAREN -&gt; ) [2:22]
* | | `--LITERAL_PUBLIC -&gt; public [3:4]
* | |--TYPE -&gt; TYPE [3:11]
* | | `--LITERAL_VOID -&gt; void [3:11]
* | |--IDENT -&gt; test1 [3:16]
* | |--LPAREN -&gt; ( [3:21]
* | |--PARAMETERS -&gt; PARAMETERS [3:22]
* | |--RPAREN -&gt; ) [3:22]
* | `--SLIST -&gt; { [3:24]
* |   `--RCURLY -&gt; } [4:4]
* |--METHOD_DEF -&gt; METHOD_DEF [6:4]
* | |--MODIFIERS -&gt; MODIFIERS [6:4]
* | | |--ANNOTATION -&gt; ANNOTATION [6:4]
* | | | |--AT -&gt; @ [6:4]
* | | | | |--IDENT -&gt; Generated [6:5]
* | | | | |--LPAREN -&gt; ( [6:14]
* | | | | | |--EXPR -&gt; EXPR [6:15]
* | | | | | | `--STRING_LITERAL -&gt; "second" [6:15]
* | | | | | | `--RPAREN -&gt; ) [6:23]
* | | | | `--LITERAL_PUBLIC -&gt; public [7:4]
* | | | |--TYPE -&gt; TYPE [7:11]
* | | | | `--LITERAL_VOID -&gt; void [7:11]
* | | | |--IDENT -&gt; test2 [7:16]
* | | | |--LPAREN -&gt; ( [7:21]
* | | | |--PARAMETERS -&gt; PARAMETERS [7:22]
* | | | |--RPAREN -&gt; ) [7:22]
* | | | `--SLIST -&gt; { [7:24]
* | | |   `--RCURLY -&gt; } [8:4]
* | | `--RCURLY -&gt; } [9:0]
* </pre>
* <p>
* AST node { @code ANNOTATION -> ANNOTATION [6:4] } has direct child
* { @code IDENT -> Generated [6:5] }, therefore can be queried by { @code IDENT } value:
* </p>
* <pre>
* &lt;suppress-xpath checks="." query="//METHOD_DEF[
*     //ANNOTATION/IDENT[@text='Generated']"/&gt;
* </pre>
* <p>
* The problem with query above that it will suppress violations for all methods
* with annotation { @code @Generated }. In order to suppress methods with
* { @code @Generated("second") } annotations only, you need to look at AST tree again.
* Value of the { @code ANNOTATION } node is stored inside sub-node with token type
* { @code STRING_LITERAL }. Use the following query to suppress methods with
* { @code @Generated("second") } annotation:
* </p>

```

```

* <pre>
* &lt;suppress-xpath checks="" query="//METHOD_DEF[//ANNOTATION[
*     ./IDENT[@text='Generated'] and ./EXPR/STRING_LITERAL[@text='second']]"/&gt;
* </pre>
* <p>
* Parent is { @code com.puppycrawl.tools.checkstyle.TreeWalker }
* </p>
*
* @since 8.6
* @noinspection NonFinalFieldReferenceInEquals, NonFinalFieldReferencedInHashCode
*/

```

Found in path(s):

```

* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/filters/SuppressionXPathFilter.java

```

No license file was found, but licenses were detected in source scan.

```

// This library is free software; you can redistribute it and/or
// modify it under the terms of the GNU Lesser General Public
// License as published by the Free Software Foundation; either
// version 2.1 of the License, or (at your option) any later version.
// This library is distributed in the hope that it will be useful,
// but WITHOUT ANY WARRANTY; without even the implied warranty of
// MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
// Lesser General Public License for more details.
// You should have received a copy of the GNU Lesser General Public
/**

```

```

* Represents a policy for the location of content starting from
* the same line as { @code /** }.

```

```

* Example:

```

```

* <pre>

```

```

* &#47; Summary text.

```

```

* * More details.

```

```

* *&#47;

```

```

* public void method();

```

```

* </pre>

```

```

* This style is also known as "scala" style.

```

```

*/

```

```

/**

```

```

* Represents a policy for the location of content starting from
* the next line after { @code /** }.

```

```

* Example:

```

```

* <pre>

```

```

* &#47; Summary text.

```

```

* * More details.

```

```

* *&#47;

```

```

* public void method();

```

```
* </pre>
* This style is common to java projects.
*/
```

Found in path(s):

```
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/pupppycrawl/tools/checkstyle/checks/javadoc/JavadocContentLocationOption.java
No license file was found, but licenses were detected in source scan.
```

```
* More details.
* More details.
```

Found in path(s):

```
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/pupppycrawl/tools/checkstyle/meta/checks/javadoc/JavadocContentLocationCheck.xml
No license file was found, but licenses were detected in source scan.
```

```
// This library is free software; you can redistribute it and/or
// modify it under the terms of the GNU Lesser General Public
// License as published by the Free Software Foundation; either
// version 2.1 of the License, or (at your option) any later version.
// This library is distributed in the hope that it will be useful,
// but WITHOUT ANY WARRANTY; without even the implied warranty of
// MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
// Lesser General Public License for more details.
// You should have received a copy of the GNU Lesser General Public
/**
```

```
* <p>
* Checks that a source file begins with a specified header.
* Property { @code headerFile } specifies a file that contains the required header.
* Alternatively, the header specification can be set directly in the
* { @code header } property without the need for an external file.
* </p>
* <p>
* Property { @code ignoreLines } specifies the line numbers to ignore when matching
* lines in a header file. This property is very useful for supporting headers
* that contain copyright dates. For example, consider the following header:
* </p>
* <pre>
* line 1: //////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////
* line 2: // checkstyle:
* line 3: // Checks Java source code for adherence to a set of rules.
* line 4: // Copyright (C) 2002 Oliver Burn
* line 5: //////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////////
* </pre>
* <p>
* Since the year information will change over time, you can tell Checkstyle
* to ignore line 4 by setting property { @code ignoreLines } to { @code 4 }.
```


* </p>

* <p>

* In default configuration, if header is not specified, the default value of header is set to { @code null } and the check does not rise any violations.

* </p>

*

*

* Property { @code headerFile } - Specify the name of the file containing the required header.

* Type is { @code java.net.URI }.

* Default value is { @code null }.

*

*

* Property { @code charset } - Specify the character encoding to use when reading the headerFile.

* Type is { @code java.lang.String }.

* Default value is { @code the charset property of the parent Checker module }.

*

*

* Property { @code header } - Specify the required header specified inline.

* Individual header lines must be separated by the string { @code "\n" } (even on platforms with a different line separator), see examples below.

* Type is { @code java.lang.String }.

* Default value is { @code null }.

*

*

* Property { @code ignoreLines } - Specify the line numbers to ignore.

* Type is { @code int[] }.

* Default value is { @code "" }.

*

*

* Property { @code fileExtensions } - Specify the file type extension of files to process.

* Type is { @code java.lang.String[] }.

* Default value is { @code "" }.

*

*

* <p>

* To configure the check such that no violations arise.

* Default values of properties are used.

* </p>

* <pre>

* <module name="Header"/>

* </pre>

* <p>

* To configure the check to use header file { @code "config/java.header" } and ignore lines { @code 2 }, { @code 3 }, and { @code 4 } and only process Java files:

* </p>

* <pre>

* <module name="Header">

```

* &lt;property name="headerFile" value="config/java.header"/&gt;
* &lt;property name="ignoreLines" value="2, 3, 4"/&gt;
* &lt;property name="fileExtensions" value="java"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
* To configure the check to verify that each file starts with the header
* </p>
* <pre>
* // Copyright (C) 2004 MyCompany
* // All rights reserved
* </pre>
* <p>
* without the need for an external header file:
* </p>
* <pre>
* &lt;module name="Header"&gt;
* &lt;property name="header"
* value="// Copyright (C) 2004 MyCompany\n// All rights reserved"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
* Parent is { @code com.puppcrawl.tools.checkstyle.Checker }
* </p>
* <p>
* Violation Message Keys:
* </p>
* <ul>
* <li>
* { @code header.mismatch }
* </li>
* <li>
* { @code header.missing }
* </li>
* </ul>
*
* @since 6.9
*/

```

Found in path(s):

```

* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/header/HeaderCheck.java

```

No license file was found, but licenses were detected in source scan.

```

////////////////////////////////////
// checkstyle: Checks Java source code for adherence to a set of rules.
// Copyright (C) 2001-2021 the original author or authors.
//

```

```

// This library is free software; you can redistribute it and/or
// modify it under the terms of the GNU Lesser General Public
// License as published by the Free Software Foundation; either
// version 2.1 of the License, or (at your option) any later version.
//
// This library is distributed in the hope that it will be useful,
// but WITHOUT ANY WARRANTY; without even the implied warranty of
// MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
// Lesser General Public License for more details.
//
// You should have received a copy of the GNU Lesser General Public
// License along with this library; if not, write to the Free Software
// Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
////////////////////////////////////

lexer grammar JavaLanguageLexer;

channels { COMMENTS }
//Please add new tokens only in the end of list! Otherwise you break compatibility!
tokens {
    // Root of Checkstyle AST
    COMPILATION_UNIT,

    // Maintain compatibility in token numbering
    PLACEHOLDER1, NULL_TREE_LOOKAHEAD,

    // Pre-1.4 tokens
    BLOCK, MODIFIERS, OBJBLOCK, SLIST, CTOR_DEF, METHOD_DEF, VARIABLE_DEF,
    INSTANCE_INIT, STATIC_INIT, TYPE, CLASS_DEF, INTERFACE_DEF,
    PACKAGE_DEF, ARRAY_DECLARATOR, EXTENDS_CLAUSE, IMPLEMENTS_CLAUSE,
    PARAMETERS, PARAMETER_DEF, LABELED_STAT, TYPECAST, INDEX_OP,
    POST_INC, POST_DEC, METHOD_CALL, EXPR, ARRAY_INIT,
    IMPORT, UNARY_MINUS, UNARY_PLUS, CASE_GROUP, ELIST, FOR_INIT, FOR_CONDITION,
    FOR_ITERATOR, EMPTY_STAT, FINAL, ABSTRACT,
    STRICTFP, SUPER_CTOR_CALL, CTOR_CALL,

    // ANTLR-generated pre-1.4 tokens now listed here to preserve their numerical
    // order so as to make all future version of this grammar backwardly compatible
    LITERAL_PACKAGE,SEMI,LITERAL_IMPORT,LBRACK,RBRACK,
    LITERAL_VOID,LITERAL_BOOLEAN,LITERAL_BYTE,
    LITERAL_CHAR,LITERAL_SHORT,LITERAL_INT,
    LITERAL_FLOAT,LITERAL_LONG,LITERAL_DOUBLE,
    IDENT,DOT,STAR,LITERAL_PRIVATE,LITERAL_PUBLIC,
    LITERAL_PROTECTED,LITERAL_STATIC,
    LITERAL_TRANSIENT,LITERAL_NATIVE,
    LITERAL_SYNCHRONIZED,LITERAL_VOLATILE,

    // Please add new tokens only in the end of list! Otherwise you break compatibility!

```

```

LITERAL_CLASS,LITERAL_EXTENDS,
LITERAL_INTERFACE,LCURLY,RCURLY,COMMA,
LITERAL_IMPLEMENTES,LPAREN,RPAREN,LITERAL_THIS,
LITERAL_SUPER,ASSIGN,LITERAL_THROWS,COLON,
LITERAL_IF,LITERAL_WHILE,LITERAL_DO,
LITERAL_BREAK,LITERAL_CONTINUE,LITERAL_RETURN,
LITERAL_SWITCH,LITERAL_THROW,LITERAL_FOR,
LITERAL_ELSE,LITERAL_CASE,LITERAL_DEFAULT,

// Please add new tokens only in the end of list! Otherwise you break compatibility!
LITERAL_TRY,LITERAL_CATCH,LITERAL_FINALLY,
PLUS_ASSIGN,MINUS_ASSIGN,STAR_ASSIGN,DIV_ASSIGN,MOD_ASSIGN,SR_ASSIGN,
BSR_ASSIGN,SL_ASSIGN,BAND_ASSIGN,BXOR_ASSIGN,BOR_ASSIGN,QUESTION,
LOR,LAND,BOR,BXOR,BAND,NOT_EQUAL,EQUAL,LT,GT,LE,GE,
LITERAL_INSTANCEOF,SL,SR,BSR,PLUS,MINUS,DIV,MOD,
INC,DEC,BNOT,LNOT,LITERAL_TRUE,LITERAL_FALSE,
LITERAL_NULL,LITERAL_NEW,NUM_INT,CHAR_LITERAL,
STRING_LITERAL,NUM_FLOAT,NUM_LONG,NUM_DOUBLE,WS,SINGLE_LINE_COMMENT,
BLOCK_COMMENT_BEGIN,ESC,HEX_DIGIT,VOCAB,EXPONENT,FLOAT_SUFFIX,

// Please add new tokens only in the end of list! Otherwise you break compatibility!
// Token for Java 1.4 language enhancements
ASSERT,

// Tokens for Java 1.5 language enhancements
STATIC_IMPORT, ENUM, ENUM_DEF, ENUM_CONSTANT_DEF, FOR_EACH_CLAUSE,
ANNOTATION_DEF, ANNOTATIONS, ANNOTATION, ANNOTATION_MEMBER_VALUE_PAIR,
ANNOTATION_FIELD_DEF,
ANNOTATION_ARRAY_INIT, TYPE_ARGUMENTS, TYPE_ARGUMENT, TYPE_PARAMETERS,
TYPE_PARAMETER, WILDCARD_TYPE, TYPE_UPPER_BOUNDS, TYPE_LOWER_BOUNDS, AT,
ELLIPSIS,
GENERIC_START, GENERIC_END, TYPE_EXTENSION_AND,

// Please add new tokens only in the end of list! Otherwise you break compatibility!

// token which was not included to grammar initially
// we need to put it to the end to maintain binary compatibility
// with previous versions
DO_WHILE,

// Tokens for Java 1.7 language enhancements
RESOURCE_SPECIFICATION, RESOURCES, RESOURCE,

// Tokens for Java 1.8
DOUBLE_COLON, METHOD_REF, LAMBDA,

// Support of java comments has been extended
BLOCK_COMMENT_END,COMMENT_CONTENT,

```

```

// Need to add these here to preserve order of tokens
SINGLE_LINE_COMMENT_CONTENT, BLOCK_COMMENT_CONTENT, STD_ESC,
BINARY_DIGIT, ID_START, ID_PART, INT_LITERAL, LONG_LITERAL,
FLOAT_LITERAL, DOUBLE_LITERAL, HEX_FLOAT_LITERAL, HEX_DOUBLE_LITERAL,
SIGNED_INTEGER, BINARY_EXPONENT,

PATTERN_VARIABLE_DEF, RECORD_DEF, LITERAL_RECORD,
RECORD_COMPONENTS, RECORD_COMPONENT_DEF, COMPACT_CTOR_DEF,
TEXT_BLOCK_LITERAL_BEGIN, TEXT_BLOCK_CONTENT, TEXT_BLOCK_LITERAL_END,
LITERAL_YIELD, SWITCH_RULE,

LITERAL_NON_SEALED, LITERAL_SEALED, LITERAL_PERMITS,
PERMITS_CLAUSE
}

@header {
import com.puppcrawl.tools.checkstyle.grammar.CommentListener;
import com.puppcrawl.tools.checkstyle.grammar.CrAwareLexerSimulator;
}

@lexer::members {
/**
 * We need to create a different constructor in order to use our
 * own implementation of the LexerATNSimulator. This is the
 * reason for the unused 'crAwareConstructor' argument.
 *
 * @param input the character stream to tokenize
 * @param crAwareConstructor dummy parameter
 */
public JavaLanguageLexer(CharStream input, boolean crAwareConstructor) {
    super(input);
    _interp = new CrAwareLexerSimulator(this, _ATN, _decisionToDFA, _sharedContextCache);
}

private CommentListener commentListener = null;

/**
 * Sets the CommentListener for the lexer.
 *
 * @param commentListener the commentListener to use in this lexer
 */
public void setCommentListener(CommentListener commentListener){
    this.commentListener = commentListener;
}

/** Tracks the starting line of a block comment. */
int startLine = -1;

```

```
/** Tracks the starting column of a block comment. */  
int startCol = -1;  
}
```

```
// Keywords and restricted identifiers  
ABSTRACT:      'abstract';  
ASSERT:        'assert';  
LITERAL_BOOLEAN:  'boolean';  
LITERAL_BREAK:   'break';  
LITERAL_BYTE:    'byte';  
LITERAL_CASE:    'case';  
LITERAL_CATCH:   'catch';  
LITERAL_CHAR:    'char';  
LITERAL_CLASS:   'class';  
LITERAL_CONST:   'const';  
LITERAL_CONTINUE: 'continue';  
LITERAL_DEFAULT: 'default';  
LITERAL_DO:      'do';  
LITERAL_DOUBLE:  'double';  
LITERAL_ELSE:    'else';  
ENUM:            'enum';  
EXTENDS_CLAUSE:  'extends';  
FINAL:           'final';  
LITERAL_FINALLY: 'finally';  
LITERAL_FLOAT:   'float';  
LITERAL_FOR:     'for';  
LITERAL_IF:      'if';  
LITERAL_GOTO:    'goto';  
LITERAL_IMPLEMENT: 'implements';  
IMPORT:          'import';  
LITERAL_INSTANCEOF: 'instanceof';  
LITERAL_INT:     'int';  
LITERAL_INTERFACE: 'interface';  
LITERAL_LONG:    'long';  
LITERAL_NATIVE:  'native';  
LITERAL_NEW:     'new';  
LITERAL_PACKAGE: 'package';  
LITERAL_PRIVATE: 'private';  
LITERAL_PROTECTED: 'protected';  
LITERAL_PUBLIC:  'public';  
LITERAL_RETURN:  'return';  
LITERAL_SHORT:   'short';  
LITERAL_STATIC:  'static';  
STRICTFP:        'strictfp';  
LITERAL_SUPER:   'super';  
LITERAL_SWITCH:  'switch';  
LITERAL_SYNCHRONIZED: 'synchronized';
```

```

LITERAL_THIS:      'this';
LITERAL_THROW:    'throw';
LITERAL_THROWS:   'throws';
LITERAL_TRANSIENT: 'transient';
LITERAL_TRY:      'try';
LITERAL_VOID:     'void';
LITERAL_VOLATILE: 'volatile';
LITERAL_WHILE:    'while';
LITERAL_RECORD:   'record';
LITERAL_YIELD:    'yield';
LITERAL_NON_SEALED: 'non-sealed';
LITERAL_SEALED:   'sealed';
LITERAL_PERMITS:  'permits';

// Literals
DECIMAL_LITERAL_LONG: ('0' | [1-9] (Digits? | '_' + Digits)) [iL];
DECIMAL_LITERAL:      ('0' | [1-9] (Digits? | '_' + Digits));

HEX_LITERAL_LONG:    '0' [xX] [0-9a-fA-F] ([0-9a-fA-F_]* [0-9a-fA-F])? [iL];
HEX_LITERAL:         '0' [xX] [0-9a-fA-F] ([0-9a-fA-F_]* [0-9a-fA-F])?;

OCT_LITERAL_LONG:   '0' '_'* [0-7] ([0-7_]* [0-7])? [iL];
OCT_LITERAL:        '0' '_'* [0-7] ([0-7_]* [0-7])?;

BINARY_LITERAL_LONG: '0' [bB] [01] ([01_]* [01])? [iL];
BINARY_LITERAL:      '0' [bB] [01] ([01_]* [01])?;

DOUBLE_LITERAL:     (Digits '.' Digits? | '.' Digits) ExponentPart? [dD]
|      Digits (ExponentPart [dD] | [dD])
;
FLOAT_LITERAL:      (Digits '.' Digits? | '.' Digits) ExponentPart? [fF]?
|      Digits (ExponentPart [fF]? | [fF])
;

HEX_DOUBLE_LITERAL: '0' [xX] (HexDigits '.'? | HexDigits? '.' HexDigits)
[pP] [+]? Digits [dD];

HEX_FLOAT_LITERAL:  '0' [xX] (HexDigits '.'? | HexDigits? '.' HexDigits)
[pP] [+]? Digits [fFdD]?;

LITERAL_TRUE:      'true';

LITERAL_FALSE:     'false';

CHAR_LITERAL:      "\"" (EscapeSequence | ~["\\r\n]) "\";

```

```

STRING_LITERAL:      ''' (EscapeSequence | ~["\\r\n])* ''';

TEXT_BLOCK_LITERAL_BEGIN: ''' ''' ''' -> pushMode(TextBlock);

LITERAL_NULL:       'null';

// Separators

LPAREN:             '(';
RPAREN:             ');
LCURLY:             '{';
RCURLY:             '}';
LBRACK:             '[';
RBRACK:             ']';
SEMI:               ';';
COMMA:              ',';
DOT:                '.';

// Operators

ASSIGN:             '=';
GT:                 '>';
LT:                 '<';
LNOT:               '!';
BNOT:               '~';
QUESTION:           '?';
COLON:              ':';
EQUAL:              '==';
LE:                 '<=';
GE:                 '>=';
NOT_EQUAL:          '!=';
LAND:               '&&';
LOR:                '||';
INC:                '++';
DEC:                '--';
PLUS:               '+';
MINUS:              '-';
STAR:               '*';
DIV:                '/';
BAND:               '&';
BOR:                '|';
BXOR:               '^';
MOD:                '%';
//SR:               '>>'; handled in parser
//SL:               '<<'; handled in parser

PLUS_ASSIGN:        '+=';
MINUS_ASSIGN:       '-=';

```



```

STAR_ASSIGN:      '*=';
DIV_ASSIGN:       '/=';
BAND_ASSIGN:      '&=';
BOR_ASSIGN:       '|=';
BXOR_ASSIGN:      '^=';
MOD_ASSIGN:       '%=';
SL_ASSIGN:        '<<=';
SR_ASSIGN:        '>>=';
//BSR:            '>>>'; handled in parser
BSR_ASSIGN:       '>>>=';

// Java 8 tokens

LAMBDA:           '->';
DOUBLE_COLON:     '::';

// Additional symbols not defined in the lexical specification

AT:               '@';
ELLIPSIS:         '...';

// Whitespace and comments

WS:               [ \t\r\n\u000C]+ -> skip;

BLOCK_COMMENT_BEGIN:
// Match block comment start delimiter, set start position
/*' { startLine = _tokenStartLine; startCol = _tokenStartCharPositionInLine; }

// Match content of comment, non-greedy
.*?

// Match comment ending delimiter
*'
{
// Trim delimiters from comment text
setText(getText().substring(2, getText().length() - 2));
// Report comment
commentListener.reportBlockComment("/*", startLine, startCol,
    _interp.getLine(), _interp.getCharPositionInLine() - 1);
startLine = startCol = -1;
} -> channel(COMMENTS);

SINGLE_LINE_COMMENT:
// Match single line comment delimiter
/*'
{
// Report comment

```

```

        commentListener.reportSingleLineComment("//",
            _tokenStartLine, _tokenStartCharPositionInLine);
    }
    // Match content, including terminating newline (or nothing if EOF)
    ~[\r\n]* ( '\n' | '\r' ('\n')? | /** nothing */ )
    {
        // Trim delimiters from comment text
        setText(getText().substring(2));
    } -> channel(COMMENTS);

// Identifiers

IDENT:    Letter LetterOrDigit*;

// Fragment rules

fragment ExponentPart
: [eE] [+]? Digits
;

fragment EscapeSequence
: '\\'
  ( 'u'+ ( '0' '0' '5' ( 'c' | 'C' )
    ( '\\' 'u'+ HexDigit HexDigit HexDigit HexDigit | StandardEscape )
    | HexDigit HexDigit HexDigit HexDigit
  )
  | StandardEscape
)
;

fragment StandardEscape
: [btnfrs"\\]
| [0-3] (([0-7]) [0-7])?
| [4-7] ([0-9])?
;

fragment HexDigits
: HexDigit ((HexDigit | '_')* HexDigit)?
;

fragment HexDigit
: [0-9a-fA-F]
;

fragment Digits
: [0-9] ([0-9_]* [0-9])?
;

```

fragment LetterOrDigit

```
: Letter  
| [0-9]  
;
```

fragment Letter

```
// these are the "java letters" below 0x7F  
: [a-zA-Z$_]  
// covers all characters above 0x7F which are not a surrogate  
| ~[\u0000-\u007F\uD800-\uDBFF]  
// covers UTF-16 surrogate pairs encodings for U+10000 to U+10FFFF  
| [\uD800-\uDBFF] [\uDC00-\uDFFF]  
;
```

// Text block lexical mode

mode TextBlock;

```
TEXT_BLOCK_CONTENT  
: ( TwoDoubleQuotes  
| OneDoubleQuote  
| Newline  
| ~"  
| TextBlockStandardEscape  
)+  
;
```

TEXT_BLOCK_LITERAL_END

```
: "" "" "" -> popMode  
;
```

// Text block fragment rules

fragment TextBlockStandardEscape

```
: "\\ [btnfrs""]  
;
```

fragment Newline

```
: '\n' | '\r' ('\n')?  
;
```

fragment TwoDoubleQuotes

```
: "" "" ( Newline | ~"  
;
```

fragment OneDoubleQuote

```
: "" ( Newline | ~"  
;
```

Found in path(s):

```
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
```

jar/com/puppcrawl/tools/checkstyle/grammar/java/JavaLanguageLexer.g4

No license file was found, but licenses were detected in source scan.

for more details.

Found in path(s):

* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-

jar/com/puppcrawl/tools/checkstyle/meta/filters/SuppressionXpathFilter.xml

No license file was found, but licenses were detected in source scan.

```
// This library is free software; you can redistribute it and/or
// modify it under the terms of the GNU Lesser General Public
// License as published by the Free Software Foundation; either
// version 2.1 of the License, or (at your option) any later version.
// This library is distributed in the hope that it will be useful,
// but WITHOUT ANY WARRANTY; without even the implied warranty of
// MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
// Lesser General Public License for more details.
// You should have received a copy of the GNU Lesser General Public
/**
 * <p>
 * Checks that the Javadoc content begins from the same position
 * for all Javadoc comments in the project. Any leading asterisks and spaces
 * are not counted as the beginning of the content and are therefore ignored.
 * </p>
 * <p>
 * It is possible to enforce two different styles:
 * </p>
 * <ul>
 * <li>
 * { @code first_line } - Javadoc content starts from the first line:
 * <pre>
 * &#47; Summary text.
 * * More details.
 * * &#47;
 * public void method();
 * </pre>
 * </li>
 * <li>
 * { @code second_line } - Javadoc content starts from the second line:
 * <pre>
 * &#47; Summary text.
 * * More details.
 * * &#47;
 * public void method();
 * </pre>
 * </li>
```

*

* <p>

* This check does not validate the Javadoc summary itself nor its presence.

* The check will not report any violations for missing or malformed javadoc summary.

* To validate the Javadoc summary use

* SummaryJavadoc check.

* </p>

* <p>

* The Documentation Comment Specification permits leading asterisks on the first line.

* Documentation Comment Specification permits leading asterisks on the first line.

* For these Javadoc comments:

* </p>

* <pre>

* /***

* * Some text.

* */

* /*****

* * Some text.

* */

* /** **

* * Some text.

* */

* </pre>

* <p>

* The documentation generated will be just "Some text." without any asterisks.

* Since these asterisks will not appear in the generated documentation,

* they should not be considered as the beginning of the Javadoc content.

* In such cases, the check assumes that the Javadoc content begins on the second line.

* </p>

*

*

* Property { @code location } - Specify the policy on placement of the Javadoc content.

* Type is { @code com.puppycrawl.tools.checkstyle.checks.javadoc.JavadocContentLocationOption }.

* Default value is { @code second_line }.

*

*

* <p>

* To configure the default check to validate that the Javadoc content starts from the second line:

* </p>

* <pre>

* <module name="JavadocContentLocationCheck"/>

* </pre>

* <p>

* This setting produces a violation for each multi-line comment starting

* on the same line as the initial asterisks:

* </p>

* <pre>

* /** This comment causes a violation because it starts from the first line

```

* * and spans several lines.
* *#47;
* &#47;**
* * This comment is OK because it starts from the second line.
* *#47;
* &#47;** This comment is OK because it is on the single line. *#47;
* </pre>
* <p>
* To ensure that Javadoc content starts from the first line:
* </p>
* <pre>
* &lt;module name="JavadocContentLocationCheck"&gt;
*   &lt;property name="location" value="first_line"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
* This setting produces a violation for each comment not
* starting on the same line as the initial asterisks:
* </p>
* <pre>
* &#47;** This comment is OK because it starts on the first line.
* * There may be additional text.
* *#47;
* &#47;**
* * This comment causes a violation because it starts on the second line.
* *#47;
* &#47;** This single-line comment also is OK. *#47;
* </pre>
* <p>
* Parent is { @code com.puppycrawl.tools.checkstyle.TreeWalker }
* </p>
* <p>
* Violation Message Keys:
* </p>
* <ul>
* <li>
* { @code javadoc.content.first.line }
* </li>
* <li>
* { @code javadoc.content.second.line }
* </li>
* </ul>
*
* @since 8.27
*/

```

Found in path(s):

```
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
```

jar/com/pupppycrawl/tools/checkstyle/checks/javadoc/JavadocContentLocationCheck.java

No license file was found, but licenses were detected in source scan.

```
////////////////////////////////////
// checkstyle: Checks Java source code for adherence to a set of rules.
// Copyright (C) 2001-2021 the original author or authors.
//
// This library is free software; you can redistribute it and/or
// modify it under the terms of the GNU Lesser General Public
// License as published by the Free Software Foundation; either
// version 2.1 of the License, or (at your option) any later version.
//
// This library is distributed in the hope that it will be useful,
// but WITHOUT ANY WARRANTY; without even the implied warranty of
// MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
// Lesser General Public License for more details.
//
// You should have received a copy of the GNU Lesser General Public
// License along with this library; if not, write to the Free Software
// Foundation, Inc., 59 Temple Place, Suite 330, Boston, MA 02111-1307 USA
////////////////////////////////////
```

```
parser grammar JavaLanguageParser;
```

```
options { tokenVocab=JavaLanguageLexer; }
```

```
@parser::members {
```

```
/**
```

```
* This value tracks the depth of a switch expression. Along with the
* IDENT to id rule at the end of the parser, this value helps us
* to know if the "yield" we are parsing is an IDENT, method call, class,
* field, etc. or if it is a java 13+ yield statement. Positive values
* indicate that we are within a (possibly nested) switch expression.
```

```
*/
```

```
private int switchBlockDepth = 0;
```

```
/**
```

```
* Checks if next statement is a yield statement.
```

```
*
```

```
* @return true if next statement is a yield statement.
```

```
*/
```

```
private boolean isYieldStatement() {
```

```
    return _input.LT(1).getType() == JavaLanguageLexer.LITERAL_YIELD && switchBlockDepth > 0;
```

```
}
```

```
}
```

```
compilationUnit
```

```
: packageDeclaration? importDeclaration* typeDeclaration* EOF
```

```

;

packageDeclaration
: annotations[true] LITERAL_PACKAGE qualifiedName SEMI
;

importDeclaration
: IMPORT LITERAL_STATIC? qualifiedName (DOT STAR)? SEMI #importDec
| SEMI #singleSemiImport
;

typeDeclaration
: mods+=modifier*
  type=types[$ctx.mods]
| semi+=SEMI+
;

types[List<ModifierContext> mods]
: classDeclaration[mods]
| enumDeclaration[mods]
| interfaceDeclaration[mods]
| annotationTypeDeclaration[mods]
| recordDeclaration[mods]
;

modifier
: annotation
| LITERAL_PUBLIC
| LITERAL_PROTECTED
| LITERAL_PRIVATE
| LITERAL_STATIC
| ABSTRACT
| LITERAL_DEFAULT
| FINAL
| STRICTFP
| LITERAL_NATIVE
| LITERAL_SYNCHRONIZED
| LITERAL_TRANSIENT
| LITERAL_VOLATILE
| LITERAL_NON_SEALED
| LITERAL_SEALED
;

variableModifier
: FINAL
| annotation
;

```



```

classDeclaration[List<ModifierContext> mods]
  : LITERAL_CLASS id typeParameters?
    classExtends?
    implementsClause?
    permittedSubclassesAndInterfaces?
    classBody
  ;

recordDeclaration[List<ModifierContext> mods]
  : LITERAL_RECORD id typeParameters?
    recordComponentsList
    implementsClause?
    recordBody
  ;

recordComponentsList
  : LPAREN recordComponents? RPAREN
  ;

recordComponents
  : recordComponent (COMMA recordComponent)* (COMMA lastRecordComponent)?
  | lastRecordComponent
  ;

recordComponent
  : annotations[true] type=typeType[true]
    id
  ;

lastRecordComponent
  : annotations[true] type=typeType[true]
    ELLIPSIS id
  ;

recordBody
  : LCURLY recordBodyDeclaration* RCURLY
  ;

recordBodyDeclaration
  : compactConstructorDeclaration
  | classBodyDeclaration
  ;

compactConstructorDeclaration
  : mods+=modifier* id constructorBlock
  ;

```

```

classExtends
  : EXTENDS_CLAUSE type=typeType[false]
  ;

implementsClause
  : LITERAL_IMPLEMENTES typeList
  ;

typeParameters
  : LT typeParameter (COMMA typeParameter)* GT
  ;

typeParameter
  : annotations[false] id typeUpperBounds?
  ;

typeUpperBounds
  : EXTENDS_CLAUSE annotations[false] typeBound
  ;

typeBound
  : typeBoundType (BAND typeBoundType)*
  ;

typeBoundType
  : annotations[false] classOrInterfaceOrPrimitiveType arrayDeclarator*
  ;

enumDeclaration[List<ModifierContext> mods]
  : ENUM id implementsClause?
    enumBody
  ;

enumBody
  : LCURLY enumConstants? COMMA? enumBodyDeclarations? RCURLY
  ;

enumConstants
  : enumConstant (COMMA enumConstant)*
  ;

enumConstant
  : annotations[true] id arguments? classBody?
  ;

enumBodyDeclarations
  : SEMI classBodyDeclaration*
  ;

```

```

interfaceDeclaration[List<ModifierContext> mods]
  : LITERAL_INTERFACE id typeParameters?
  interfaceExtends?
  permittedSubclassesAndInterfaces?
  interfaceBody
  ;

interfaceExtends
  : EXTENDS_CLAUSE typeList
  ;

classBody
  : LCURLY classBodyDeclaration* RCURLY
  ;

interfaceBody
  : LCURLY interfaceBodyDeclaration* RCURLY
  ;

classBodyDeclaration
  : SEMI                                     #emptyClass
  | LITERAL_STATIC? block                    #classBlock
  | mods+=modifier*
    memberDeclaration[(((ClassDefContext) _localctx).mods)] #classDef
  ;

memberDeclaration[List<ModifierContext> mods]
  : recordDeclaration[mods]
  | methodDeclaration[mods]
  | fieldDeclaration[mods]
  | constructorDeclaration[mods]
  | interfaceDeclaration[mods]
  | annotationTypeDeclaration[mods]
  | classDeclaration[mods]
  | enumDeclaration[mods]
  ;

methodDeclaration[List<ModifierContext> mods]
  : typeParams=typeParameters? type=typeType[true] id
  formalParameters (cStyleArrDec+=arrayDeclarator*)
  throwsList?
  methodBody
  ;

methodBody
  : block
  | SEMI

```

```

;

throwsList
: LITERAL_THROWS qualifiedNameList
;

constructorDeclaration[List<ModifierContext> mods]
: typeParameters? id formalParameters
  throwsList? constructorBody=constructorBlock
;

fieldDeclaration[List<ModifierContext> mods]
: type=typeType[true]
  variableDeclarators[$mods, $ctx.type]
  SEMI
;

interfaceBodyDeclaration
: mods+=modifier* interfaceMemberDeclaration[$ctx.mods]
  | SEMI
;

interfaceMemberDeclaration[List<ModifierContext> mods]
: fieldDeclaration[mods]
  | interfaceMethodDeclaration[mods]
  | interfaceDeclaration[mods]
  | annotationTypeDeclaration[mods]
  | classDeclaration[mods]
  | recordDeclaration[mods]
  | enumDeclaration[mods]
;

// Early versions of Java allows brackets after the method name, eg.
// public int[] return2DArray() [] { ... }
// is the same as
// public int[][] return2DArray() { ... }
interfaceMethodDeclaration[List<ModifierContext> mods]
: typeParameters?
  type=typeType[true]
  id formalParameters
  cStyleArrDec+=arrayDeclarator*
  throwsList? methodBody
;

variableDeclarators[List<ModifierContext> mods, TypeTypeContext type]
: variableDeclarator[mods, type] (COMMA variableDeclarator[mods, type])*
;

```

```

variableDeclarator[List<ModifierContext> mods, TypeTypeContext type]
  : id arrayDeclarator* (ASSIGN variableInitializer)?
  ;

variableDeclaratorId[List<VariableModifierContext> mods, ParserRuleContext type]
  : (LITERAL_THIS | (qualifiedName (DOT LITERAL_THIS)?)) arrayDeclarator*
  ;

variableInitializer
  : arrayInitializer
  | expression
  ;

arrayInitializer
  : LCURLY
  (variableInitializer (COMMA variableInitializer)*)? COMMA?
  RCURLY
  ;

classOrInterfaceType[boolean createImaginaryNode]
  : annotations[false] id typeArguments?
  extended+=classOrInterfaceTypeExtended*
  ;

classOrInterfaceTypeExtended
  : DOT annotations[false] id typeArguments?
  ;

typeArgument
  : typeType[false] #simpleTypeArgument
  | annotations[false] QUESTION
  (
    ( upperBound=EXTENDS_CLAUSE | lowerBound=LITERAL_SUPER )
    typeType[false]
  )? #wildCardTypeArgument
  ;

qualifiedNameList
  : annotations[false]
  qualifiedName (COMMA annotations[false] qualifiedName)*
  ;

formalParameters
  : LPAREN formalParameterList? RPAREN
  ;

formalParameterList

```

```

: formalParameter (COMMA formalParameter)* (COMMA lastFormalParameter)?
| lastFormalParameter
;

formalParameter
: mods+=variableModifier* type=typeType[true]
  variableDeclaratorId[$ctx.mods, $ctx.type]
;

lastFormalParameter
: mods+=variableModifier* type=typeType[true] annotations[false]
  ELLIPSIS variableDeclaratorId[$ctx.mods, $ctx.type]
;

qualifiedName
: id extended+=qualifiedNameExtended*
;

qualifiedNameExtended
: DOT annotations[false] id
;

literal
: integerLiteral
| floatLiteral
| textBlockLiteral
| CHAR_LITERAL
| STRING_LITERAL
| LITERAL_TRUE
| LITERAL_FALSE
| LITERAL_NULL
;

integerLiteral
: DECIMAL_LITERAL_LONG
| DECIMAL_LITERAL
| HEX_LITERAL_LONG
| HEX_LITERAL
| OCT_LITERAL_LONG
| OCT_LITERAL
| BINARY_LITERAL_LONG
| BINARY_LITERAL
;

floatLiteral
: DOUBLE_LITERAL
| FLOAT_LITERAL
| HEX_DOUBLE_LITERAL

```

```

| HEX_FLOAT_LITERAL
;

textBlockLiteral
: TEXT_BLOCK_LITERAL_BEGIN TEXT_BLOCK_CONTENT TEXT_BLOCK_LITERAL_END
;

annotations[boolean createImaginaryNode]
: anno+=annotation*
;

annotation
: AT qualifiedName
(LPAREN ( elementValuePairs | elementValue )? RPAREN)?
;

elementValuePairs
: elementValuePair (COMMA elementValuePair)*
;

elementValuePair
: id ASSIGN elementValue
;

elementValue
: expression
| annotation
| elementValueArrayInitializer
;

elementValueArrayInitializer
: LCURLY (elementValue (COMMA elementValue)*)? (COMMA)? RCURLY
;

annotationTypeDeclaration[List<ModifierContext> mods]
: AT LITERAL_INTERFACE id annotationTypeBody
;

annotationTypeBody
: LCURLY (annotationTypeElementDeclaration)* RCURLY
;

annotationTypeElementDeclaration
: mods+=modifier* annotationTypeElementRest[$ctx.mods]
| SEMI // this is not allowed by the grammar, but apparently allowed by the actual compiler
;

annotationTypeElementRest[List<ModifierContext> mods]

```

```

: type=typeType[true]
  ( annotationMethodRest[mods, ((AnnotationFieldContext) _localctx).type]
  | annotationConstantRest[mods, ((AnnotationFieldContext) _localctx).type]
  )
SEMI                                #annotationField
| type=typeType[true] SEMI          #annotationType
| classDeclaration[mods] SEMI?     #annotationType
| recordDeclaration[mods] SEMI?    #annotationType
| interfaceDeclaration[mods] SEMI? #annotationType
| enumDeclaration[mods] SEMI?      #annotationType
| annotationTypeDeclaration[mods] SEMI? #annotationType
;

annotationMethodRest[List<ModifierContext> mods, TypeTypeContext type]
: id LPAREN RPAREN cStyleArrDec+=arrayDeclarator* defaultValue?
;

annotationConstantRest[List<ModifierContext> mods, TypeTypeContext type]
: variableDeclarators[mods, type]
;

defaultValue
: LITERAL_DEFAULT elementValue
;

// STATEMENTS / BLOCKS
constructorBlock
: LCURLY
  explicitConstructorInvocation?
  blockStatement*
  RCURLY
;

explicitConstructorInvocation
: typeArguments?
  (LITERAL_THIS | LITERAL_SUPER)
  arguments SEMI #explicitCtorCall
| expr DOT typeArguments? LITERAL_SUPER arguments SEMI #primaryCtorCall
;

block
: LCURLY blockStatement* RCURLY
;

blockStatement
: {!isYieldStatement()}? localVariableDeclaration SEMI #localVar
| statement #stat
| localTypeDeclaration #localType

```



```

;

localVariableDeclaration
: mods+=modifier* type=typeType[true]
  variableDeclarators[$ctx.mods, $ctx.type]
;

localTypeDeclaration
: mods+=modifier*
  ( classDeclaration[$ctx.mods]
  | enumDeclaration[$ctx.mods]
  | interfaceDeclaration[$ctx.mods]
  | recordDeclaration[$ctx.mods]
  )
| SEMI
;

statement
: blockLabel=block #blockStat
| ASSERT expression (COLON expression)? SEMI #assertExp
| LITERAL_IF parExpression statement elseStat? #ifStat
| LITERAL_FOR forControl statement #forStat
| LITERAL_WHILE parExpression statement #whileStat
| LITERAL_DO statement LITERAL_WHILE parExpression SEMI #doStat
| LITERAL_TRY block (catchClause+ finallyBlock? | finallyBlock) #tryStat
| LITERAL_TRY resourceSpecification block catchClause* finallyBlock? #tryWithResourceStat
| LITERAL_YIELD expression SEMI #yieldStat
| switchExpressionOrStatement #switchStat
| LITERAL_SYNCHRONIZED parExpression block #syncStat
| LITERAL_RETURN expression? SEMI #returnStat
| LITERAL_THROW expression SEMI #throwStat
| LITERAL_BREAK id? SEMI #breakStat
| LITERAL_CONTINUE id? SEMI #continueStat
| SEMI #emptyStat
| statementExpression=expression SEMI #expStat
| id COLON statement #labelStat
;

switchExpressionOrStatement
: LITERAL_SWITCH parExpression LCURLY
  {switchBlockDepth++;}
  switchBlock
  {switchBlockDepth--;}
  RCURLY
;

switchBlock
: switchLabeledRule+ #switchRules

```

```

| groups+=switchBlockStatementGroup* emptyLabels+=switchLabel* #switchBlocks
;

switchLabeledRule
: switchLabeledExpression
| switchLabeledBlock
| switchLabeledThrow
;

switchLabeledExpression
: switchLabel LAMBDA expression SEMI
;

switchLabeledBlock
: switchLabel LAMBDA block
;

switchLabeledThrow
: switchLabel LAMBDA LITERAL_THROW expression SEMI
;

elseStat
: LITERAL_ELSE statement
;

catchClause
: LITERAL_CATCH LPAREN catchParameter RPAREN block
;

catchParameter
: mods+=variableModifier* catchType id
;

catchType
: classOrInterfaceType[false] (BOR classOrInterfaceType[false])*
;

finallyBlock
: LITERAL_FINALLY block
;

resourceSpecification
: LPAREN resources SEMI? RPAREN
;

resources
: resource (SEMI resource)*
;

```

```

resource
  : resourceDeclaration | variableAccess
  ;

resourceDeclaration
  : mods+=variableModifier* type=classOrInterfaceType[true]
    variableDeclaratorId[$ctx.mods, $ctx.type] ASSIGN expression
  ;

variableAccess
  : accessList+=fieldAccessNoIdent* (id | LITERAL_THIS)
  ;

fieldAccessNoIdent
  : expr DOT
  ;

/**
 * Matches cases then statements, both of which are mandatory.
 * To handle empty cases at the end, we add switchLabel* to statement.
 */
switchBlockStatementGroup
  : switchLabel+ slists+=blockStatement+
  ;

switchLabel
  : LITERAL_CASE caseConstants COLON?           #caseLabel
  | LITERAL_DEFAULT COLON?                     #defaultLabel
  ;

caseConstants
  : expression (COMMA expression)*
  ;

forControl
  : LPAREN enhancedForControl RPAREN           #enhancedFor
  | LPAREN forInit? SEMI forCond=expression?
    SEMI forUpdate=expressionList? RPAREN     #forFor
  ;

forInit
  : localVariableDeclaration
  | expressionList
  ;

enhancedForControl
  : mods+=variableModifier* type=typeType[true]

```

```

    variableDeclaratorId[$ctx.mods, $ctx.type] COLON expression
;

// EXPRESSIONS

parExpression
: LPAREN expression RPAREN
;

expressionList
: startExp=expression (COMMA expression)*
;

// We will use this rule to make sure that we have an EXPR node
// at the top of all expression subtrees.
expression
: expr
;

expr
: primary #primaryExp
| expr bop=DOT id #refOp
| expr bop=DOT id LPAREN expressionList? RPAREN #methodCall
| expr bop=DOT LITERAL_THIS #thisExp
| expr bop=DOT LITERAL_NEW nonWildcardTypeArguments?
innerCreator #initExp
| expr bop=DOT nonWildcardTypeArguments?
LITERAL_SUPER superSuffix? #superExp
| expr bop=DOT
nonWildcardTypeArguments
id LPAREN expressionList? RPAREN #invOp
| expr LBRACK expr RBRACK #indexOp
| id LPAREN expressionList? RPAREN #simpleMethodCall
| LITERAL_NEW creator #newExp
| expr postfix=(INC | DEC) #postfix
| prefix=(PLUS | MINUS | INC | DEC) expr #prefix
| prefix=(BNOT | LNOT) expr #prefix
| expr DOUBLE_COLON typeArguments? (id | LITERAL_NEW) #methodRef
| typeType[false] DOUBLE_COLON typeArguments? (id | LITERAL_NEW) #methodRef
| classType DOUBLE_COLON typeArguments? LITERAL_NEW #methodRef
| LPAREN typeCastParameters RPAREN expr #castExp
| expr bop=(STAR | DIV | MOD) expr #binOp
| expr bop=(PLUS|MINUS) expr #binOp
// handle bitwise shifts below, not in lexer
| expr (LT LT | GT GT GT | GT GT) expr #bitShift
| expr bop=LITERAL_INSTANCEOF (patternDefinition | typeType[true]) #instanceOfExp
| expr bop=(LE | GE | GT | LT) expr #binOp
| expr bop=(EQUAL | NOT_EQUAL) expr #binOp

```

```

| expr bop=BAND expr                #binOp
| expr bop=BXOR expr                #binOp
| expr bop=BOR expr                 #binOp
| expr bop=LAND expr                #binOp
| expr bop=LOR expr                 #binOp
| <assoc=right> expr bop=QUESTION expr COLON expr        #ternaryOp
| <assoc=right> expr
  bop=(ASSIGN | PLUS_ASSIGN | MINUS_ASSIGN | STAR_ASSIGN | DIV_ASSIGN
    | BAND_ASSIGN | BOR_ASSIGN | BXOR_ASSIGN | SR_ASSIGN | BSR_ASSIGN
    | SL_ASSIGN | MOD_ASSIGN)
  expr                                #binOp
| lambdaExpression                   #lambdaExp
;

```

```

typeCastParameters
: typeType[true] (BAND typeType[true])*
;

```

```

// Java8
lambdaExpression
: lambdaParameters LAMBDA lambdaBody
;

```

```

// Java8
lambdaParameters
: id                                #singleLambdaParam
| LPAREN formalParameterList? RPAREN    #formalLambdaParam
| LPAREN multiLambdaParams RPAREN      #multiLambdaParam
;

```

```

multiLambdaParams
: id (COMMA id)*
;

```

```

// Java8
lambdaBody
: expression
| block
;

```

```

primary
: switchExpressionOrStatement        #switchPrimary
| LPAREN expr RPAREN                #parenPrimary
| LITERAL_THIS                       #tokenPrimary
| LITERAL_SUPER                      #tokenPrimary
| literal                            #literalPrimary
| id                                  #tokenPrimary
| type=classOrInterfaceType[false] arrayDeclarator*

```

```

    DOT LITERAL_CLASS                                #classRefPrimary
  | type=primitiveType arrayDeclarator*
    DOT LITERAL_CLASS                                #primitivePrimary
  ;

classType
  : (classOrInterfaceType[false] DOT)? annotations[false] id typeArguments?
  ;

creator
  : nonWildcardTypeArguments createdName classCreatorRest
  | annotations[false] createdName
    (annotations[false] arrayCreatorRest | classCreatorRest)
  ;

createdName
  : annotations[false] id typeArgumentsOrDiamond?
    extended+=createdNameExtended*                    #createdNameObject
  | primitiveType                                    #createdNamePrimitive
  ;

createdNameExtended
  : DOT annotations[false] id typeArgumentsOrDiamond?
  ;

innerCreator
  : annotations[false] id nonWildcardTypeArgumentsOrDiamond? classCreatorRest
  ;

arrayCreatorRest
  : LBRACK
    ( RBRACK arrayDeclarator* arrayInitializer
    | expression RBRACK bracketsWithExp* arrayDeclarator*
    )
  ;

bracketsWithExp
  : annotations[false] LBRACK expression RBRACK
  ;

classCreatorRest
  : arguments classBody?
  ;

typeArgumentsOrDiamond
  : LT GT                                             #diamond
  | typeArguments                                    #typeArgs
  ;

```

```

nonWildcardTypeArgumentsOrDiamond
  : LT GT                                #nonWildcardDiamond
  | nonWildcardTypeArguments             #nonWildcardTypeArgs
  ;

nonWildcardTypeArguments
  : LT typeArgumentsTypeList GT
  ;

// As we build a different AST for `TYPE_ARGUMENTS` than we do for simple type list
// (used in `IMPLEMENTS` and elsewhere), we have two separate rules, 'typeArgumentsTypeList'
// and 'typeList' for what is syntactically the same construct. This keeps the visitor
// implementation simpler.
typeArgumentsTypeList
  : typeType[false] (COMMA typeType[false])*
  ;

typeList
  : typeType[false] (COMMA typeType[false])*
  ;

typeType[boolean createImaginaryNode]
  : annotations[false] classOrInterfaceOrPrimitiveType arrayDeclarator*
  ;

classOrInterfaceOrPrimitiveType
  : (classOrInterfaceType[false] | primitiveType)
  ;

arrayDeclarator
  : anno=annotations[false] LBRACK RBRACK
  ;

primitiveType
  : LITERAL_BOOLEAN
  | LITERAL_CHAR
  | LITERAL_BYTE
  | LITERAL_SHORT
  | LITERAL_INT
  | LITERAL_LONG
  | LITERAL_FLOAT
  | LITERAL_DOUBLE
  | LITERAL_VOID
  ;

typeArguments
  : LT typeArgument (COMMA typeArgument)* GT

```

```

;

superSuffix
  : LPAREN expressionList? RPAREN                    #superSuffixSimple
  | DOT id (LPAREN expressionList? RPAREN)?         #superSuffixDot
;

arguments
  : LPAREN expressionList? RPAREN
;

patternDefinition
  : patternVariableDefinition
;

patternVariableDefinition
  : mods+=modifier* type=typeType[true] id
;

permittedSubclassesAndInterfaces
  : LITERAL_PERMITS classOrInterfaceType[false] (COMMA classOrInterfaceType[false])*
;

// Handle the 'keyword as identifier' problem
id : LITERAL_RECORD
  | LITERAL_YIELD
  | LITERAL_NON_SEALED
  | LITERAL_SEALED
  | LITERAL_PERMITS
  | IDENT
;

```

Found in path(s):

```

* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/grammar/java/JavaLanguageParser.g4

```

No license file was found, but licenses were detected in source scan.

```

// This library is free software; you can redistribute it and/or
// modify it under the terms of the GNU Lesser General Public
// License as published by the Free Software Foundation; either
// version 2.1 of the License, or (at your option) any later version.
// This library is distributed in the hope that it will be useful,
// but WITHOUT ANY WARRANTY; without even the implied warranty of
// MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
// Lesser General Public License for more details.
// You should have received a copy of the GNU Lesser General Public

```

Found in path(s):

* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/indentation/PackageDefHandler.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/api/FullIdent.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/naming/PatternVariableNameCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/filters/XpathFilterElement.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/blocks/EmptyCatchBlockCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/sizes/FileLengthCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/api/BeforeExecutionFileFilter.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/indentation/BlockParentHandler.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/filters/SuppressionCommentFilter.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/javadoc/JavadocTags.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/whitespace/SingleSpaceSeparatorCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/coding/IllegalTypeCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/whitespace/FileTabCharacterCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/filters/IntRangeFilterElement.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/indentation/MethodDefHandler.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/javadoc/Utils/InlineTagUtil.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/Utils/CheckUtil.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/blocks/AvoidNestedBlocksCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/indentation/IndentationCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/regexp/MatchSuppressor.java
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/coding/MatchXPathCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/gui/MainFrame.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/filters/CsvFilterElement.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/javadoc/JavadocStyleCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/NewlineAtEndOfFileCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/javadoc/JavadocBlockTagLocationCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/LineSeparatorOption.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/PackageObjectFactory.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/sizes/ExecutableStatementCountCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/api/LineColumn.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/javadoc/TagParser.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/coding/NoFinalizerCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/whitespace/OperatorWrapCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/filters/IntMatchFilterElement.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/sizes/RecordComponentNumberCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/Utils/FilterUtil.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/NoCodeInFileCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-jar/com/puppycrawl/tools/checkstyle/checks/coding/UnnecessarySemicolonAfterTypeMemberDeclarationCheck.java
a
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-

jar/com/puppycrawl/tools/checkstyle/checks/imports/AbstractImportControl.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/XMLLogger.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/XpathFileGeneratorAstFilter.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/coding/IllegalCatchCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/gui/ListToTreeSelectionModelWrapper.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/naming/IllegalIdentifierNameCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/coding/EmptyStatementCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/metrics/CyclomaticComplexityCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/sizes/AnonInnerLengthCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/metrics/BooleanExpressionComplexityCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/whitespace/WhitespaceAroundCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/whitespace/EmptyForIteratorPadCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/indentation/HandlerFactory.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/naming/CatchParameterNameCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/StatelessCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/imports/ImportControlLoader.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/gui/MainFrameModel.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/coding/VariableDeclarationUsageDistanceCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-

jar/com/puppycrawl/tools/checkstyle/checks/TrailingCommentCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/indentation/LambdaHandler.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/PropertiesExpander.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/coding/AvoidDoubleBraceInitializationCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/DefaultLogger.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/coding/UnnecessarySemicolonAfterOuterTypeDeclarationCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/naming/PackageNameCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/imports/ImportOrderCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/whitespace/NoWhitespaceAfterCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/blocks/RightCurlyCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/Utils/XpathUtil.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/modifier/ClassMemberImpliedModifierCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/grammar/package-info.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/AstTreeStringPrinter.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/whitespace/ParenPadCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-

jar/com/puppycrawl/tools/checkstyle/grammar/CrAwareLexerSimulator.java
 * /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
 jar/com/puppycrawl/tools/checkstyle/checks/coding/NestedForDepthCheck.java
 * /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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 * /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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 * /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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 * /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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 * /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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 * /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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 * /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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 * /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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 * /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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 * /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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 * /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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 * /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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 * /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
 jar/com/puppycrawl/tools/checkstyle/checks/indentation/WhileHandler.java
 * /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
 jar/com/puppycrawl/tools/checkstyle/api/FileContents.java
 * /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
 jar/com/puppycrawl/tools/checkstyle/checks/indentation/TryHandler.java
 * /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
 jar/com/puppycrawl/tools/checkstyle/checks/javadoc/JavadocTagContinuationIndentationCheck.java
 * /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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 * /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
 jar/com/puppycrawl/tools/checkstyle/ant/package-info.java
 * /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
 jar/com/puppycrawl/tools/checkstyle/checks/coding/OverloadMethodsDeclarationOrderCheck.java
 * /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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 * /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
 jar/com/puppycrawl/tools/checkstyle/package-info.java
 * /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-

jar/com/puppcrawl/tools/checkstyle/checks/indentation/ForHandler.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/api/Scope.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/meta/ModuleType.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/whitespace/EmptyForInitializerPadCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/javadoc/NonEmptyAtclauseDescriptionCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/imports/PkgImportRule.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/coding/NestedIfDepthCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/naming/AbstractNameCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/Utils/ModuleReflectionUtil.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-

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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/gui/package-info.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/javadoc/JavadocParagraphCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/javadoc/RequireEmptyLineBeforeBlockTagGroupCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/api/TextBlock.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/whitespace/MethodParamPadCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/OrderedPropertiesCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/gui/Main.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/regexp/package-info.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/annotation/AnnotationLocationCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/javadoc/JavadocVariableCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/api/AutomaticBean.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/blocks/LeftCurlyCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/api/FilterSet.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/naming/ClassTypeParameterNameCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/modifier/InterfaceMemberImpliedModifierCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/indentation/DetailAstSet.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/imports/package-info.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-

jar/com/puppcrawl/tools/checkstyle/checks/whitespace/AbstractParenPadCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/coding/MultipleStringLiteralsCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/imports/AccessResult.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/whitespace/WrapOption.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/gui/TreeTableModelAdapter.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/coding/ExplicitInitializationCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/indentation/SwitchRuleHandler.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/coding/FallThroughCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/coding/ReturnCountCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/imports/AbstractImportRule.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/api/AbstractFileSetCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/filters/SuppressWithPlainTextCommentFilter.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/coding/UnnecessarySemicolonInEnumerationCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/xpath/RootNode.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/blocks/BlockOption.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/javadoc/JavadocTagInfo.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/indentation/MemberDefHandler.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/meta/XmlMetaWriter.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/sizes/LineLengthCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/javadoc/JavadocMissingWhitespaceAfterAsteriskCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/coding/MissingCtorCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/api/SeverityLevelCounter.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/api/Configurable.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/api/AbstractCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-

jar/com/puppcrawl/tools/checkstyle/JavadocPropertiesGenerator.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/api/Violation.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/blocks/EmptyBlockCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/gui/TreeTable.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/meta/MetadataGeneratorUtil.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/utils/CommonUtil.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/filters/SuppressWithNearbyCommentFilter.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/ModuleFactory.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/xpath/AttributeNode.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/whitespace/SeparatorWrapCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/metrics/NPathComplexityCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/indentation/ArrayInitHandler.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/utils/ParserUtil.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/api/package-info.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/indentation/IndexHandler.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/design/ThrowsCountCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/TreeWalkerFilter.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/javadoc/InvalidJavadocPositionCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/JavadocDetailNodeParser.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/design/OneTopLevelClassCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/Checker.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/DefaultContext.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/coding/ArrayTrailingCommaCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/api/SeverityLevel.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-

jar/com/puppcrawl/tools/checkstyle/checks/indentation/SynchronizedHandler.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/meta/ModulePropertyDetails.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/coding/RequireThisCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/SuppressionsStringPrinter.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/javadoc/Utils/package-info.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/whitespace/NoLineWrapCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/coding/MagicNumberCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/whitespace/PadOption.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/gui/ParseTreeTableModel.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/sizes/MethodLengthCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/regexp/RegexpSinglelineCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/api/AuditListener.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/FileStatefulCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/javadoc/JavadocTag.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/regexp/SinglelineDetector.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/coding/AvoidNoArgumentSuperConstructorCallCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/coding/ModifiedControlVariableCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/coding/NoCloneCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/api/FileText.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/javadoc/SummaryJavadocCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/indentation/LineWrappingHandler.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/indentation/AbstractExpressionHandler.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/coding/DeclarationOrderCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/annotation/AnnotationOnSameLineCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-

jar/com/puppycrawl/tools/checkstyle/api/Filter.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/api/JavadocTokenTypes.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/utils/AnnotationUtil.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/meta/MetadataGenerationException.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/coding/SimplifyBooleanReturnCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/blocks/package-info.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/coding/NestedTryDepthCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/coding/IllegalTokenTextCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/gui/CodeSelector.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/whitespace/NoWhitespaceBeforeCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/javadoc/JavadocNodeImpl.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/gui/TreeTableCellRenderer.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/naming/LocalVariableNameCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/javadoc/utils/TagInfo.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/checks/imports/PkgImportControl.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppycrawl/tools/checkstyle/filefilters/BeforeExecutionExclusionFileFilter.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-

jar/com/puppcrawl/tools/checkstyle/XMLoader.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/imports/MismatchStrategy.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/javadoc/AtclauseOrderCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/api/DetailAST.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
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* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/metrics/AbstractClassCouplingCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/metrics/ClassDataAbstractionCouplingCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/javadoc/JavadocMissingLeadingAsteriskCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/filters/IntFilterElement.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/UpperEllCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/coding/SuperFinalizeCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/naming/AbstractAccessControlNameCheck.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/PropertyCacheFile.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/metrics/package-info.java
* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/coding/NoEnumTrailingCommaCheck.java
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/**
 * <p>
 * Checks the header of a source file against a header that contains a
 * <a href="https://docs.oracle.com/en/java/javase/11/docs/api/java.base/java/util/regex/Pattern.html">
 * regular expression</a> for each line of the source header.
 * </p>
 * <p>
 * Rationale: In some projects <a href="https://checkstyle.org/config_header.html#Header">
 * checking against a fixed header</a> is not sufficient, e.g. the header might
 * require a copyright line where the year information is not static.
 * </p>
 * <p>
 * For example, consider the following header:
 * </p>
 * <pre>
 * line 1: ^{71}$
 * line 2: ^// checkstyle:$
 * line 3: ^// Checks Java source code for adherence to a set of rules\.$
 * line 4: ^// Copyright \(C\) \d\d\d\d Oliver Burn$
 * line 5: ^// Last modification by \$Author.*\$$
 * line 6: ^{71}$
 * line 7:
 * line 8: ^package
 * line 9:
 * line 10: ^import
 * line 11:
 * line 12: ^\*\*
 * line 13: ^\*\*([^\$])
 * line 14: ^\*\*&#47;
 * </pre>
 * <p>
 * Lines 1 and 6 demonstrate a more compact notation for 71 '/' characters.
 * Line 4 enforces that the copyright notice includes a four digit year.
 * Line 5 is an example how to enforce revision control keywords in a file header.
 * Lines 12-14 is a template for javadoc (line 13 is so complicated to remove
 * conflict with and of javadoc comment). Lines 7, 9 and 11 will be treated
 * as '^$' and will forcefully expect the line to be empty.
 * </p>
 * <p>
 * Different programming languages have different comment syntax rules,

```

* but all of them start a comment with a non-word character.

* Hence you can often use the non-word character class to abstract away

* the concrete comment syntax and allow checking the header for different

* languages with a single header definition. For example, consider the following

* header specification (note that this is not the full Apache license header):

```

* </p>
* <pre>
* line 1: ^#!
* line 2: ^&lt;\?xml.*&gt;$
* line 3: ^\W*$
* line 4: ^\W*Copyright 2006 The Apache Software Foundation or its licensors, as applicable\.$
* line 5: ^\W*Licensed under the Apache License, Version 2\.\0 \((the "License")\);$
* line 6: ^\W*$
* </pre>
* <p>
* Lines 1 and 2 leave room for technical header lines, e.g. the "#!/bin/sh"
* line in Unix shell scripts, or the XML file header of XML files.
* Set the multiline property to "1, 2" so these lines can be ignored for
* file types where they do not apply. Lines 3 through 6 define the actual header content.
* Note how lines 2, 4 and 5 use escapes for characters that have special regexp semantics.
* </p>
* <p>
* In default configuration, if header is not specified, the default value
* of header is set to null and the check does not rise any violations.
* </p>
* <ul>
* <li>
* Property { @code headerFile } - Specify the name of the file containing the required header.
* Type is { @code java.net.URI }.
* Default value is { @code null }.
* </li>
* <li>
* Property { @code charset } - Specify the character encoding to use when reading the headerFile.
* Type is { @code java.lang.String }.
* Default value is { @code the charset property of the parent
* <a href="https://checkstyle.org/config.html#Checker">Checker</a> module }.
* </li>
* <li>
* Property { @code header } - Define the required header specified inline.
* Individual header lines must be separated by the string { @code "\n" }
* (even on platforms with a different line separator).
* For header lines containing { @code "\n\n" } checkstyle will
* forcefully expect an empty line to exist. See examples below.
* Regular expressions must not span multiple lines.
* Type is { @code java.lang.String }.
* Default value is { @code null }.
* </li>
* <li>

```

- * Property { @code multiLines } - Specify the line numbers to repeat (zero or more times).
- * Type is { @code int[] }.
- * Default value is { @code "" }.

- *
- * Property { @code fileExtensions } - Specify the file type extension of files to process.
- * Type is { @code java.lang.String[] }.
- * Default value is { @code "" }.

<p>

- * To configure the check such that no violations arise.
- * Default values of properties are used.

</p>

```
<pre>
<module name="RegexpHeader">

```

</pre>

<p>

- * To configure the check to use header file { @code "config/java.header" } and
- * { @code 10 } and { @code 13 } multi-lines:

</p>

```
<pre>
<module name="RegexpHeader">
  <property name="headerFile" value="config/java.header">
  <property name="multiLines" value="10, 13">
</module>

```

</pre>

<p>

- * To configure the check to verify that each file starts with the header

</p>

```
<pre>
^// Copyright \(C\) (\d\d\d\d -)? 2004 MyCompany$
^// All rights reserved$

```

</pre>

<p>

- * without the need for an external header file:

</p>

```
<pre>
<module name="RegexpHeader">
  <property
    name="header"
    value="^// Copyright \(C\) (\d\d\d\d -)? 2004 MyCompany$
  \n^// All rights reserved$"/>
</module>

```

</pre>

<p>

- * For regex containing { @code "\n\n" }

</p>

```

* <pre>
* &lt;module name="RegexHeader"&gt;
*   &lt;property
*     name="header"
*     value="^package .*\n\n.*"/&gt;
* &lt;/module&gt;
* </pre>
* <p>
* { @code "\n\n" } will be treated as '^$' and will forcefully expect the line
* to be empty. For example -
* </p>
* <pre>
* package com.some.package;
* public class ThisWillFail { }
* </pre>
* <p>
* would fail for the regex above. Expected -
* </p>
* <pre>
* package com.some.package;
*
* public class ThisWillPass { }
* </pre>
* <p>
* <u>Note</u>: { @code ignoreLines } property has been removed from this check to simplify it.
* To make some line optional use "^.*$" regex for this line.
* </p>
* <p>
* Parent is { @code com.puppcrawl.tools.checkstyle.Checker }
* </p>
* <p>
* Violation Message Keys:
* </p>
* <ul>
* <li>
* { @code header.mismatch }
* </li>
* <li>
* { @code header.missing }
* </li>
* </ul>
*
* @since 6.9
*/

```

Found in path(s):

```

* /opt/cola/permits/1340816474_1654719639.8705432/0/checkstyle-9-0-1-sources-
jar/com/puppcrawl/tools/checkstyle/checks/header/RegexHeaderCheck.java

```

1.58 jooq 3.16.4

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1.59 reflections 0.9.12

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1.60 functionality-for-the-reactor-netty-library

1.0.17

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1.16.3

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* /opt/cola/permits/1340815906_1654854212.4441752/0/database-commons-1-16-3-sources-jar/org/testcontainers/ext/ScriptUtils.java

1.62 flexmark-java-collection-utilities 0.62.2

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* /opt/cola/permits/1340815943_1654860132.9477246/0/flexmark-util-collection-0-62-2-sources-jar/com/vladsch/flexmark/util/collection/iteration/ArrayIterable.java

1.63 netty/resolver/dns/classes/macros

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* /opt/cola/permits/1337069746_1654119271.7835605/0/netty-resolver-dns-classes-macos-4-1-75-final-sources-4-jar/META-INF/maven/io.netty/netty-resolver-dns-classes-macos/pom.xml
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* /opt/cola/permits/1337069746_1654119271.7835605/0/netty-resolver-dns-classes-macos-4-1-75-final-sources-4-jar/io/netty/resolver/dns/macos/MacOSDnsServerAddressStreamProvider.java
* /opt/cola/permits/1337069746_1654119271.7835605/0/netty-resolver-dns-classes-macos-4-1-75-final-sources-4-jar/io/netty/resolver/dns/macos/DnsResolver.java
```

1.64 flyway-core 7.10.0

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```
* /opt/cola/permits/1340816069_1654719644.0209818/0/flyway-core-7-10-0-sources-
jar/org/flywaydb/core/internal/database/oracle/OracleDatabaseType.java
* /opt/cola/permits/1340816069_1654719644.0209818/0/flyway-core-7-10-0-sources-
jar/org/flywaydb/core/internal/database/sqlite/SQLiteConnection.java
* /opt/cola/permits/1340816069_1654719644.0209818/0/flyway-core-7-10-0-sources-
jar/org/flywaydb/core/internal/jdbc/PlainExecutionTemplate.java
* /opt/cola/permits/1340816069_1654719644.0209818/0/flyway-core-7-10-0-sources-
jar/org/flywaydb/core/internal/util/FileCopyUtils.java
* /opt/cola/permits/1340816069_1654719644.0209818/0/flyway-core-7-10-0-sources-
jar/org/flywaydb/core/internal/database/cockroachdb/CockroachDBTable.java
* /opt/cola/permits/1340816069_1654719644.0209818/0/flyway-core-7-10-0-sources-
jar/org/flywaydb/core/internal/command/DbClean.java
* /opt/cola/permits/1340816069_1654719644.0209818/0/flyway-core-7-10-0-sources-
jar/org/flywaydb/core/internal/logging/package-info.java
* /opt/cola/permits/1340816069_1654719644.0209818/0/flyway-core-7-10-0-sources-
jar/org/flywaydb/core/internal/jdbc/package-info.java
* /opt/cola/permits/1340816069_1654719644.0209818/0/flyway-core-7-10-0-sources-
jar/org/flywaydb/core/internal/parser/PositionTracker.java
* /opt/cola/permits/1340816069_1654719644.0209818/0/flyway-core-7-10-0-sources-
jar/org/flywaydb/core/internal/database/hsqldb/package-info.java
* /opt/cola/permits/1340816069_1654719644.0209818/0/flyway-core-7-10-0-sources-
jar/org/flywaydb/core/internal/database/saphana/package-info.java
* /opt/cola/permits/1340816069_1654719644.0209818/0/flyway-core-7-10-0-sources-
jar/org/flywaydb/core/internal/logging/apachecommons/package-info.java
```

* /opt/cola/permits/1340816069_1654719644.0209818/0/flyway-core-7-10-0-sources-jar/org/flywaydb/core/internal/database/oracle/OracleTable.java

* /opt/cola/permits/1340816069_1654719644.0209818/0/flyway-core-7-10-0-sources-jar/org/flywaydb/core/Flyway.java

* /opt/cola/permits/1340816069_1654719644.0209818/0/flyway-core-7-10-0-sources-jar/org/flywaydb/core/internal/resource/gcs/GCSResource.java

* /opt/cola/permits/1340816069_1654719644.0209818/0/flyway-core-7-10-0-sources-jar/org/flywaydb/core/internal/database/sybasease/SybaseASEJTDSDatabaseType.java

* /opt/cola/permits/1340816069_1654719644.0209818/0/flyway-core-7-10-0-sources-jar/org/flywaydb/core/internal/sqlscript/ParsedSqlStatement.java

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* /opt/cola/permits/1340816069_1654719644.0209818/0/flyway-core-7-10-0-sources-jar/org/flywaydb/core/internal/configuration/ConfigUtils.java
* /opt/cola/permits/1340816069_1654719644.0209818/0/flyway-core-7-10-0-sources-jar/org/flywaydb/core/internal/jdbc/TransactionalExecutionTemplate.java
* /opt/cola/permits/1340816069_1654719644.0209818/0/flyway-core-7-10-0-sources-jar/org/flywaydb/core/internal/database/mysql/MySQLDatabaseType.java
* /opt/cola/permits/1340816069_1654719644.0209818/0/flyway-core-7-10-0-sources-jar/org/flywaydb/core/internal/database/derby/package-info.java
* /opt/cola/permits/1340816069_1654719644.0209818/0/flyway-core-7-10-0-sources-jar/org/flywaydb/core/internal/database/cockroachdb/CockroachDBConnection.java
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* /opt/cola/permits/1340816069_1654719644.0209818/0/flyway-core-7-10-0-sources-jar/META-INF/maven/org.flywaydb/flyway-core/pom.xml

1.65 junit5 4.2.10

1.65.1 Available under license :

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1.66 junit-5-bill-of-materials 5.8.2

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```
import java.io.File
import java.net.URI
```

```
data class License(val name: String, val url: URI, val headerFile: File)
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    =====
```

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* /opt/cola/permits/1340816099_1654860760.566453/0/kubernetes-model-policy-5-12-1-sources-jar/manifest.vm

1.68 fabric8-::-kubernetes-model-::-batch

5.12.1

1.68.1 Available under license :

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Found in path(s):

* /opt/cola/permits/1340815699_1654860935.2749178/0/kubernetes-model-batch-5-12-1-sources-jar/manifest.vm

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-->

Found in path(s):

* /opt/cola/permits/1340815699_1654860935.2749178/0/kubernetes-model-batch-5-12-1-sources-jar/META-INF/maven/io.fabric8/kubernetes-model-batch/pom.xml

1.69 h2 2.1.210

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* Initial Developer: Alessandro Ventura
*/

Found in path(s):

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/security/auth/DefaultAuthenticator.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/security/auth/H2AuthConfig.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/security/auth/AuthConfigException.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/security/auth/Configurable.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/security/auth/ConfigProperties.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/security/auth/AuthenticationException.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/security/auth/AuthenticatorFactory.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/security/auth/impl/LdapCredentialsValidator.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/security/auth/UserToRolesMapperConfig.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/security/auth/impl/AssignRealmNameRole.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/security/auth/impl/StaticUserCredentialsValidator.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/security/auth/Authenticator.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/security/auth/H2AuthConfigXml.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/security/auth/impl/JaasCredentialsValidator.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/api/UserToRolesMapper.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/security/auth/AuthenticationInfo.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/security/auth/RealmConfig.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/security/auth/HasConfigProperties.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/security/auth/PropertyConfig.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/api/CredentialsValidator.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/security/auth/impl/StaticRolesMapper.java

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* Initial Developer: Lazarev Nikita <lazarevn@ispras.ru>
*/

Found in path(s):

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/value/ValueJson.java

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* Initial Developer: Jan Kotek
*/

Found in path(s):

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/util/CacheSecondLevel.java

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Found in path(s):

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-
jar/org/h2/jdbcx/JdbcConnectionPool.java

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Found in path(s):

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/jdbc/JdbcConnection.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-
jar/org/h2/jdbc/JdbcDatabaseMetaDataBackwardsCompat.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/value/ValueLob.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-
jar/org/h2/store/LobStorageRemoteInputStream.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-
jar/org/h2/expression/condition/ConditionAndOrN.java

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*
* The variable size number format code is a port from SQLite,
* but stored in reverse order (least significant bits in the first byte).

*/

Found in path(s):

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/store/Data.java

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* Initial Developer: Jason Brittain (jason.brittain at gmail.com)

*/

Found in path(s):

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-

jar/org/h2/mode/FunctionsMySQL.java

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* Initial Developer: H2 Group

* Iso8601: Initial Developer: Robert Rathsack (firstName dot lastName at gmx

* dot de)

*/

Found in path(s):

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/util/DateTimeUtils.java

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* Initial Developer: Daniel Gredler

*/

Found in path(s):

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-

jar/org/h2/expression/function/ToCharFunction.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-

jar/org/h2/mode/ToDateTokenizer.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/mode/ToDateParser.java

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* Initial Developer: H2 Group

*

* According to a mail from Alan Tucker to Chris H Miller from IBM,
* the algorithm is in the public domain:
*
* Date: 2010-07-15 15:57
* Subject: Re: Applied Combinatorics Code
*
* Chris,
* The combinatorics algorithms in my textbook are all not under patent
* or copyright. They are as much in the public domain as the solution to any
* common question in an undergraduate mathematics course, e.g., in my
* combinatorics course, the solution to the problem of how many arrangements
* there are of the letters in the word MATHEMATICS. I appreciate your due
* diligence.
* -Alan
*/

Found in path(s):

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/util/Permutations.java
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* Initial Developer: H2 Group
*/
/**
* Converts a value to a LocalDate.
*
* This method should only be called from Java 8 or later version.
*
* @param value
* the value to convert
* @param provider
* the cast information provider
* @return the LocalDate
*/

Found in path(s):

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/util/JSR310Utils.java
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/*
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*
* This code is based on the LZF algorithm from Marc Lehmann. It is a
* re-implementation of the C code:
* http://cvs.schmorp.de/liblzf/lzf_c.c?view=markup

* http://cvs.schmorp.de/liblzf/lzf_d.c?view=markup

*

* According to a mail from Marc Lehmann, it's OK to use his algorithm:

* Date: 2010-07-15 15:57

* Subject: Re: Question about LZF licensing

* ...

* The algorithm is not copyrighted (and cannot be copyrighted afaik) - as long

* as you wrote everything yourself, without copying my code, that's just fine

* (looking is of course fine too).

* ...

*

* Still I would like to keep his copyright info:

*

* Copyright (c) 2000-2005 Marc Alexander Lehmann <schmorp@schmorp.de>

* Copyright (c) 2005 Oren J. Maurice <oymaurice@hazorea.org.il>

*

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*/

Found in path(s):

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-
jar/org/h2/compress/CompressLZF.java

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*/

Found in path(s):

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/engine/SettingsBase.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/command/dml/AlterDomainExpressions.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/bnf/BnfVisitor.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/server/pg/PgServerThread.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/expression/Operation0.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/store/DataReader.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/message/TraceObject.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/util/json/JSONNull.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/expression/function/XMLFunction.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/api/Trigger.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/expression/condition/BetweenPredicate.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/expression/function/CryptFunction.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/jdbc/JdbcSQLException.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/mode/FunctionsMSSQLServer.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/command/dml/DropRole.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/mvstore/Page.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/expression/ExpressionList.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/store/RangeInputStream.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/expression/aggregate/AggregateType.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/index/IndexCondition.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/jdbc/JdbcSQLExceptionTimeoutException.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/util/json/JSONValidationTarget.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/util/ScriptReader.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/expression/function/NamedExpression.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/expression/aggregate/AggregateDataBinarySet.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/result/ResultColumn.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/command/dml/SetSessionCharacteristics.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/command/ddl/AlterSequence.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/result/FetchedResult.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/mvstore/type/ByteArrayDataType.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/command/ddl/CommandWithColumns.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/constraint/ConstraintUnique.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/api/Aggregate.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/table/VirtualConstructedTable.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/schema/MetaSchema.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/command/ddl/CreateSequence.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/value/DataType.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/jmx/DocumentedMBean.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/command/ddl/CreateAggregate.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/compress/Compressor.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/jdbc/meta/DatabaseMetaRemote.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/mvstore/tx/Record.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/command/ddl/CreateConstant.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/value/CompareModeDefault.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/store/FileStoreOutputStream.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/mvstore/Chunk.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/util/CacheObject.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/table/DataChangeDeltaTable.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/tools/Upgrade.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/expression/SimpleCase.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/util/SmallMap.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/engine/Engine.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/expression/function/table/LinkSchemaFunction.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/command/ddl/DropSchema.java
* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/command/dml/Help.java

* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/table/TableValueConstructorTable.java

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* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-
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* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-
jar/org/h2/expression/aggregate/AggregateDataCorr.java
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*
* Nicolas Fortin, Atelier SIG, IRSTV FR CNRS 24888
* Support for the operator "&&" as an alias for SPATIAL_INTERSECTS
*/

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* Initial Developer: Robert Rathsack (firstName dot lastName at gmx dot de)
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* /opt/cola/permits/1337069566_1654119295.1669898/0/h2-2-1-210-sources-1-jar/org/h2/util/CloseWatcher.java

1.70 support 4.2.10

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jar/org/aspectj/weaver/TypeVariable.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/TypeFactory.java

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jar/org/aspectj/weaver/ast/HasAnnotation.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/tools/StandardPointcutParser.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/IClassFileProvider.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/IWeaveRequestor.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/bcel/UnwovenClassFileWithThirdPartyManagedBytecode.java

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/util/TypeSafeEnum.java

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/annotation/After.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/annotation/DeclarePrecedence.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/annotation/Pointcut.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/annotation/AfterThrowing.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/AtAjAttributes.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/annotation/Aspect.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/annotation/Before.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/annotation/Around.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/BcelPerClauseAspectAdder.java
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* Lyor Goldstein (vmware) add support for weaved class being re-defined

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/cache/ZipedFileCacheBacking.java

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/Trace.java

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/DefaultTrace.java

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/bridge/Constants.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/bridge/IMessageContext.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/Jdk14Trace.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/CommonsTraceFactory.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/Jdk14TraceFactory.java

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/TemporaryTypeMunger.java

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/BcelWeakClassLoaderReference.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/WildcardedUnresolvedType.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ArrayReferenceType.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/BcelWeavingSupport.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/AnnotationAccessFieldVar.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/IWeavingSupport.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/ExactAnnotationFieldTypePattern.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/BindingAnnotationFieldTypePattern.java

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*  
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* Abraham Nevado (lucierna) initial implementation  
*/
```

Found in path(s):

```
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/tools/cache/SimpleCache.java  
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/tools/cache/SimpleCacheFactory.java
```

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Found in path(s):

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/loadtime/ClassPreProcessorAgentAdapter.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/loadtime/ClassPreProcessor.java

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*
* Contributors:
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/CrosscuttingMembersSet.java

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- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/BootstrapMethods.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/Deprecated.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/ExceptionTable.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/Repository.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/generic/BranchHandle.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/generic/LineNumberGen.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/generic/FieldGen.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/generic/BasicType.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-

jar/org/aspectj/apache/bcel/classfile/ConstantInteger.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/generic/SwitchBuilder.java
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jar/org/aspectj/apache/bcel/generic/IINC.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/util/NonCachingClassLoaderRepository.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/classfile/StackMapEntry.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/generic/TargetLostException.java
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jar/org/aspectj/apache/bcel/classfile/SourceFile.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/classfile/Code.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/generic/InstructionHandle.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/classfile/InnerClass.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/classfile/Unknown.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/generic/InstructionByte.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/classfile/Constant.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/generic/InstructionList.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/generic/InstructionConstants.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/classfile/Modifiers.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/generic/FieldInstruction.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/classfile/ConstantClass.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/classfile/LocalVariableTable.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/classfile/ClassParser.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/generic/InstructionBranch.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/classfile/Method.java

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* Contributors:

* PARC initial implementation

* *****/

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- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/BcelClassWeaver.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/AndTypePattern.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/ExposedState.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/DeclareSoft.java
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- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/Advice.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/NewMethodTypeMunger.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/CrosscuttingMembers.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ResolvedPointcutDefinition.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/WildTypePattern.java
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- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/IHasSourceLocation.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/Shadow.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/Bindings.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/IToken.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/Position.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/WithinPointcut.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/ParserException.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/Range.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/BcelVar.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/NameMangler.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ast/Var.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/ReferencePointcut.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/NameBindingPointcut.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/SignaturePattern.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ShadowMunger.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/ConcreteCflowPointcut.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/NewConstructorTypeMunger.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/ThrowsPattern.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/ArgsPointcut.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/PerObject.java
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*   Adrian Colyer   initial implementation  
*   Andy Clement    got it working  
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* Contributors:  
*   Matthew Webster, Adrian Colyer,  
*   Martin Lippert   initial implementation  
*   Andy Clement  
*   Roy Varghese - Bug 473555  
* *****/
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
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*  
* Contributors:  
* initial implementation      Alexandre Vasseur  
* generic signature update    Adrian Colyer  
* *****/
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* Contributors:

* Adrian Colyer Initial implementation

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/reflect/DeferredResolvedPointcutDefinition.java

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* Contributors:

* Andy Clement Initial implementation

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/AnnotationDefault.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/internal/cflowstack/ThreadStackFactoryImpl11.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/EnclosingMethod.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/internal/cflowstack/ThreadStack.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/internal/cflowstack/ThreadCounter.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/internal/CFlowCounter.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/internal/cflowstack/ThreadStackFactoryImpl.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/bcel/BcelShadow.java

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jar/org/aspectj/weaver/ConstantPoolReader.java  
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/CompressingDataOutputStream.java  
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/bcel/BcelConstantPoolWriter.java  
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/ConstantPoolWriter.java  
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/weaver/bcel/BcelConstantPoolReader.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/reflect/UnlockSignatureImpl.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/UnlockSignature.java
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*   Abraham Nevado  new factory methods for collapsed SJPs  
*   Andy Clement  new factory methods that rely on LDC <class>  
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/loadtime/DefaultWeavingContext.java

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* Heavily based on LocalVariableTable

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/StandardPointcutExpression.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/BindingAnnotationTypePattern.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/NotAnnotationTypePattern.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/AnnotatedElement.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/AndAnnotationTypePattern.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/ArgsAnnotationPointcut.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/OrAnnotationTypePattern.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/ThisOrTargetAnnotationPointcut.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/ExactAnnotationTypePattern.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/BindingPattern.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/PointcutExpression.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/PointcutEvaluationExpenseComparator.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-

jar/org/aspectj/weaver/internal/tools/TypePatternMatcherImpl.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/patterns/WithinAnnotationPointcut.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/internal/tools/StandardPointcutExpressionImpl.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/patterns/AnnotationPointcut.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/patterns/AnnotationPatternList.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/tools/TypePatternMatcher.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/tools/PointcutPrimitive.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/patterns/AnnotationTypePattern.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/patterns/WildAnnotationTypePattern.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/internal/tools/PointcutExpressionImpl.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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jar/org/aspectj/weaver/patterns/AnyTypePattern.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/patterns/AnyWithAnnotationTypePattern.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/NotSignaturePattern.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/AbstractSignaturePattern.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/AndSignaturePattern.java

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/loadtime/definition/Definition.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/bcel/BcelAccessForInlineMunger.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/loadtime/Options.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/loadtime/Agent.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/loadtime/ConcreteAspectCodeGen.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/loadtime/DefaultMessageHandler.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/patterns/PerThisOrTargetPointcutVisitor.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/generic/LocalVariableTag.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeVisTypeAnnos.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeTypeAnnos.java

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/cache/DefaultCacheKeyResolver.java

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/WeavingClassLoader.java

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jar/org/aspectj/weaver/tools/cache/FlatFileCacheBacking.java

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/classfile/ModuleMainClass.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/classfile/ModulePackages.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/MethodParameters.java

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/asm/IHierarchy.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/asm/HierarchyWalker.java

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jar/org/aspectj/bridge/ICommand.java  
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/bridge/IMessageHolder.java  
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/lang/reflect/FieldSignature.java  
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/runtime/reflect/CatchClauseSignatureImpl.java  
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/util/PartialOrder.java  
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/runtime/reflect/FieldSignatureImpl.java  
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/util/FuzzyBoolean.java  
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/lang/reflect/SourceLocation.java  
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/runtime/reflect/CodeSignatureImpl.java  
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/runtime/reflect/StringMaker.java  
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/runtime/reflect/JoinPointImpl.java  
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-  
jar/org/aspectj/bridge/ISourceLocation.java  
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jar/org/aspectj/runtime/reflect/InitializerSignatureImpl.java  
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jar/org/aspectj/runtime/CFlow.java  
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jar/org/aspectj/bridge/IMessage.java  
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jar/org/aspectj/lang/reflect/ConstructorSignature.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/bridge/MessageHandler.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/JoinPoint.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/bridge/SourceLocation.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/NoAspectBoundException.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/reflect/SourceLocationImpl.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/internal/PerObjectMap.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/reflect/MemberSignatureImpl.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/bridge/AbortException.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/reflect/SignatureImpl.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/bridge/MessageWriter.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/MethodSignature.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/internal/Conversions.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/bridge/ILifecycleAware.java

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/asm/IProgramElement.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/asm/IElementHandleProvider.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/asm/IHierarchyListener.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/asm/IRelationshipMap.java

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/bcel/TypeAnnotationAccessVar.java

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* Alexandre Vasseur if() implementation for @AJ style
* *****/

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/patterns/IfPointcut.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/patterns/TypeCategoryTypePattern.java
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* Abraham Nevado - Lucierna simple caching strategy
* *****/

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/loadtime/definition/DocumentParser.java

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/internal/cflowstack/ThreadCounterImpl11.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/runtime/internal/cflowstack/ThreadStackImpl11.java

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- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/EnumAnnotationValue.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/asm/IModelFilter.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ArrayAnnotationValue.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/AnnotationAnnotationValue.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/IVerificationRequired.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/SimpleAnnotationValue.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/AnnotationNameValuePair.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/AnnotationValue.java
- * /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/ClassAnnotationValue.java

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* Helen Hawkins - initial version
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/asm/internal/NameConvertor.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/asm/internal/CharOperation.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/asm/internal/JDTLikeHandleProvider.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/model/AsmRelationshipUtils.java

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/Frame.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/TypePath.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/Handle.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/ClassReader.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/signature/SignatureReader.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/FieldVisitor.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/Type.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/CurrentFrame.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/ModuleVisitor.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/ByteVector.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/MethodTooLargeException.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/MethodWriter.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/ModuleWriter.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/TypeReference.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/ClassWriter.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/FieldWriter.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/Context.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/RecordComponentVisitor.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/ConstantDynamic.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/ClassVisitor.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/Attribute.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/AnnotationWriter.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/Handler.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/MethodVisitor.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/Symbol.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/RecordComponentWriter.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/SymbolTable.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/signature/SignatureWriter.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/Opcodes.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/Label.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/aj/org/objectweb/asm/Constants.java

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* Lyor Goldstein (vmware) add support for weaved class being re-defined

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/reflect/ReflectionWorld.java

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 - * Abraham Nevado
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*/opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/cache/CacheBacking.java
*/opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/cache/WeavedClassCache.java
*/opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/cache/AbstractCacheBacking.java
*/opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/cache/GeneratedCachedClassHandler.java
*/opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/cache/DefaultFileCacheBacking.java
*/opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/cache/AbstractFileCacheBacking.java
*/opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/cache/AbstractIndexedFileCacheBacking.java

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* Martin Lippert initial implementation

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/annotation/ElementValue.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeAnnos.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeInvisAnnos.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeInvisParamAnnos.java

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*

* Contributors:

* Adrian Colyer Initial implementation

* Andy Clement various fixes

* Trask Stanalker #373195

*****/

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/bridge/context/CompilationAndWeavingContext.java

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/ICrossReferenceHandler.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/classfile/annotation/AnnotationElementValue.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/classfile/annotation/EnumElementValue.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeVisParamAnnos.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/classfile/annotation/SimpleElementValue.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeVisAnnos.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/classfile/annotation/RuntimeParamAnnos.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/classfile/annotation/ArrayElementValue.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/apache/bcel/classfile/annotation/ClassElementValue.java
```

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* Contributors:
* Abraham Nevado - Lucierna initial implementation
* Just a slight variation of current DocumentParser.java from Alexandre Vasseur.
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/loadtime/definition/SimpleAOPParser.java
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* Contributors:
* PARC initial implementation
* Andy Clement start of generics upgrade...
* Adrian Colyer - overhaul
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jar/org/aspectj/weaver/UnresolvedType.java
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* Martin Lippert initial implementation
* Andy Clement
* Abraham Nevado

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/loadtime/WeavingURLClassLoader.java

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* Contributors:
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* AndyClement extracted as self contained type from Lint type (4-Aug-06)

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/JoinPointSignatureIterator.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/reflect/ReflectionShadow.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/internal/lang/reflect/AdviceImpl.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/internal/lang/reflect/InterTypeFieldDeclarationImpl.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/reflect/ReflectionBasedReferenceTypeDelegate.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/DeclareAnnotation.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/NoSuchAdviceException.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/internal/lang/reflect/StringToType.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/DeclareErrorOrWarning.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/TypeVariablePattern.java

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/internal/lang/reflect/PerClauseImpl.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/DeclarePrecedence.java

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/internal/lang/reflect/AjTypeImpl.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/internal/lang/reflect/PointcutImpl.java

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/reflect/JoinPointMatchImpl.java

* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/internal/lang/annotation/ajcDeclareAnnotation.java

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-

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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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jar/org/aspectj/weaver/tools/UnsupportedPointcutPrimitiveException.java
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jar/org/aspectj/weaver/JoinPointSignature.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/lang/reflect/NoSuchPointcutException.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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jar/org/aspectj/internal/lang/annotation/ajcITD.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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jar/org/aspectj/weaver/patterns/AbstractPatternNodeVisitor.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/internal/lang/reflect/PointcutExpressionImpl.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/bridge/context/ContextFormatter.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/internal/lang/reflect/TypePatternBasedPerClauseImpl.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/internal/tools/PointcutDesignatorHandlerBasedPointcut.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/DefaultMatchingContext.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/InterTypeFieldDeclaration.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/PointcutBasedPerClause.java
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* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/internal/lang/reflect/DeclareSoftImpl.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/internal/lang/annotation/ajcDeclareParents.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/annotation/DeclareWarning.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/internal/lang/annotation/ajcDeclareSoft.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/tools/PointcutDesignatorHandler.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/AdviceKind.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/lang/reflect/DeclareSoft.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/weaver/patterns/TypeVariablePatternList.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-jar/org/aspectj/internal/lang/reflect/InterTypeMethodDeclarationImpl.java
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```
*
* Contributors:
* Adrian Colyer    initial implementation
*****/
```

```
Found in path(s):
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/lang/annotation/AdviceName.java
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*
* Contributors:
* PARC    initial implementation
* RonBodkin/AndyClement optimizations for memory consumption/speed
*****/
```

```
Found in path(s):
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/bcel/BcelObjectType.java
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*****/
```

```
Found in path(s):
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/bcel/BcelWeaver.java
* /opt/cola/permits/1337070282_1654119253.2769773/0/aspectjweaver-1-9-7-sources-
jar/org/aspectj/weaver/ResolvedMemberImpl.java
```

1.76 evo-inflector 1.2.2

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1.81 google-gson 2.8.9

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Manifest-Version: 1.0

Created-By: 11.0.11 (Azul Systems, Inc.)
Build-Jdk-Spec: 11
Bnd-LastModified: 1635537586812
Bundle-ContactAddress: <https://github.com/google/gson>
Bundle-Description: Gson JSON library
Bundle-DocURL: <https://github.com/google/gson/gson>
Bundle-License: "Apache-2.0";link="https://www.apache.org/licenses/LICENSE-2.0.txt"
Bundle-ManifestVersion: 2
Bundle-Name: Gson
Bundle-RequiredExecutionEnvironment: JavaSE-1.6, JavaSE-1.7, JavaSE-1.8
Bundle-SCM: url="https://github.com/google/gson/gson/",connection="scm:git:https://github.com/google/gson.git/gson",developer-connection="scm:git:git@github.com:google/gson.git/gson",tag="gson-parent-2.8.9"
Bundle-SymbolicName: com.google.gson
Bundle-Vendor: Google Gson Project
Bundle-Version: 2.8.9
Export-Package: com.google.gson;uses:="com.google.gson.reflect,com.google.gson.stream";version="2.8.9",com.google.gson.annotations;version="2.8.9",com.google.gson.reflect;version="2.8.9",com.google.gson.stream;version="2.8.9"
Import-Package: sun.misc;resolution:=optional,com.google.gson.annotations
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.6))"
Tool: Bnd-6.0.0.202110041835

Found in path(s):

* /opt/cola/permits/1288695153_1648172573.06/0/gson-2-8-9-jar/META-INF/MANIFEST.MF

1.82 flexmark-java-dependency-utilities 0.62.2

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1.83 java-classmate classmate-1.5.1

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Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)

Other developers who have contributed code are:

* Brian Langel

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1.84 apache-poi-ooxml-schemas 3.17

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MySQL Connector/J 8.0

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JUnit 5

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1.93 json-p 1.0.4

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1.94 duct-tape 1.0.8

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1.95 paranamer-core 2.8

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1.96 netty/tomcatnative-[openssl---classes]

2.0.51.Final

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Manifest-Version: 1.0

Implementation-Title: Netty/TomcatNative [BoringSSL - Static]

Bundle-Description: A Mavenized fork of Tomcat Native which incorporates various patches. This artifact is statically linked to BoringSSL and Apache APR.

Automatic-Module-Name: io.netty.tcnative.openssl.osx-x86_64

Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>

Bundle-SymbolicName: io.netty.tcnative-boringssl-static

Implementation-Version: 2.0.51.Final

Built-By: norman

Bnd-LastModified: 1646991568982
Bundle-ManifestVersion: 2
Implementation-Vendor-Id: io.netty
Bundle-DocURL: https://netty.io/
Bundle-Vendor: The Netty Project
Fragment-Host: io.netty.tcnative-classes
Tool: Bnd-5.1.1.202006162103
Implementation-Vendor: The Netty Project
Bundle-Name: Netty/TomcatNative [BoringSSL - Static]
Bundle-Version: 2.0.51.Final
Build-Jdk-Spec: 1.8
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_252
Implementation-URL: https://github.com/netty/netty-tcnative/netty-tcna
tive-boringssl-static/

Found in path(s):

* /opt/cola/permits/1337070414_1654204942.7646887/0/netty-tcnative-boringssl-static-2-0-51-final-jar/META-INF/MANIFEST.MF

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1.97 scala-java8-compat_2.12 1.0.0

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* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/converterImpl/StepsBitSet.scala
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* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/runtime/LambdaDeserializer.scala
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* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/OptionConverters.scala
* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/DurationConverters.scala
* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/converterImpl/StepsLikeImmHashMap.scala
* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/collectionImpl/DoubleAccumulator.scala
* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/wrappers/IteratorPrimitiveDoubleWrapper.java
* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/converterImpl/MakesSteppers.scala
* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/SpliteratorConverters.scala
* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/converterImpl/StepsRange.scala
* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/wrappers/IteratorPrimitiveIntWrapper.java
* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/converterImpl/StepsIndexedSeq.scala
* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/converterImpl/StepsLikeSliced.scala
* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/wrappers/IteratorPrimitiveLongWrapper.java
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* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/collectionImpl/LongAccumulator.scala
* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/runtime/CollectionInternals.java
* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/converterImpl/StepsIterator.scala
* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/converterImpl/StepsString.scala
* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/ScalaStreamSupport.java
* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/collectionImpl/IntAccumulator.scala
* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/converterImpl/Accumulates.scala
* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/PrimitiveIteratorConversions.scala
* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/collectionImpl/Stepper.scala
* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/FutureConverters.scala
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* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/converterImpl/StepsImmHashSet.scala
* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/converterImpl/StepsArray.scala
* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/converterImpl/StepConverters.scala
* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/collectionImpl/Accumulator.scala
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* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/converterImpl/StepsWithTail.scala
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* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/converterImpl/StepsVector.scala
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* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/converterImpl/StepsIterable.scala
* /opt/cola/permits/1340816363_1654719786.708094/0/scala-java8-compat-2-11-1-0-0-sources-1-jar/scala/compat/java8/converterImpl/StepsHashTable.scala
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1.98 provider 4.2.10

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1.99 flexmark-java-misc-utilities 0.62.2

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* /opt/cola/permits/1340815559_1654859663.1732602/0/flexmark-util-misc-0-62-2-sources-jar/com/vladsch/flexmark/util/misc/DelimitedBuilder.java

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* /opt/cola/permits/1340815559_1654859663.1732602/0/flexmark-util-misc-0-62-2-sources-jar/com/vladsch/flexmark/util/misc/ImageUtils.java

1.100 google-api-grpc-proto-google-common-protos 2.0.1

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* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/type/postal_address.proto  
* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/type/datetime.proto  
* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/api/source_info.proto  
* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/type/quaternion.proto  
* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/api/field_behavior.proto  
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* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/logging/type/http_request.proto
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* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/type/calendar_period.proto
* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/rpc/code.proto
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* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/api/client.proto
* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/longrunning/operations.proto
* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/api/billing.proto
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* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/api/consumer.proto
* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/type/fraction.proto
* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/api/system_parameter.proto
* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/rpc/status.proto
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* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/api/quota.proto
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* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/api/endpoint.proto
* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/api/usage.proto

* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/api/auth.proto
* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/type/expr.proto
* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/api/log.proto
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* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/api/service.proto
* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/api/monitoring.proto
* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/api/resource.proto
* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/logging/type/log_severity.proto
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* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/api/context.proto
* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/type/timeofday.proto
* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/api/control.proto
* /opt/cola/permits/1337069512_1654218326.7907567/0/proto-google-common-protos-2-0-1-1-jar/google/api/monitored_resource.proto

1.101 spring-boot-webflux-starter 2.6.6

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1.102 jackson-annotations 2.13.2

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1.103 testcontainers-jdbc 1.16.3

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```
* /opt/cola/permits/1340816128_1654854190.0610049/0/jdbc-1-16-3-sources-  
jar/org/testcontainers/jdbc/ext/ScriptUtils.java
```

1.104 pactbroker 4.2.10

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1.105 spring-cloud-context 3.0.5

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* /opt/cola/permits/1340816116_1654719662.0431192/0/spring-cloud-context-3-0-5-sources-1-jar/org/springframework/cloud/context/scope/refresh/RefreshScope.java
* /opt/cola/permits/1340816116_1654719662.0431192/0/spring-cloud-context-3-0-5-sources-1-jar/org/springframework/cloud/context/named/ClientFactoryObjectProvider.java
* /opt/cola/permits/1340816116_1654719662.0431192/0/spring-cloud-context-3-0-5-sources-1-jar/org/springframework/cloud/autoconfigure/RefreshAutoConfiguration.java
* /opt/cola/permits/1340816116_1654719662.0431192/0/spring-cloud-context-3-0-5-sources-1-jar/org/springframework/cloud/autoconfigure/WritableEnvironmentEndpointAutoConfiguration.java
* /opt/cola/permits/1340816116_1654719662.0431192/0/spring-cloud-context-3-0-5-sources-1-jar/org/springframework/cloud/context/encrypt/KeyFormatException.java
* /opt/cola/permits/1340816116_1654719662.0431192/0/spring-cloud-context-3-0-5-sources-1-jar/org/springframework/cloud/util/random/CacheRandomPropertySourceEnvironmentPostProcessor.java
* /opt/cola/permits/1340816116_1654719662.0431192/0/spring-cloud-context-3-0-5-sources-1-jar/org/springframework/cloud/autoconfigure/ConfigurationPropertiesRebinderAutoConfiguration.java
* /opt/cola/permits/1340816116_1654719662.0431192/0/spring-cloud-context-3-0-5-sources-1-jar/org/springframework/cloud/context/encrypt/EncryptorFactory.java
* /opt/cola/permits/1340816116_1654719662.0431192/0/spring-cloud-context-3-0-5-sources-1-jar/org/springframework/cloud/context/environment/WritableEnvironmentEndpoint.java
* /opt/cola/permits/1340816116_1654719662.0431192/0/spring-cloud-context-3-0-5-sources-1-jar/org/springframework/cloud/endpoint/event/RefreshEvent.java
* /opt/cola/permits/1340816116_1654719662.0431192/0/spring-cloud-context-3-0-5-sources-1-jar/org/springframework/cloud/bootstrap/BootstrapImportSelector.java
* /opt/cola/permits/1340816116_1654719662.0431192/0/spring-cloud-context-3-0-5-sources-1-jar/org/springframework/cloud/autoconfigure/RefreshEndpointAutoConfiguration.java
* /opt/cola/permits/1340816116_1654719662.0431192/0/spring-cloud-context-3-0-5-sources-1-jar/org/springframework/cloud/endpoint/event/RefreshEventListener.java

1.106 spring-boot-actuator-autoconfigure

2.6.6

1.106.1 Available under license :

Spring Boot 2.6.6

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1.107 animal-sniffer-annotation 1.19

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* /opt/cola/permits/1127519953_1611825926.02/0/animal-sniffer-annotations-1-19-sources-jar/META-
INF/maven/org.codehaus.mojo/animal-sniffer-annotations/pom.xml

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* /opt/cola/permits/1127519953_1611825926.02/0/animal-sniffer-annotations-1-19-sources-jar/org/codehaus/mojo/animal_sniffer/IgnoreJRERequirement.java

1.108 bean-validation-api 2.0.2

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1.109 jul-to-slf4j-bridge 1.7.36

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* /opt/cola/permits/1337069837_1654208675.2587817/0/jul-to-slf4j-1-7-36-sources-
jar/org/slf4j/bridge/SLF4JBridgeHandler.java

1.110 flexmark-java-ast-utilities 0.62.2

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1.111 jsonassert 1.5.0

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```
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/JSONCompareResult.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/ValueMatcherException.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/JSONParser.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/comparator/DefaultComparator.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/LocationAwareValueMatcher.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/JSONCompare.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/FieldComparisonFailure.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/Customization.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/ValueMatcher.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/RegularExpressionValueMatcher.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/JSONAssert.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-jar/org/json/JSONString.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
```

jar/org/skyscreamer/jsonassert/comparator/ArraySizeComparator.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/comparator/JSONCompareUtil.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/comparator/CustomComparator.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/JSONCompareMode.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/comparator/JSONComparator.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/ArrayValueMatcher.java
* /opt/cola/permits/1241104371_1639440521.51/0/jsonassert-1-5-0-sources-
jar/org/skyscreamer/jsonassert/comparator/AbstractComparator.java

1.112 apache-xerces2-j 2.12.2

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1.113 spring-security-rsa 1.0.11.RELEASE

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Found in path(s):

```
* /opt/cola/permits/1340816204_1654719688.6472669/0/spring-security-rsa-1-0-11-release-sources-1-
jar/org/springframework/security/rsa/crypto/RsaSecretEncryptor.java
* /opt/cola/permits/1340816204_1654719688.6472669/0/spring-security-rsa-1-0-11-release-sources-1-
jar/org/springframework/security/rsa/crypto/RsaKeyHelper.java
* /opt/cola/permits/1340816204_1654719688.6472669/0/spring-security-rsa-1-0-11-release-sources-1-
jar/org/springframework/security/rsa/crypto/RsaRawEncryptor.java
* /opt/cola/permits/1340816204_1654719688.6472669/0/spring-security-rsa-1-0-11-release-sources-1-
jar/org/springframework/security/rsa/crypto/RsaKeyHolder.java
* /opt/cola/permits/1340816204_1654719688.6472669/0/spring-security-rsa-1-0-11-release-sources-1-
jar/org/springframework/security/rsa/crypto/KeyStoreKeyFactory.java
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* /opt/cola/permits/1340816204_1654719688.6472669/0/spring-security-rsa-1-0-11-release-sources-1-jar/org/springframework/security/rsa/crypto/CipherUtils.java

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* /opt/cola/permits/1340816204_1654719688.6472669/0/spring-security-rsa-1-0-11-release-sources-1-jar/org/springframework/security/rsa/crypto/RsaAlgorithm.java

1.114 fabric8-::-kubernetes-model-::- flowcontrol 5.12.1

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* /opt/cola/permits/1340816228_1654861754.4785826/0/kubernetes-model-flowcontrol-5-12-1-sources-jar/manifest.vm

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* /opt/cola/permits/1340816228_1654861754.4785826/0/kubernetes-model-flowcontrol-5-12-1-sources-jar/META-INF/maven/io.fabric8/kubernetes-model-flowcontrol/pom.xml

1.115 metrics-core 4.2.9

1.115.1 Available under license :

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Manifest-Version: 1.0

Automatic-Module-Name: com.codahale.metrics

Build-Jdk-Spec: 11

Bundle-Description: Metrics is a Java library which gives you unparalleled insight into what your code does in production. Metrics provides a powerful toolkit of ways to measure the behavior of critical components in your production environment.

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Bundle-ManifestVersion: 2

Bundle-Name: Metrics Core

Bundle-SymbolicName: io.dropwizard.metrics.core

Bundle-Version: 4.2.9
Created-By: Apache Maven Bundle Plugin 5.1.4
Export-Package: com.codahale.metrics;uses:="org.slf4j";version="4.2.9"
Implementation-Title: Metrics Core
Implementation-Version: 4.2.9
Import-Package: org.slf4j;version="[1.6.0,2.0.0)"
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Tool: Bnd-5.1.1.202006162103

Found in path(s):

* /opt/cola/permits/1340816154_1654719727.1250637/0/metrics-core-4-2-9-1-jar/META-INF/MANIFEST.MF

1.116 byte-buddy-agent 1.11.22

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1.117 apache-poi-ooxml 3.17

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1.120 protocol-buffer-java-api 3.19.4

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```
* /opt/cola/permits/1319213656_1651767399.38/0/protobuf-java-shaded-3-19-4-1-jar/google/protobuf/compiler/plugin.proto  
* /opt/cola/permits/1319213656_1651767399.38/0/protobuf-java-shaded-3-19-4-1-jar/google/protobuf/wrappers.proto  
* /opt/cola/permits/1319213656_1651767399.38/0/protobuf-java-shaded-3-19-4-1-jar/google/protobuf/any.proto  
* /opt/cola/permits/1319213656_1651767399.38/0/protobuf-java-shaded-3-19-4-1-jar/google/protobuf/type.proto  
* /opt/cola/permits/1319213656_1651767399.38/0/protobuf-java-shaded-3-19-4-1-jar/google/protobuf/timestamp.proto  
* /opt/cola/permits/1319213656_1651767399.38/0/protobuf-java-shaded-3-19-4-1-jar/google/protobuf/empty.proto  
* /opt/cola/permits/1319213656_1651767399.38/0/protobuf-java-shaded-3-19-4-1-jar/google/protobuf/source_context.proto  
* /opt/cola/permits/1319213656_1651767399.38/0/protobuf-java-shaded-3-19-4-1-jar/google/protobuf/duration.proto  
* /opt/cola/permits/1319213656_1651767399.38/0/protobuf-java-shaded-3-19-4-1-jar/google/protobuf/descriptor.proto  
* /opt/cola/permits/1319213656_1651767399.38/0/protobuf-java-shaded-3-19-4-1-jar/google/protobuf/struct.proto  
* /opt/cola/permits/1319213656_1651767399.38/0/protobuf-java-shaded-3-19-4-1-
```

jar/google/protobuf/field_mask.proto

* /opt/cola/permits/1319213656_1651767399.38/0/protobuf-java-shaded-3-19-4-1-jar/google/protobuf/api.proto

1.121 cloudevents---core 2.2.0

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* /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-jar/META-INF/maven/io.cloudevents/cloudevents-core/pom.xml

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- * /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-jar/io/cloudevents/core/v03/CloudEventBuilder.java
- * /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-jar/io/cloudevents/core/v1/V03ToV1AttributesConverter.java
- * /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-jar/io/cloudevents/core/impl/CloudEventContextReaderAdapter.java
- * /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-jar/io/cloudevents/core/v1/CloudEventBuilder.java
- * /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-jar/io/cloudevents/core/CloudEventUtils.java
- * /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-jar/io/cloudevents/core/builder/CloudEventBuilder.java
- * /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-jar/io/cloudevents/core/extensions/impl/ExtensionUtils.java
- * /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-jar/io/cloudevents/core/message/StructuredMessageReader.java
- * /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-jar/io/cloudevents/core/v03/V1ToV03AttributesConverter.java
- * /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-jar/io/cloudevents/core/message/impl/GenericStructuredMessageReader.java
- * /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-jar/io/cloudevents/core/provider/EventFormatProvider.java
- * /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-jar/io/cloudevents/core/provider/ExtensionProvider.java
- * /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-jar/io/cloudevents/core/message/impl/BaseGenericBinaryMessageReaderImpl.java
- * /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-jar/io/cloudevents/core/message/Encoding.java
- * /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-jar/io/cloudevents/core/v1/CloudEventV1.java
- * /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-jar/io/cloudevents/core/message/MessageReader.java
- * /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-jar/io/cloudevents/core/format/EventFormat.java
- * /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-jar/io/cloudevents/core/v03/CloudEventV03.java
- * /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-jar/io/cloudevents/core/impl/BaseCloudEventBuilder.java
- * /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-jar/io/cloudevents/core/extensions/DaterefExtension.java
- * /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-jar/io/cloudevents/core/message/MessageWriter.java
- * /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-jar/io/cloudevents/core/format/EventDeserializationException.java
- * /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-jar/io/cloudevents/core/message/impl/BaseStructuredMessageReader.java
- * /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-

```
jar/io/cloudevents/core/impl/CloudEventReaderAdapter.java
* /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-
jar/io/cloudevents/core/format/EventSerializationException.java
* /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-
jar/io/cloudevents/core/extensions/DistributedTracingExtension.java
* /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-
jar/io/cloudevents/core/message/impl/MessageUtils.java
* /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-
jar/io/cloudevents/core/message/impl/BaseBinaryMessageReader.java
* /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-
jar/io/cloudevents/core/message/StructuredMessageWriter.java
* /opt/cola/permits/1340815883_1654861257.1698394/0/cloudevents-core-2-2-0-sources-
jar/io/cloudevents/core/impl/BaseCloudEvent.java
```

1.122 fabric8-::-kubernetes-model-::-rbac

5.12.1

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1.123 apache-calcite-avatica 1.18.0

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```

Found in path(s):

```
* /opt/cola/permits/1340815985_1654861270.8175628/0/cloudevents-api-2-2-0-sources-
jar/io/cloudevents/lang/Nullable.java
* /opt/cola/permits/1340815985_1654861270.8175628/0/cloudevents-api-2-2-0-sources-
jar/io/cloudevents/rw/CloudEventContextReader.java
* /opt/cola/permits/1340815985_1654861270.8175628/0/cloudevents-api-2-2-0-sources-
jar/io/cloudevents/rw/CloudEventContextWriter.java
* /opt/cola/permits/1340815985_1654861270.8175628/0/cloudevents-api-2-2-0-sources-
jar/io/cloudevents/rw/CloudEventRWException.java
* /opt/cola/permits/1340815985_1654861270.8175628/0/cloudevents-api-2-2-0-sources-
jar/io/cloudevents/CloudEvent.java
* /opt/cola/permits/1340815985_1654861270.8175628/0/cloudevents-api-2-2-0-sources-
jar/io/cloudevents/rw/CloudEventReader.java
* /opt/cola/permits/1340815985_1654861270.8175628/0/cloudevents-api-2-2-0-sources-
```

```
jar/io/cloudevents/rw/CloudEventDataMapper.java
* /opt/cola/permits/1340815985_1654861270.8175628/0/cloudevents-api-2-2-0-sources-
jar/io/cloudevents/CloudEventExtension.java
* /opt/cola/permits/1340815985_1654861270.8175628/0/cloudevents-api-2-2-0-sources-
jar/io/cloudevents/CloudEventContext.java
* /opt/cola/permits/1340815985_1654861270.8175628/0/cloudevents-api-2-2-0-sources-
jar/io/cloudevents/rw/CloudEventWriterFactory.java
* /opt/cola/permits/1340815985_1654861270.8175628/0/cloudevents-api-2-2-0-sources-
jar/io/cloudevents/CloudEventAttributes.java
* /opt/cola/permits/1340815985_1654861270.8175628/0/cloudevents-api-2-2-0-sources-
jar/io/cloudevents/types/Time.java
* /opt/cola/permits/1340815985_1654861270.8175628/0/cloudevents-api-2-2-0-sources-
jar/io/cloudevents/CloudEventData.java
* /opt/cola/permits/1340815985_1654861270.8175628/0/cloudevents-api-2-2-0-sources-
jar/io/cloudevents/SpecVersion.java
* /opt/cola/permits/1340815985_1654861270.8175628/0/cloudevents-api-2-2-0-sources-
jar/io/cloudevents/rw/CloudEventWriter.java
* /opt/cola/permits/1340815985_1654861270.8175628/0/cloudevents-api-2-2-0-sources-
jar/io/cloudevents/CloudEventExtensions.java
```

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```
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```

Found in path(s):

```
* /opt/cola/permits/1340815985_1654861270.8175628/0/cloudevents-api-2-2-0-sources-jar/META-
INF/maven/io.cloudevents/cloudevents-api/pom.xml
```

1.125 docker-java 3.2.12

1.125.1 Available under license :

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```
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```

Found in path(s):

```
* /opt/cola/permits/1331473523_1653068661.0567706/0/docker-java-api-3-2-12-sources-
jar/com/github/dockerjava/api/model/HealthCheck.java
```

1.126 jquery 3.5.1

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1.127 apache-commons-beanutils 1.9.4

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1.128 json-smart 2.4.8

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Found in path(s):

* /opt/cola/permits/1340076263_1654622360.233129/0/json-smart-2-4-8-2-jar/META-INF/maven/net.minidev/json-smart/pom.xml

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Manifest-Version: 1.0

Bnd-LastModified: 1644737862078

Build-Jdk: 11.0.14

Built-By: uriel

Bundle-Description: JSON (JavaScript Object Notation) is a lightweight data-interchange format. It is easy for humans to read and write. It is easy for machines to parse and generate. It is based on a subset of the JavaScript Programming Language, Standard ECMA-262 3rd Edition - December 1999. JSON is a text format that is completely language independent but uses conventions that are familiar to programmers of the C-family of languages, including C, C++, C#, Java, JavaScript, Per

l, Python, and many others. These properties make JSON an ideal data-interchange language.

Bundle-DocURL: <https://urielch.github.io/>

Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>

Bundle-ManifestVersion: 2

Bundle-Name: json-smart

Bundle-SymbolicName: net.minidev.json-smart

Bundle-Vendor: Chemouni Uriel

Bundle-Version: 2.4.8

Created-By: Apache Maven Bundle Plugin

Export-Package: net.minidev.json;uses:="net.minidev.asm,net.minidev.json.parser,net.minidev.json.reader,net.minidev.json.writer";version="2.4.8",net.minidev.json.annotate;version="2.4.8",net.minidev.json.parser;uses:="net.minidev.json.writer";version="2.4.8",net.minidev.json.reader;uses:="net.minidev.json";version="2.4.8",net.minidev.json.writer;uses:="net.minidev.json,net.minidev.json.parser";version="2.4.8"

Import-Package: net.minidev.asm;version="[2.4,3)",net.minidev.json,net.minidev.json.annotate,net.minidev.json.parser,net.minidev.json.reader,net.minidev.json.writer

Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.8))"

Tool: Bnd-5.1.1.202006162103

Found in path(s):

* /opt/cola/permits/1340076263_1654622360.233129/0/json-smart-2-4-8-2-jar/META-INF/MANIFEST.MF

1.129 jakarta-annotations-api 1.3.5

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[subs="normal"]

....

Specification: {doctitle}

Version: {revnumber}


```
ifeval::["{revremark}" != ""]
Status: {revremark}
endif::[]
ifeval::["{revremark}" == ""]
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5.13.2

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1.133 zookeeper 3.6.3

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* /opt/cola/permits/1340076099_1654622393.5516312/0/zookeeper-3-6-3-sources-1-jar/org/apache/zookeeper/server/quorum/QuorumPeer.java

* /opt/cola/permits/1340076099_1654622393.5516312/0/zookeeper-3-6-3-sources-1-jar/org/apache/zookeeper/common/ZKTrustManager.java

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* /opt/cola/permits/1340076099_1654622393.5516312/0/zookeeper-3-6-3-sources-1-jar/org/apache/zookeeper/server/quorum/Election.java
* /opt/cola/permits/1340076099_1654622393.5516312/0/zookeeper-3-6-3-sources-1-jar/org/apache/zookeeper/server/command/StatResetCommand.java
* /opt/cola/permits/1340076099_1654622393.5516312/0/zookeeper-3-6-3-sources-1-jar/org/apache/zookeeper/server/auth/IPAuthenticationProvider.java
* /opt/cola/permits/1340076099_1654622393.5516312/0/zookeeper-3-6-3-sources-1-jar/org/apache/zookeeper/ClientCnxnSocketNetty.java
* /opt/cola/permits/1340076099_1654622393.5516312/0/zookeeper-3-6-3-sources-1-jar/org/apache/zookeeper/server/quorum/auth/QuorumAuthServer.java
* /opt/cola/permits/1340076099_1654622393.5516312/0/zookeeper-3-6-3-sources-1-jar/org/apache/zookeeper/server/TraceFormatter.java
* /opt/cola/permits/1340076099_1654622393.5516312/0/zookeeper-3-6-3-sources-1-jar/org/apache/zookeeper/audit/AuditHelper.java
* /opt/cola/permits/1340076099_1654622393.5516312/0/zookeeper-3-6-3-sources-1-jar/org/apache/zookeeper/server/SessionTrackerImpl.java
* /opt/cola/permits/1340076099_1654622393.5516312/0/zookeeper-3-6-3-sources-1-jar/org/apache/zookeeper/util/ServiceUtils.java
* /opt/cola/permits/1340076099_1654622393.5516312/0/zookeeper-3-6-3-sources-1-jar/org/apache/zookeeper/server/quorum/LocalSessionTracker.java
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* /opt/cola/permits/1340076099_1654622393.5516312/0/zookeeper-3-6-3-sources-1-jar/org/apache/zookeeper/server/util/KerberosUtil.java

* /opt/cola/permits/1340076099_1654622393.5516312/0/zookeeper-3-6-3-sources-1-jar/org/apache/zookeeper/server/watch/WatchManagerOptimized.java
* /opt/cola/permits/1340076099_1654622393.5516312/0/zookeeper-3-6-3-sources-1-jar/org/apache/zookeeper/server/admin/ReadAheadEndpoint.java
* /opt/cola/permits/1340076099_1654622393.5516312/0/zookeeper-3-6-3-sources-1-jar/org/apache/zookeeper/server/quorum/FollowerRequestProcessor.java
* /opt/cola/permits/1340076099_1654622393.5516312/0/zookeeper-3-6-3-sources-1-jar/org/apache/zookeeper/server/ObserverBean.java
* /opt/cola/permits/1340076099_1654622393.5516312/0/zookeeper-3-6-3-sources-1-jar/org/apache/zookeeper/Login.java
* /opt/cola/permits/1340076099_1654622393.5516312/0/zookeeper-3-6-3-sources-1-jar/org/apache/zookeeper/cli/StatPrinter.java
* /opt/cola/permits/1340076099_1654622393.5516312/0/zookeeper-3-6-3-sources-1-jar/org/apache/zookeeper/audit/Log4jAuditLogger.java
* /opt/cola/permits/1340076099_1654622393.5516312/0/zookeeper-3-6-3-sources-1-jar/org/apache/zookeeper/server/quorum/FollowerZooKeeperServer.java
* /opt/cola/permits/1340076099_1654622393.5516312/0/zookeeper-3-6-3-sources-1-jar/org/apache/zookeeper/server/command/WatchCommand.java
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1.134 jakarta-expression-language-3.0-implementation 4.0.1

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* /opt/ws_local/PERMITS_SQL/1014221201_1591897829.68/0/okio-1-17-2-sources-jar/okio/SegmentedByteString.java
* /opt/ws_local/PERMITS_SQL/1014221201_1591897829.68/0/okio-1-17-2-sources-jar/okio/ForwardingTimeout.java

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Found in path(s):

*/opt/ws_local/PERMITS_SQL/1014221201_1591897829.68/0/okio-1-17-2-sources-jar/okio/Base64.java

1.136 mac-os 4.1.75.Final

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* /opt/cola/permits/1337069530_1654119263.5223405/0/netty-resolver-dns-classes-macos-4-1-75-final-sources-3-jar/io/netty/resolver/dns/macos/MacOSDnsServerAddressStreamProvider.java
* /opt/cola/permits/1337069530_1654119263.5223405/0/netty-resolver-dns-classes-macos-4-1-75-final-sources-3-jar/io/netty/resolver/dns/macos/DnsResolver.java
* /opt/cola/permits/1337069530_1654119263.5223405/0/netty-resolver-dns-classes-macos-4-1-75-final-sources-3-jar/io/netty/resolver/dns/macos/package-info.java

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* /opt/cola/permits/1337069530_1654119263.5223405/0/netty-resolver-dns-classes-macos-4-1-75-final-sources-3-jar/META-INF/maven/io.netty/netty-resolver-dns-classes-macos/pom.xml

1.137 apache-commons-lang 3.12.0

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1.138 jcommander-library 1.78

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```
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-  
jar/com/beust/jcommander/JCommander.java  
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-  
jar/com/beust/jcommander/UnixStyleUsageFormatter.java  
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-  
jar/com/beust/jcommander/DefaultUsageFormatter.java  
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-  
jar/com/beust/jcommander/IUsageFormatter.java
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* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/IPParameterValidator.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/validators/NoValidator.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/validators/NoValueValidator.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/validators/PositiveInteger.java

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* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/NoConverter.java

* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/IDefaultProvider.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/internal/Maps.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/MissingCommandException.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/defaultprovider/PropertyFileDefaultProvider.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/CharArrayConverter.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/FileConverter.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/ISO8601DateConverter.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/DoubleConverter.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/ParameterException.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/IntegerConverter.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/BigDecimalConverter.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/BooleanConverter.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/FloatConverter.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/ResourceBundle.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/Parameters.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/IStringConverterFactory.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/internal/Lists.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/internal/Sets.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/PathConverter.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/Parameter.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/LongConverter.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/internal/DefaultConverterFactory.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/converters/BaseConverter.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-jar/com/beust/jcommander/ParameterDescription.java

```
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-
jar/com/beust/jcommander/IStringConverter.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-
jar/com/beust/jcommander/converters/InetAddressConverter.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-
jar/com/beust/jcommander/converters/StringConverter.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-
jar/com/beust/jcommander/converters/URICConverter.java
* /opt/cola/permits/1183866048_1648141986.88/0/jcommander-1-78-sources-
jar/com/beust/jcommander/ParametersDelegate.java
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1.139 reactor-core 3.4.16

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reactor.core.scheduler.ReactorBlockHoundIntegration
```

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```
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INF/services/reactor.blockhound.integration.BlockHoundIntegration
```

1.140 ktor-io 1.3.1

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jar/commonMain/io/ktor/utills/io/ByteChannelCtor.kt

1.141 spring-boot 2.6.6

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1.142 spring-kafka-test-support 2.8.4

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* /opt/cola/permits/1340816320_1654854400.8537223/0/spring-kafka-test-2-8-4-sources-jar/org/springframework/kafka/test/condition/EmbeddedKafkaCondition.java
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* /opt/cola/permits/1340816320_1654854400.8537223/0/spring-kafka-test-2-8-4-sources-jar/org/springframework/kafka/test/core/BrokerAddress.java

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* /opt/cola/permits/1340816320_1654854400.8537223/0/spring-kafka-test-2-8-4-sources-jar/org/springframework/kafka/test/utis/ContainerTestUtils.java
* /opt/cola/permits/1340816320_1654854400.8537223/0/spring-kafka-test-2-8-4-sources-jar/org/springframework/kafka/test/assertj/KafkaConditions.java
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* /opt/cola/permits/1340816320_1654854400.8537223/0/spring-kafka-test-2-8-4-sources-jar/org/springframework/kafka/test/utis/JUnitUtils.java
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* /opt/cola/permits/1340816320_1654854400.8537223/0/spring-kafka-test-2-8-4-sources-jar/org/springframework/kafka/test/utils/KafkaTestUtils.java

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* /opt/cola/permits/1340816320_1654854400.8537223/0/spring-kafka-test-2-8-4-sources-jar/org/springframework/kafka/test/context/EmbeddedKafkaContextCustomizerFactory.java

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* /opt/cola/permits/1340816320_1654854400.8537223/0/spring-kafka-test-2-8-4-sources-jar/org/springframework/kafka/test/context/EmbeddedKafka.java

1.143 commons-codec 1.15

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1.144 io-swagger-swagger-annotations 1.6.2

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Bnd-LastModified: 1593602041104

Build-Jdk: 1.8.0_151

Built-By: frantuma

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Bundle-ManifestVersion: 2

Bundle-Name: swagger-annotations

Bundle-SymbolicName: io.swagger.annotations
Bundle-Version: 1.6.2
Created-By: Apache Maven Bundle Plugin
Export-Package: io.swagger.annotations;version="1.6.2"
implementation-version: 1.6.2
mode: development
package: io.swagger
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.7))"
Tool: Bnd-3.3.0.201609221906
url: <https://github.com/swagger-api/swagger-core/modules/swagger-annotations>

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* /opt/cola/permits/1170799104_1654737045.2729578/0/swagger-annotations-1-6-2-jar/META-INF/MANIFEST.MF

1.145 apache-log4j 2.17.2

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1.149 jackson-dataformat-yaml 2.13.2

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1.151 jooq-meta-extensions 3.16.4

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```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
```

```
<modelVersion>4.0.0</modelVersion>
```

```
<parent>
```

```
<groupId>org.jooq</groupId>
```

```
<artifactId>jooq-parent</artifactId>
```

```
<version>3.16.4</version>
```

```
</parent>
```

```
<artifactId>jooq-meta-extensions</artifactId>
```

```
<name>jOOQ Meta Extensions</name>
```



```
<licenses>
  <license>
    <name>Apache License, Version 2.0</name>
    <url>http://www.jooq.org/inc/LICENSE.txt</url>
    <distribution>repo</distribution>
  </license>
```

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</licenses>
```

```
<build>
  <plugins>
    <plugin>
      <groupId>org.apache.maven.plugins</groupId>
      <artifactId>maven-jar-plugin</artifactId>
      <configuration>
        <archive>
          <manifestEntries>
            <Automatic-Module-Name>org.jooq.meta.extensions</Automatic-Module-Name>
          </manifestEntries>
        </archive>
      </configuration>
    </plugin>
  </plugins>
</build>
```

```
<dependencies>
  <dependency>
    <groupId>org.jooq</groupId>
    <artifactId>jooq-meta</artifactId>
  </dependency>
  <dependency>
    <groupId>com.h2database</groupId>
    <artifactId>h2</artifactId>
  </dependency>
```

```
</dependencies>
</project>
```

Found in path(s):

```
* /opt/cola/permits/1340815815_1654719674.1983817/0/jooq-meta-extensions-3-16-4-sources-jar/META-INF/maven/org.jooq/jooq-meta-extensions/pom.xml
```

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* database integrations.
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Found in path(s):

* /opt/cola/permits/1340815815_1654719674.1983817/0/jooq-meta-extensions-3-16-4-sources-jar/org/jooq/meta/extensions/AbstractInterpretingDatabase.java

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/**

* The DDL database.

* <p>

* This meta data source parses a set of SQL scripts, translates them to the H2

* dialect and runs them on an in-memory H2 database before reverse engineering

* the outcome.

* <p>

* The SQL scripts are located in the `<code>scripts</code>` scripts property
* available from { @link #getProperties()}.
*
* @author Lukas Eder
*/

Found in path(s):

* /opt/cola/permits/1340815815_1654719674.1983817/0/jooq-meta-extensions-3-16-4-sources-jar/org/jooq/meta/extensions/ddl/DDLDatabase.java

1.152 apache-calcite-avatica-metrics 1.18.0

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1.153 brave-instrumentation-apache-httpclient-v 5.13.2

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1.154 apache-tomcat-embed 9.0.60

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- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
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jar/org/springframework/cloud/sleuth/SamplerFunction.java
* /opt/cola/permits/1340815756_1654719665.5630167/0/spring-cloud-sleuth-api-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/annotation/NoOpTagValueResolver.java
* /opt/cola/permits/1340815756_1654719665.5630167/0/spring-cloud-sleuth-api-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/http/Response.java
* /opt/cola/permits/1340815756_1654719665.5630167/0/spring-cloud-sleuth-api-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/http/HttpClientRequest.java
* /opt/cola/permits/1340815756_1654719665.5630167/0/spring-cloud-sleuth-api-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/http/Request.java
* /opt/cola/permits/1340815756_1654719665.5630167/0/spring-cloud-sleuth-api-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/annotation/TagValueExpressionResolver.java
* /opt/cola/permits/1340815756_1654719665.5630167/0/spring-cloud-sleuth-api-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/annotation/SpanTag.java
* /opt/cola/permits/1340815756_1654719665.5630167/0/spring-cloud-sleuth-api-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/http/HttpRequest.java

1.159 Iz4-and-xxhash 1.8.0

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Found in path(s):

* /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/lz4/LZ4DecompressorWithLength.java

* /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/lz4/LZ4CompressorWithLength.java

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Found in path(s):

* /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/overview.html

* /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/xxhash/package.html

* /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/lz4/package.html

* /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/util/package.html

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- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/xxhash/XXHash64JNI.java
- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/xxhash/XXHash64.java
- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/xxhash/StreamingXXHash64JNI.java
- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/xxhash/StreamingXXHash64.java
- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/xxhash/AbstractStreamingXXHash64Java.java

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- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/lz4/LZ4FrameInputStream.java
- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/lz4/LZ4FrameOutputStream.java

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- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/xxhash/XXHash32.java
- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/lz4/LZ4BlockOutputStream.java
- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/util/UnsafeUtils.java
- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/lz4/LZ4BlockInputStream.java
- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/util/ByteBufferUtils.java
- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/lz4/LZ4Decompressor.java
- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/util/Utils.java
- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/lz4/LZ4JNICompressor.java
- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/lz4/LZ4Compressor.java
- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/xxhash/XXHashJNI.java
- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/util/SafeUtils.java
- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/xxhash/StreamingXXHash32.java
- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/xxhash/StreamingXXHash32JNI.java
- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/xxhash/XXHash32JNI.java
- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/lz4/LZ4SafeDecompressor.java
- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/util/Native.java
- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/lz4/LZ4Exception.java
- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/lz4/LZ4Factory.java
- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/lz4/LZ4UnsafeUtils.java
- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/lz4/LZ4JNI.java
- * /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/xxhash/AbstractStreamingXXHash32Java.java

* /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/xxhash/XXHashFactory.java
* /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/lz4/LZ4ByteBufferUtils.java
* /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/lz4/LZ4FastDecompressor.java
* /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/lz4/LZ4JNISafeDecompressor.java
* /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/lz4/LZ4UnknownSizeDecompressor.java
* /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/lz4/LZ4Constants.java
* /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/xxhash/XXHashConstants.java
* /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/lz4/LZ4JNIFastDecompressor.java
* /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/lz4/LZ4Utils.java
* /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/lz4/LZ4HCJNICompressor.java
* /opt/cola/permits/1340816063_1654804394.0569026/0/lz4-java-1-8-0-sources-jar/net/jpountz/lz4/LZ4SafeUtils.java

1.160 javassist 3_26_0_ga

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```
* /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-
jar/dk/brics/automaton/BasicAutomata.java
* /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-
jar/dk/brics/automaton/TransitionComparator.java
* /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-
jar/dk/brics/automaton/DatatypesAutomatonProvider.java
* /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-
jar/dk/brics/automaton/Automaton.java
* /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-
jar/dk/brics/automaton/Datatypes.java
```

* /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/SpecialOperations.java
* /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/BasicOperations.java
* /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/StatePair.java
* /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/MinimizationOperations.java
* /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/State.java
* /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/ShuffleOperations.java
* /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/RunAutomaton.java
* /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/RegExp.java
* /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/AutomatonProvider.java
* /opt/cola/permits/1162863214_1620924489.9/0/automaton-1-11-8-sources-6-jar/dk/brics/automaton/Transition.java

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/*

* dk.brics.automaton - AutomatonMatcher

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1.165 spring-webflux 5.3.18

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 */
```

Found in path(s):

```
* /opt/cola/permits/1331473649_1653510392.001332/0/1463-annotations-17-0-0-sources-
zip/org/jetbrains/annotations/TestOnly.java
* /opt/cola/permits/1331473649_1653510392.001332/0/1463-annotations-17-0-0-sources-
zip/org/intellij/lang/annotations/Flow.java
* /opt/cola/permits/1331473649_1653510392.001332/0/1463-annotations-17-0-0-sources-
zip/org/jetbrains/annotations/Nls.java
No license file was found, but licenses were detected in source scan.
```

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 */
```

Found in path(s):

```
*/opt/cola/permits/1331473649_1653510392.001332/0/1463-annotations-17-0-0-sources-
zip/org/intellij/lang/annotations/Identifier.java
*/opt/cola/permits/1331473649_1653510392.001332/0/1463-annotations-17-0-0-sources-
zip/org/intellij/lang/annotations/RegExp.java
*/opt/cola/permits/1331473649_1653510392.001332/0/1463-annotations-17-0-0-sources-
zip/org/intellij/lang/annotations/Subst.java
*/opt/cola/permits/1331473649_1653510392.001332/0/1463-annotations-17-0-0-sources-
zip/org/intellij/lang/annotations/Language.java
*/opt/cola/permits/1331473649_1653510392.001332/0/1463-annotations-17-0-0-sources-
zip/org/intellij/lang/annotations/Pattern.java
*/opt/cola/permits/1331473649_1653510392.001332/0/1463-annotations-17-0-0-sources-
zip/org/intellij/lang/annotations/PrintFormat.java
```

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 */
```

Found in path(s):


```
* /opt/cola/permits/1331473649_1653510392.001332/0/1463-annotations-17-0-0-sources-
zip/org/jetbrains/annotations/NotNull.java
* /opt/cola/permits/1331473649_1653510392.001332/0/1463-annotations-17-0-0-sources-
zip/org/intellij/lang/annotations/JdkConstants.java
No license file was found, but licenses were detected in source scan.
```

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*/
```

Found in path(s):

```
* /opt/cola/permits/1331473649_1653510392.001332/0/1463-annotations-17-0-0-sources-
zip/org/jetbrains/annotations/PropertyKey.java
* /opt/cola/permits/1331473649_1653510392.001332/0/1463-annotations-17-0-0-sources-
zip/org/jetbrains/annotations/NonNls.java
```

1.167 kafka-schema-registry-client 7.0.1

1.167.1 Available under license :

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```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en" dir="ltr">
<head>
<title>PostgreSQL JDBC License</title>
<meta http-equiv="Content-Type" content="text/xhtml; charset=utf-8" />
<meta name="description" content="The official site for the PostgreSQL JDBC Driver" />
<meta name="copyright" content="The PostgreSQL Global Development Group" />

<style type="text/css" media="screen" title="Normal Text">@import url("../media/css/base.css");</style>

<link rel="shortcut icon" href="../media/favicon.ico" />

<!--
<script type="text/javascript">
var _gaq = _gaq || [];
_gaq.push(['_setAccount', 'UA-1345454-1']);
_gaq.push(['_trackPageview']);
(function() {
var ga = document.createElement('script'); ga.type = 'text/javascript'; ga.async = true;
ga.src = ('https:' == document.location.protocol ? 'https://ssl' : 'http://www') + '.google-analytics.com/ga.js';
var s = document.getElementsByTagName('script')[0]; s.parentNode.insertBefore(ga, s);
})();
</script>
-->
</head>

<body>
<div id="pgContainerWrap">
<div id="pgContainer">

<span class="txtOffScreen"><a href="#pgContent" title="Skip site navigation" accesskey="1">Skip site
navigation</a> (1)</span>
<span class="txtOffScreen"><a href="#pgContentWrap" title="Skip section navigation" accesskey="2">Skip
section navigation</a> (2)</span>

<div id="pgHeaderContainer">

<div id="pgSearch">

<!-- Old pgjdbc form -->
<form action="https://www.google.com/search" method="get">
<input value="jdbc.postgresql.org" name="sitesearch" type="hidden" />
<input id="q" name="q" type="text" size="20" maxlength="255" onfocus="if( this.value==this.defaultValue )
this.value=";" value="Google Search" accesskey="s" />
<!-- <input onFocus="getBlank (this, 'Search the site with google');" size="25" name="q" id="query" type="text"
-->
```

```

value="Search the site with google">&nbsp; -->
    <input name="Search" value="Search" type="submit" />
</form>

<!-- New PostgreSQL form
<form method="get" action="search/">
<div>
    <h2 class="pgBlockHide"><label for="q">Search</label></h2>
    <input id="q" name="q" type="text" size="20" maxlength="255" onfocus="if( this.value==this.defaultValue
this.value=";" value="Search" accesskey="s" />
    <input name="a" type="hidden" value="1"/>
    <input id="submit" name="submit" type="submit" value="Search" />
</div>
</form>
-->

</div> <!-- pgSearch -->
<br />

<div id="pgHeader">
<div id="pgHeaderLogoLeft">
    
    <map name="maplinks">
        <area shape="rect" coords="0,0,231,80" alt="PostgreSQL" href="https://postgresql.org" />
        <area shape="rect" coords="232,0,390,80" alt="PostgreSQL JDBC Driver" href="https://jdbc.postgresql.org" />
    </map>
</div>
<div id="pgHeaderLogoRight">
    <a href="https://postgresql.org">
        
    </a>
</div>
</div> <!-- pgHeader -->

<div id="pgTopNav">
<div id="pgTopNavLeft">
    
</div>
<div id="pgTopNavRight">
    
</div>
<ul id="pgTopNavList">
<li><a href="../../index.html" title="Home">Home</a></li>
<li><a href="../../about/about.html" title="About">About</a></li>
<li><a href="../../download.html" title="Download">Download</a></li>
<li><a href="../../documentation/documentation.html" title="Documentation">Documentation</a></li>
<li><a href="../../community/community.html" title="Community">Community</a></li>

```

```
<li><a href=" ../development/development.html" title="Development">Development</a></li>
</ul>
</div> <!-- pgTopNav -->
</div> <!-- pgHeaderContainer -->
```

```
<div id="pgContent">
<div id="pgSideWrap">
<div id="pgSideNav">
<ul>
<li><a href="about.html">About</a></li>
<li><a href="license.html">License</a></li>
<li><a href="extras.html">Extras</a></li>
</ul>
</div> <!-- pgSideNav -->
</div> <!-- pgSideWrap -->
```

```
<div id="pgContentWrap">
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<p>
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though, it's only half a page.
</p>
<hr />
```

```
<pre style="font-family: monospace,'Courier'; background-color: #f9f9f9; padding: 1em; border: 1px solid #ddd">
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```

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```
</div> <!-- pgContentWrap -->
```

```
<br class="pgClearBoth" />
```

```
</div> <!-- pgContent -->
```

```
<hr />
```

```
<div id="pgFooter">
```

```
<a class="navFooter" href="https://www.postgresql.org/about/privacypolicy">Privacy Policy</a> |
```

```
<a class="navFooter" href="https://www.postgresql.org/about/">About PostgreSQL</a><br/>
```

```
Copyright &copy; 1996-2020 The PostgreSQL Global Development Group
```

```
</div> <!-- pgFooter -->
```

```
</div> <!-- pgContainer -->
```

```
</div> <!-- pgContainerWrap -->
```

```
</body>
```

```
</html>
```

kafka-connect-jdbc

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Last updated: 9 October 2018

```
<!DOCTYPE html><html class="wp"><head><meta charSet="utf-8"/><meta http-equiv="x-ua-compatible" content="ie=edge"/><meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-fit=no"/><style data-href="/styles.bac76730c08e59a2e76d.css">.style-module--anchorLinks--2mh4W{text-align:center}@media screen and (min-width:992px){.style-module--anchorLinks--2mh4W{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:center;justify-content:center;margin:3px 0}}.style-module--link--1Ko78{color:#0074a2;text-transform:uppercase;font-weight:700;letter-spacing:1.2px;font-size:12px;display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;position:relative;margin:0 20px;padding:10px 0}@media screen and (max-width:991px){.style-module--link--1Ko78:first-of-type{margin-top:0;padding-top:0}}@media screen and (max-width:991px){.style-module--link--1Ko78:last-of-type{margin-bottom:0;padding-bottom:0}}@media screen and (max-width:991px){.style-module--link--1Ko78{display:block;margin:20px 0}}@media screen and (min-width:992px){.style-module--link--1Ko78:not(:last-of-type):after{content:"";width:1px;height:30px;background:rgba(130,148,148,.25);position:absolute;right:-20px}}.style-module--animationElement--XoaLp{opacity:1}@media screen and (min-width:992px){.style-module--animationElement--XoaLp{opacity:0}.style-module--animationElement--XoaLp.style-module--fromTop--2tsTM{-webkit-animation:style-module--fromTop--2tsTM .3s cubic-bezier(.21,.78,.76,.78) forwards;animation:style-module--fromTop--2tsTM .3s cubic-bezier(.21,.78,.76,.78) forwards}.style-module--animationElement--XoaLp.style-module--fromRight--3EeXz{-webkit-animation:style-module--fromRight--3EeXz .5s cubic-bezier(.21,.78,.76,.78) forwards;animation:style-module--fromRight--3EeXz .5s cubic-bezier(.21,.78,.76,.78) forwards}.style-module--animationElement--XoaLp.style-module--fromBottom--6dP9P{-webkit-animation:style-module--fromBottom--6dP9P .5s cubic-bezier(.21,.78,.76,.78) forwards;animation:style-module--fromBottom--6dP9P .5s cubic-bezier(.21,.78,.76,.78) forwards}.style-module--animationElement--XoaLp.style-module--fromLeft--1q-9z{-webkit-animation:style-module--fromLeft--1q-9z .5s cubic-bezier(.21,.78,.76,.78) forwards;animation:style-module--fromLeft--1q-9z .5s cubic-bezier(.21,.78,.76,.78) forwards}.style-module--animationElement--XoaLp.style-module--fadeIn--1P3t4{-webkit-animation:style-module--fadeIn--1P3t4 .5s cubic-bezier(.21,.78,.76,.78) forwards;animation:style-module--fadeIn--1P3t4 .5s cubic-bezier(.21,.78,.76,.78) forwards}}@-webkit-keyframes style-module--fromTop--2tsTM{0%{opacity:0;transform:translateY(-15%)}to{opacity:1;transform:translateY(0)}}@keyframes style-module--fromTop--2tsTM{0%{opacity:0;transform:translateY(-15%)}to{opacity:1;transform:translateY(0)}}@-webkit-keyframes
```

```

style-module--fromRight--
3EeXz{0%{transform:translateX(5%);opacity:0}50%{transform:translateX(0)}95%{opacity:1}to{transform:translateX(0);opacity:1}}@keyframes style-module--fromRight--
3EeXz{0%{transform:translateX(5%);opacity:0}50%{transform:translateX(0)}95%{opacity:1}to{transform:translateX(0);opacity:1}}@-webkit-keyframes style-module--fromBottom--
6dP9P{0%{opacity:0;transform:translateY(15%)}to{opacity:1;transform:translateY(0)}}@keyframes style-module--fromBottom--6dP9P{0%{opacity:0;transform:translateY(15%)}to{opacity:1;transform:translateY(0)}}@-webkit-keyframes style-module--fromLeft--1q-9z{0%{transform:translateX(-7%);opacity:0}50%{transform:translateX(0)}to{transform:translateX(0);opacity:1}}@keyframes style-module--fromLeft--1q-9z{0%{transform:translateX(-7%);opacity:0}50%{transform:translateX(0)}to{transform:translateX(0);opacity:1}}@-webkit-keyframes style-module--fadeIn--1P3t4{to{opacity:1}}@keyframes style-module--fadeIn--1P3t4{to{opacity:1}}.style-module--overlay--
3uWjl{background:rgba(0,0,0,.75);width:100%;height:100%;left:0;top:0;opacity:1;position:fixed;transition:all .25s ease-in-out;z-index:100}.style-module--button--K11_E{transition:all .5s ease-in-out;transition:all .5s cubic-bezier(.785,.135,.15,.86);border-radius:6px;border-style:solid;border-width:1px;display:inline-block;font-size:12px;font-weight:700;letter-spacing:.9px;line-height:1.5;padding:12px 30px;text-align:center;text-decoration:none;text-transform:uppercase;position:relative}.style-module--button--K11_E:hover{cursor:pointer;text-decoration:none}.style-module--button--K11_E.style-module--island--3qX2T{background-color:#38cccd;border-color:#38cccd;color:#fff}.style-module--button--K11_E.style-module--island--3qX2T:hover{background:#173361;border-color:#173361}.style-module--button--K11_E.style-module--island--3qX2T:disabled{background-color:#ccc;border-color:#ccc;color:#666;cursor:not-allowed}.style-module--button--K11_E.style-module--denim--S1xvF{background-color:#173361;border-color:#173361;color:#fff}.style-module--button--K11_E.style-module--denim--S1xvF:hover{background:#0074a2;border-color:#0074a2}.style-module--button--K11_E.style-module--denimOutline--1Y1tC{background-color:transparent;border-color:#173361;color:#173361}.style-module--button--K11_E.style-module--denimOutline--1Y1tC:hover{background:#173361;color:#fff}.style-module--button--K11_E.style-module--white--3e10p{background-color:#fff;border-color:#fff;color:#173361}.style-module--button--K11_E.style-module--white--3e10p:hover{background:transparent;color:#fff}.style-module--button--K11_E.style-module--whiteOutline--3cb-h{background-color:transparent;border-color:#fff;color:#fff}.style-module--button--K11_E.style-module--whiteOutline--3cb-h:hover{background:#fff;color:#173361}.style-module--button--K11_E.style-module--purple--1TxqH{background-color:#431d73;border-color:#431d73;color:#fff}.style-module--button--K11_E.style-module--purple--1TxqH:hover{background:transparent;border-color:#431d73;color:#431d73}.style-module--button--K11_E.style-module--purpleOutline--1C3T-{background-color:transparent;border-color:#431d73;color:#431d73}.style-module--button--K11_E.style-module--purpleOutline--1C3T:~hover{background:#431d73;color:#fff}.style-module--button--K11_E.style-module--green--2BSuQ{background-color:#159e86;border-color:#159e86;color:#fff}.style-module--button--K11_E.style-module--green--2BSuQ:hover{background:transparent;border-color:#159e86;color:#159e86}.style-module--button--K11_E.style-module--greenOutline--25Pg7{background-color:transparent;border-color:#159e86;color:#159e86}.style-module--button--K11_E.style-module--greenOutline--25Pg7:hover{background:#159e86;color:#fff}.style-module--button--K11_E.style-module--blue--sASBN{background-color:#0dacc;border-color:#0dacc;color:#fff}.style-module--button--K11_E.style-module--blue--sASBN:hover{background:transparent;border-color:#0dacc;color:#0dacc}.style-module--button--K11_E.style-module--blueOutline--yXs7S{background-color:transparent;border-color:#0dacc;color:#0dacc}.style-module--button--K11_E.style-module--blueOutline--yXs7S:hover{background:#0dacc;color:#fff}.style-module--button--K11_E.style-module--orange--3FGxM{background-color:#e37d62;border-color:#e37d62;color:#fff}.style-module--button--K11_E.style-module--orange--3FGxM:hover{background:transparent;border-color:#e37d62;color:#e37d62}.style-module--button--K11_E.style-module--orangeOutline--Omcu9{background-color:transparent;border-

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color:#e37d62;color:#e37d62}.style-module--button--K11_E.style-module--orangeOutline--
Omcu9:hover{background:#e37d62;color:#fff}.style-module--button--K11_E.style-module--grey--
2lpBY{background-color:#58788c;border-color:#58788c;color:#fff}.style-module--button--K11_E.style-module--
grey--2lpBY:hover{background:transparent;border-color:#58788c;color:#58788c}.style-module--button--
K11_E.style-module--greyOutline--3JM3v{background-color:transparent;border-
color:#58788c;color:#58788c}.style-module--button--K11_E.style-module--greyOutline--
3JM3v:hover{background:#58788c;color:#fff}.style-module--button--K11_E.style-module--boxShadow--
32GhS{padding:50px 30px;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;border:1px
solid rgba(130,148,148,.25);border-radius:8px;margin:0 5px;transition:all .3s ease}.style-module--button--
K11_E.style-module--boxShadow--32GhS.style-module--fromBottom--1KdMI:after{opacity:0;bottom:-5%}.style-
module--button--K11_E.style-module--boxShadow--32GhS.style-module--fromBottom--
1KdMI:hover:after{opacity:1;bottom:5px}.style-module--button--K11_E.style-module--boxShadow--32GhS.style-
module--fromLeft--mzMqk:after{opacity:0;top:calc(50% - 9px);right:6px}.style-module--button--K11_E.style-
module--boxShadow--32GhS.style-module--fromLeft--mzMqk:hover:after{opacity:1;right:1px}.style-module--
button--K11_E.style-module--boxShadow--
32GhS:after{content:"";position:absolute;width:20px;height:20px;background-
image:url("https://d33wubrfki0l68.cloudfront.net/1d1bc6e441a34bc38df8118a4d8541cffeba6412/13d9c/icons/arrow
_line.inline.svg");background-repeat:no-repeat;transition:all .3s ease}.style-module--button--K11_E.style-module--
boxShadow--32GhS img{-o-object-fit:contain;object-fit:contain}.style-module--button--K11_E.style-module--
boxShadow--32GhS:after{box-shadow:0 4px 15px rgba(0,0,0,.25)}.style-module--button--
K11_E:disabled{background-color:rgba(130,148,148,.25)!important;cursor:not-allowed!important;border-
color:rgba(130,148,148,.25)!important}.style-module--footnote--2QqUZ{font-weight:300;font-
size:12px;color:#000;display:block;margin-top:15px}.style-module--arrow--
2RnsV{position:relative;cursor:pointer}.style-module--arrow--2RnsV:after,.style-module--arrow--
2RnsV:before{content:"";position:absolute;background-color:#173361;transition:all .4s cubic-
bezier(1,.07,.28,1.04);width:15px;height:2px}.style-module--left--fNXOv:before,.style-module--right--
1dAD9:after{-ms-transform:rotate(-45deg);transform:rotate(-45deg)}.style-module--left--fNXOv:after,.style-
module--right--1dAD9:before{-ms-transform:rotate(45deg);transform:rotate(45deg)}.style-module--left--
fNXOv:after,.style-module--left--fNXOv:before,.style-module--right--1dAD9:after,.style-module--right--
1dAD9:before{left:0}.style-module--left--fNXOv.style-module--sm--ib37X:after,.style-module--left--fNXOv.style-
module--sm--ib37X:before,.style-module--right--1dAD9.style-module--sm--ib37X:after,.style-module--right--
1dAD9.style-module--sm--ib37X:before{width:8px}.style-module--left--fNXOv.style-module--sm--
ib37X:before,.style-module--right--1dAD9.style-module--sm--ib37X:before{top:3px}.style-module--left--
fNXOv.style-module--sm--ib37X:after,.style-module--right--1dAD9.style-module--sm--ib37X:after{top:9px}.style-
module--left--fNXOv.style-module--md--1r7eR:before,.style-module--right--1dAD9.style-module--md--
1r7eR:before{top:5px}.style-module--left--fNXOv.style-module--md--1r7eR:after,.style-module--right--
1dAD9.style-module--md--1r7eR:after{top:15px}.style-module--down--cdTKv:before{-ms-
transform:rotate(45deg);transform:rotate(45deg)}.style-module--down--cdTKv:after{-ms-transform:rotate(-
45deg);transform:rotate(-45deg)}.style-module--up--1TDMI:before{-ms-
transform:rotate(135deg);transform:rotate(135deg)}.style-module--up--1TDMI:after{-ms-transform:rotate(-
135deg);transform:rotate(-135deg)}.style-module--down--cdTKv:after,.style-module--up--
1TDMI:after{left:11px}.style-module--down--cdTKv.style-module--sm--ib37X:after,.style-module--down--
cdTKv.style-module--sm--ib37X:before,.style-module--up--1TDMI.style-module--sm--ib37X:after,.style-module--
up--1TDMI.style-module--sm--ib37X:before{width:11px}.style-module--down--cdTKv.style-module--sm--
ib37X:after,.style-module--up--1TDMI.style-module--sm--ib37X:after{left:7px}.style-module--theme_white--
2Exob:after,.style-module--theme_white--2Exob:before{background-color:#fff}.style-module--theme_denim--
2OIpA:after,.style-module--theme_denim--2OIpA:before{background-color:#173361}.style-module--
theme_academy--1Az4R:after,.style-module--theme_academy--1Az4R:before{background-color:#0074a2}.style-

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module--title--mJiQI{color:#173361;font-size:18px;font-weight:700;line-height:23px;margin:0;padding:0}.style-
 module--title--mJiQI a{color:#173361;text-decoration:underline}.style-module--label--sGt7o{color:#173361;font-
 size:12px;font-weight:500;line-height:2.67;letter-spacing:2px;line-height:1;margin-bottom:15px;text-
 transform:uppercase}.style-module--main--1i9BQ{color:#0074a2}.style-module--subtitle--
 1iPNp{color:#829494}.style-module--main--1i9BQ+.style-module--subtitle--1iPNp:before{content:"| "}.style-
 module--footnote--szfSW{position:absolute;top:calc(100% + 10px);left:0;right:0;font-weight:300;font-
 size:12px;color:#000}.style-module--card--2PEGL{background-color:#fff;border-radius:8px;margin-
 bottom:10px;padding:25px;display:-ms-flexbox;display:flex;position:relative;color:#173361;font-size:16px;font-
 weight:300;line-height:25px;letter-spacing:0}.style-module--card--2PEGL:first-child:last-child{margin-
 bottom:0}.style-module--card--2PEGL.style-module--style_list--3UZC3.style-module--blurb--3eRls
 ul{margin:0;padding:0;list-style:none}.style-module--card--2PEGL.style-module--style_stack--3ie4F{text-
 align:center}@media screen and (max-width:767px){.style-module--card--2PEGL.style-module--style_stack--
 3ie4F{margin-top:10px}.style-module--card--2PEGL.style-module--style_stack--3ie4F.style-module--hasFootnote--
 2yz-c{margin-bottom:30px}}@media screen and (max-width:767px){.style-module--card--2PEGL.style-module--
 style_stack--3ie4F+.style-module--style_stack--3ie4F{margin-top:30px}}.style-module--card--2PEGL.style-
 module--style_stack--3ie4F.style-module--content--ycnjO{-ms-flex-direction:column;flex-direction:column}.style-
 module--card--2PEGL.style-module--style_stack--3ie4F.style-module--iconContainer--
 3JNL4{position:absolute;top:0;left:50%;-ms-transform:translate(-50%,-45px);transform:translate(-50%,-
 45px);margin:0}.style-module--card--2PEGL.style-module--style_stack--3ie4F.style-module--iconContainer--
 3JNL4+.style-module--main--okEB_{margin-top:20px}.style-module--card--2PEGL.style-module--style_stack--
 3ie4F.style-module--blurb--3eRls{margin-top:25px}.style-module--card--2PEGL.style-module--style_stack--3ie4F
 .style-module--ctaContainer--3OCCE{margin-top:50px;margin-bottom:25px}.style-module--card--2PEGL.style-
 module--border--2oZLL{border:4px solid}.style-module--card--2PEGL.style-module--border--2oZLL.style-
 module--border_gray--hLEki{border-color:hsla(0,0%,96.1%,.85)!important}.style-module--card--2PEGL.style-
 module--island--21OU8 span{color:#173361}.style-module--card--2PEGL.style-module--island--21OU8
 h3{color:#38cccd}.style-module--clickable--8zs5X{cursor:pointer}.style-module--clickable--8zs5X.style-module--
 arrow--1waU4{position:absolute;right:40px;top:50%;-ms-transform:translateY(-50%);transform:translateY(-
 50%)}.style-module--clickable--8zs5X.style-module--main--okEB_{margin-right:100px}@media screen and (max-
 width:767px){.style-module--clickable--8zs5X.style-module--main--okEB_{margin-right:0}}.style-module--
 clickable--8zs5X:~h3 a{text-decoration:underline}.style-module--content--ycnjO{display:-ms-
 flexbox;display:flex;-ms-flex:1 1;flex:1 1;position:relative}.style-module--content--ycnjO p{margin-
 top:10px}.style-module--content--ycnjO p:last-child{margin-bottom:0}.style-module--content--ycnjO .style-
 module--iconContainer--3JNL4{margin-right:15px}.style-module--main--okEB_{-ms-flex:1 1;flex:1 1;display:-ms-
 flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;-ms-flex-pack:justify;justify-content:space-
 between}.style-module--ctaContainer--3OCCE{margin-top:25px}@media screen and (max-width:767px){.style-
 module--cardPerson--oCaWX.style-module--content--ycnjO{-ms-flex-direction:column;flex-
 direction:column}}@media screen and (max-width:767px){.style-module--cardPerson--oCaWX.style-module--
 content--ycnjO h3,.style-module--cardPerson--oCaWX.style-module--iconContainer--3JNL4{text-
 align:center}}.style-module--cardPerson--oCaWX.style-module--iconContainer--3JNL4
 img{width:100px;height:auto;border-radius:50%}@media screen and (max-width:767px){.style-module--arrow--
 1waU4{display:none}}.style-module--blurb--3eRls{margin-top:10px;margin-bottom:auto}.style-module--
 image_top--1EEoe{-ms-flex-direction:column;flex-direction:column}.style-module--image_top--1EEoe.style-
 module--content--ycnjO{margin:25px 0 0}@media screen and (max-width:991px){.style-module--image_left--
 CsqNI.style-module--content--ycnjO{-ms-flex-direction:column;flex-direction:column}}.style-module--image_left-
 CsqNI.style-module--content--ycnjO.style-module--main--okEB_{margin:25px}@media screen and (max-
 width:991px){.style-module--image_left--CsqNI.style-module--content--ycnjO.style-module--main--
 okEB_{margin:25px 0 0}}.style-module--image_left--CsqNI.style-module--imageContainer--r_DS-
 {width:468px}@media screen and (max-width:991px){.style-module--image_left--CsqNI.style-module--

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imageContainer--r_DS-{width:100%}}.style-module--container--3NHJW .slick-current{z-index:1}.style-module--
container--3NHJW .slick-prev{left:0}.style-module--container--3NHJW .slick-next{right:0}.style-module--
container--3NHJW.style-module--defaultArrows--V48oD .slick-arrow{position:absolute;top:50%;z-
index:12;height:80px;margin-top:-40px;font-size:0;width:0;opacity:0;transition:all .3s ease;text-
align:center;color:#fff;background:rgba(0,0,0,.7);outline:0;border:none}.style-module--container--3NHJW.style-
module--defaultArrows--V48oD .slick-arrow:before{line-height:80px;display:inline-block;font-
family:FontAwesome;font-size:40px}.style-module--container--3NHJW.style-module--defaultArrows--V48oD
.slick-arrow:hover{-ms-transform:scale(1.1);transform:scale(1.1)}.style-module--container--3NHJW.style-module--
defaultArrows--V48oD .slick-prev{left:0;border-radius:0 40px 40px 0}.style-module--container--3NHJW.style-
module--defaultArrows--V48oD .slick-prev:before{content:"\F104";padding-right:15px}.style-module--container--
3NHJW.style-module--defaultArrows--V48oD .slick-next{right:0;border-radius:40px 0 0 40px}.style-module--
container--3NHJW.style-module--defaultArrows--V48oD .slick-next:before{content:"\F105";padding-
left:10px}.style-module--container--3NHJW.style-module--defaultArrows--V48oD:hover .slick-
arrow{opacity:1;width:55px}.style-module--container--3NHJW.style-module--simpleArrows--1nTC0{display:-ms-
flexbox;display:flex;-ms-flex-align:center;align-items:center}.style-module--container--3NHJW.style-module--
simpleArrows--1nTC0 .slick-arrow{background:none;color:transparent;z-index:10}@media screen and (max-
width:991px){.style-module--container--3NHJW.style-module--simpleArrows--1nTC0 .slick-
arrow{display:none}}.style-module--container--3NHJW.style-module--simpleArrows--1nTC0 .slick-list{-ms-flex:1
1;flex:1 1;margin:0 30px}.style-module--container--3NHJW.style-module--simpleArrows--1nTC0 .style-module--
dots--2oV0K{position:absolute;top:100%;left:50%;-ms-transform:translate(-50%,20px);transform:translate(-
50%,20px);margin:0}.style-module--dots--2oV0K{display:block;margin:20px 0 0;padding:0;list-style:none;text-
align:center}.style-module--dots--2oV0K li{cursor:pointer;display:inline-block;margin-right:10px}.style-module--
dots--2oV0K li:last-child{margin-right:0}.style-module--dots--2oV0K li
span{width:12px;height:12px;background:#fff;border-radius:50%;display:block;border:1px solid #173361}.style-
module--dots--2oV0K li.slick-active span{background:#173361}.style-module--theme_academy--1hgrC .style-
module--dots--2oV0K li span{border-color:#0074a2}.style-module--theme_academy--1hgrC .style-module--dots--
2oV0K li.slick-active span{background:#0074a2}.style-module--close--f6-
7U{position:absolute;right:10px;top:10px;cursor:pointer;opacity:.5;height:25px;width:25px;z-index:3;transition:all
.25s ease-in-out}.style-module--close--f6-7U:hover{opacity:1;-ms-transform:scale(.9);transform:scale(.9)}.style-
module--close--f6-7U:after,.style-module--close--f6-7U:before{position:absolute;left:15px;content:"
";height:20px;width:2px;background-color:#173361}.style-module--close--f6-7U:before{-ms-
transform:rotate(45deg);transform:rotate(45deg)}.style-module--close--f6-7U:after{-ms-transform:rotate(-
45deg);transform:rotate(-45deg)}.style-module--grid--3kV-8{display:-ms-flexbox;display:flex;-ms-flex-
wrap:wrap;flex-wrap:wrap;-ms-flex-pack:start;justify-content:flex-start;width:100%}@media screen and (max-
width:767px){.style-module--grid--3kV-8{-ms-flex-direction:column;flex-direction:column}}.style-module--grid--
3kV-8>div{margin:0;width:100%}@media screen and (max-width:767px){.style-module--grid--3kV-
8>div+div{margin-top:10px}}.style-module--grid--3kV-8.style-module--col1--2h_Ja>div+div{margin-
top:10px}@media screen and (min-width:768px){.style-module--grid--3kV-8.style-module--col2--
2p2M7>div{margin-top:10px;width:calc((100% - 10px)/2)}.style-module--grid--3kV-8.style-module--col2--
2p2M7>div:nth-child(2n){margin-left:10px}.style-module--grid--3kV-8.style-module--col2--2p2M7>div:first-
child,.style-module--grid--3kV-8.style-module--col2--2p2M7>div:nth-child(2){margin-top:0}}@media screen and
(min-width:768px){.style-module--grid--3kV-8.style-module--col3--3TXIt>div{margin-top:10px;margin-
left:10px;width:calc((100% - 20px)/3)}.style-module--grid--3kV-8.style-module--col3--3TXIt>div:nth-
child(3n+1){margin-left:0}.style-module--grid--3kV-8.style-module--col3--3TXIt>div:first-child,.style-module--
grid--3kV-8.style-module--col3--3TXIt>div:nth-child(2),.style-module--grid--3kV-8.style-module--col3--
3TXIt>div:nth-child(3){margin-top:0}}@media screen and (min-width:768px) and (max-width:991px){.style-
module--grid--3kV-8.style-module--col4--3H2qW>div{margin-top:10px;margin-left:10px;width:calc((100% -
10px)/2)}.style-module--grid--3kV-8.style-module--col4--3H2qW>div:nth-child(odd){margin-left:0}.style-module-

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-grid--3kV-8.style-module--col4--3H2qW>div:first-child,.style-module--grid--3kV-8.style-module--col4--3H2qW>div:nth-child(2){margin-top:0}}@media screen and (min-width:992px){.style-module--grid--3kV-8.style-module--col4--3H2qW>div{margin-top:10px;margin-left:10px;width:calc((100% - 30px)/4)}.style-module--grid--3kV-8.style-module--col4--3H2qW>div:nth-child(4n+1){margin-left:0}.style-module--grid--3kV-8.style-module--col4--3H2qW>div:first-child,.style-module--grid--3kV-8.style-module--col4--3H2qW>div:nth-child(2),.style-module--grid--3kV-8.style-module--col4--3H2qW>div:nth-child(3),.style-module--grid--3kV-8.style-module--col4--3H2qW>div:nth-child(4){margin-top:0}}@media screen and (min-width:768px){.style-module--grid--3kV-8.style-module--col5--1Ve_W>div{margin-top:10px;margin-left:10px;width:calc((100% - 40px)/5)}.style-module--grid--3kV-8.style-module--col5--1Ve_W>div:nth-child(5n+1){margin-left:0}.style-module--grid--3kV-8.style-module--col5--1Ve_W>div:first-child,.style-module--grid--3kV-8.style-module--col5--1Ve_W>div:nth-child(2),.style-module--grid--3kV-8.style-module--col5--1Ve_W>div:nth-child(3),.style-module--grid--3kV-8.style-module--col5--1Ve_W>div:nth-child(4),.style-module--grid--3kV-8.style-module--col5--1Ve_W>div:nth-child(5){margin-top:0}}.style-module--required--fqVjc{display:inline-block;color:#bf0000;font-size:13px;position:relative;top:-3px}.style-module--input--3P0z6{background-color:#fff;border:2px solid hsla(0,0%,73.3%,.5);border-radius:4px;width:100%;margin-bottom:5px;color:#000;font-size:14px;font-weight:300;line-height:1.2;padding:10px}.style-module--input--3P0z6::-webkit-input-placeholder{color:#829494}.style-module--input--3P0z6::-moz-placeholder{color:#829494}.style-module--input--3P0z6:-ms-input-placeholder{color:#829494}.style-module--input--3P0z6::placeholder{color:#829494}.style-module--input--3P0z6.style-module--error--2b0DF{border-color:#d8365d}.style-module--input--3P0z6[type=checkbox].style-module--error--2b0DF+span{box-shadow:inset 0 0 2px #d8365d}.style-module--container--1xvMb{display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;position:relative;margin:0}.style-module--container--1xvMb+.style-module--container--1xvMb{margin-top:10px}.style-module--container--1xvMb .style-module--checkbox--2Ha9r,.style-module--container--1xvMb input{width:25px;height:25px}.style-module--label--2uunW{color:#000;font-size:14px;font-weight:300;line-height:1.8px;margin:0;cursor:pointer}.style-module--inputContainer--2JVku{margin-right:10px}.style-module--inputContainer--2JVku input{position:absolute;opacity:0;margin:0;z-index:1}.style-module--checkbox--2Ha9r{display:block;border:1px solid #173361;transition:all .2s ease-in-out;background:#fff;border-radius:4px;position:relative;cursor:pointer}.style-module--checkbox--2Ha9r:after{content:"";position:absolute;display:none;background-color:#173361;width:100%;height:100%}.style-module--input--CKpKC{width:auto;cursor:pointer}.style-module--input--CKpKC.style-module--error--1LQt5,.style-module--input--CKpKC:checked+.style-module--checkbox--2Ha9r:after{display:block}.style-module--input--CKpKC.style-module--error--1LQt5+.style-module--checkbox--2Ha9r{border-color:#d8365d}.style-module--sm--3v0C2 .style-module--checkbox--2Ha9r,.style-module--sm--3v0C2 input{width:15px;height:15px}.style-module--sm--3v0C2 .style-module--label--2uunW{font-size:11px;line-height:1.4px}.style-module--academy--iGYzj .style-module--checkbox--2Ha9r{border-color:#0074a2}.style-module--academy--iGYzj .style-module--checkbox--2Ha9r:after{background-color:#0074a2}.style-module--container--2hvXD,.style-module--menu--1h96n,.style-module--mobile--14cbj select{border-radius:4px;border:2px solid rgba(130,148,148,.25);background-color:#fff;padding:6px 15px;width:100%;display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-align:center;align-items:center;cursor:pointer;position:relative;color:#829494;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}@media screen and (max-width:767px){.style-module--container--2hvXD,.style-module--menu--1h96n,.style-module--mobile--14cbj select{max-width:none}}@media screen and (max-width:767px){.style-module--select--3SFO n .style-module--container--2hvXD{display:none}}.style-module--select--3SFO n .style-module--menu--1h96n{padding:0;z-index:10;position:absolute;top:38px;left:-2px;width:calc(100% + 4px);max-height:0;opacity:0;overflow:hidden;transition:all .5s ease-in-out}.style-module--select--3SFO n .style-module--menu--1h96n ul{color:#173361;margin:0;padding:0;list-style:none;text-align:left;width:100%;max-height:420px}.style-module--select--3SFO n .style-module--menu--1h96n ul li{padding:8px 15px;line-height:1.75;white-space:nowrap;text-overflow:ellipsis;overflow-x:hidden}.style-module--select--3SFO n .style-

module--menu--1h96n ul li.style-module--selected--3yaOi,.style-module--select--3SFOn .style-module--menu--1h96n ul li: hover {font-weight:700;background:hsla(0,0%,96.1%,.85)}.style-module--select--3SFOn .style-module--menu--1h96n.style-module--overflow--1RxFl ul {overflow-y:scroll}.style-module--select--3SFOn.style-module--fullWidth--2xKDP .style-module--container--2hvXD,.style-module--select--3SFOn.style-module--fullWidth--2xKDP .style-module--menu--1h96n {max-width:none}.style-module--select--3SFOn.style-module--error--3hwWy .style-module--container--2hvXD {border-color:#d8365d}.style-module--select--3SFOn.style-module--isOpen--1d_xH .style-module--container--2hvXD {color:#173361;border-bottom-left-radius:0;border-bottom-right-radius:0}.style-module--select--3SFOn.style-module--isOpen--1d_xH .style-module--menu--1h96n {max-height:420px;opacity:1;border-top-left-radius:0;border-top-right-radius:0}.style-module--select--3SFOn.style-module--hasValue--1Ju1P .style-module--container--2hvXD {color:#173361}.style-module--icon--2tH3R {margin-right:15px}.style-module--mobile--14cbj {display:none;position:relative;width:100%}@media screen and (max-width:767px){.style-module--mobile--14cbj {display:inline-block}}.style-module--mobile--14cbj select {height:40px;-webkit-appearance:none;-moz-appearance:none;appearance:none;cursor:pointer}.style-module--mobile--14cbj .style-module--icon--2tH3R {position:absolute;top:50%;right:20px}.style-module--tagline--31YwW {color:#173361;font-size:12px;font-weight:500;letter-spacing:2.33px;line-height:2.29;text-transform:uppercase;margin-bottom:10px}.style-module--tagline--31YwW a {text-decoration:underline}.style-module--hero--1nLoF {background-color:#b4e1e4;border-radius:8px;color:#173361;font-size:18px;font-weight:300;line-height:1.39;margin:85px 25px 15px}@media screen and (max-width:767px){.style-module--hero--1nLoF {border-radius:0;margin-left:0;margin-right:0}}@media print{.style-module--hero--1nLoF {margin-top:0}}.style-module--hero--1nLoF h1 {color:#173361;font-size:46px;font-weight:700;line-height:1.26;margin:0}@media screen and (max-width:767px){.style-module--hero--1nLoF h1 {font-size:28px;word-break:break-word}}.style-module--hero--1nLoF h1 a {color:inherit;text-decoration:underline}.style-module--hero--1nLoF .style-module--container--1TRql {background-size:40% 100%;background-repeat:no-repeat;background-position:100% 0;max-width:1170px;margin:0 auto;display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;padding:100px 15px;-ms-flex-pack:center;justify-content:center;text-align:center}@media print{.style-module--hero--1nLoF .style-module--container--1TRql {padding:20px 0}}@media screen and (max-width:767px){.style-module--hero--1nLoF .style-module--container--1TRql {background-image:none!important;height:auto;padding-top:50px;padding-bottom:50px}}.style-module--hero--1nLoF .style-module--container--1TRql.style-module--afterContentBottom--3LpT1 {-ms-flex-direction:column;flex-direction:column}.style-module--hero--1nLoF .style-module--container--1TRql.style-module--afterContentBottom--3LpT1 .style-module--afterContent--3dL4o {margin-top:100px}.style-module--hero--1nLoF .style-module--container--1TRql .style-module--content--34byx {line-height:1.39;font-size:18px;font-weight:300;max-width:90%;width:800px}@media screen and (max-width:991px){.style-module--hero--1nLoF .style-module--container--1TRql .style-module--content--34byx {text-align:center;margin:auto}}.style-module--hero--1nLoF .style-module--container--1TRql .style-module--content--34byx>p:first-of-type {margin-top:50px}@media screen and (max-width:767px){.style-module--hero--1nLoF .style-module--container--1TRql .style-module--content--34byx>p:first-of-type {margin-top:25px}}.style-module--hero--1nLoF .style-module--container--1TRql .style-module--content--34byx p+p {margin-top:15px}.style-module--hero--1nLoF .style-module--container--1TRql .style-module--imageContainer--ZuS-j {max-width:400px;margin-left:100px;-ms-flex-negative:0;flex-shrink:0}@media screen and (max-width:991px){.style-module--hero--1nLoF .style-module--container--1TRql .style-module--imageContainer--ZuS-j {display:none}}.style-module--hero--1nLoF .style-module--footnote--3qpiY {font-weight:300;font-size:12px;color:#000;display:block;margin-top:15px}.style-module--hero--1nLoF .style-module--ctaContainer--1IaN3 {display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;-ms-flex-align:center;align-items:center;margin-top:50px}@media screen and (max-width:767px){.style-module--hero--1nLoF .style-module--ctaContainer--1IaN3 {margin-top:25px}}@media screen and (min-width:576px){.style-module--hero--1nLoF .style-module--ctaContainer--1IaN3 {-ms-flex-direction:row;flex-direction:row;-ms-flex-pack:center;justify-content:center}}.style-module--hero--1nLoF .style-module--ctaContainer--1IaN3 .style-module--button--2qoRp {min-width:141px;padding-left:40px;padding-right:40px}@media screen and (max-

width:575px){.style-module--hero--1nLoF .style-module--ctaContainer--1IaN3 .style-module--button--2qoRp{min-width:unset;max-width:270px;width:80%}}.style-module--hero--1nLoF .style-module--ctaContainer--1IaN3 .style-module--button--2qoRp+.style-module--button--2qoRp{margin-top:10px}@media screen and (min-width:576px){.style-module--hero--1nLoF .style-module--ctaContainer--1IaN3 .style-module--button--2qoRp+.style-module--button--2qoRp{margin-left:10px;margin-top:0}}.style-module--hero--1nLoF .style-module--textLeft--HI8a_{-ms-flex-pack:start;justify-content:flex-start;text-align:left;width:95%}@media screen and (min-width:768px) and (max-width:991px){.style-module--hero--1nLoF .style-module--textLeft--HI8a_ .style-module--content--34byx{width:80%}}@media screen and (max-width:767px){.style-module--hero--1nLoF .style-module--textLeft--HI8a_ .style-module--content--34byx{width:100%;-ms-flex-pack:center;justify-content:center;text-align:center}}.style-module--hero--1nLoF .style-module--textLeft--HI8a_ .style-module--ctaContainer--1IaN3{-ms-flex-pack:center;justify-content:center}@media screen and (min-width:992px){.style-module--hero--1nLoF .style-module--textLeft--HI8a_ .style-module--ctaContainer--1IaN3{-ms-flex-pack:start;justify-content:flex-start}}.style-module--hero--1nLoF .style-module--containerImageBottom--2LKI6{padding-top:100px;height:auto;position:relative}@media screen and (min-width:768px){.style-module--hero--1nLoF .style-module--containerImageBottom--2LKI6{padding-bottom:258px}}@media screen and (max-width:767px){.style-module--hero--1nLoF .style-module--containerImageBottom--2LKI6{padding-top:50px}}.style-module--hero--1nLoF .style-module--containerImageBottom--2LKI6 .style-module--image_bottom--zOesm{margin-top:60px;max-height:400px;position:absolute;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%)}@media screen and (min-width:768px){.style-module--hero--1nLoF .style-module--containerImageBottom--2LKI6 .style-module--image_bottom--zOesm{bottom:-210px}}@media screen and (max-width:767px){.style-module--hero--1nLoF .style-module--containerImageBottom--2LKI6 .style-module--image_bottom--zOesm{display:none}}.style-module--hero--1nLoF .style-module--denim--15Zqi{background-color:#173361;color:#fff}.style-module--hero--1nLoF .style-module--denim--15Zqi h1{color:#fff}.style-module--hero--1nLoF .style-module--denim--15Zqi .style-module--tagline--jeiwh{color:#38cccd}.style-module--hero--1nLoF .style-module--academy--21rqe{background-color:#0074a2;color:#fff}.style-module--hero--1nLoF .style-module--academy--21rqe .style-module--tagline--jeiwh,.style-module--hero--1nLoF .style-module--academy--21rqe h1{color:#fff}.style-module--hero--1nLoF .style-module--island--1yBks{background-color:#38cccd;color:#fff}.style-module--hero--1nLoF .style-module--island--1yBks .style-module--tagline--jeiwh,.style-module--hero--1nLoF .style-module--island--1yBks h1{color:#fff}.style-module--hero--1nLoF .style-module--ice--1HVBN{background-color:#e6f5fb;color:#173361}.style-module--hero--1nLoF .style-module--ice--1HVBN .style-module--tagline--jeiwh,.style-module--hero--1nLoF .style-module--ice--1HVBN h1{color:#173361}.style-module--hero--1nLoF .style-module--darkPurple--3cUD3{background-color:#431d73;color:#fff}.style-module--hero--1nLoF .style-module--darkPurple--3cUD3 .style-module--tagline--jeiwh,.style-module--hero--1nLoF .style-module--darkPurple--3cUD3 h1{color:#fff}.style-module--hero--1nLoF .style-module--green--1pKLp{background-color:#159e86;color:#fff}.style-module--hero--1nLoF .style-module--green--1pKLp .style-module--tagline--jeiwh,.style-module--hero--1nLoF .style-module--green--1pKLp h1{color:#fff}.style-module--hero--1nLoF .style-module--blue--32EDh{background-color:#0dacc;color:#fff}.style-module--hero--1nLoF .style-module--blue--32EDh .style-module--tagline--jeiwh,.style-module--hero--1nLoF .style-module--blue--32EDh h1{color:#fff}.style-module--hero--1nLoF .style-module--orange--3Nn0V{background-color:#e37d62;color:#fff}.style-module--hero--1nLoF .style-module--orange--3Nn0V .style-module--tagline--jeiwh,.style-module--hero--1nLoF .style-module--orange--3Nn0V h1{color:#fff}.style-module--hero--1nLoF .style-module--grey--b1HtI{background-color:#58788c;color:#fff}.style-module--hero--1nLoF .style-module--grey--b1HtI .style-module--tagline--jeiwh,.style-module--hero--1nLoF .style-module--grey--b1HtI h1{color:#fff}.style-module--hero--1nLoF .style-module--white--2ExPf{background-color:#fff;color:#173361}.style-module--hero--1nLoF .style-module--white--2ExPf .style-module--tagline--jeiwh{color:#0074a2}.wp .style-module--hero--1nLoF{margin-top:5px!important;margin-bottom:0}.wp .style-module--hero--1nLoF p{color:#173361;line-height:1.39;font-size:18px;font-weight:300}.style-module--thankyou--2DaBZ{color:#000;font-size:28px;font-weight:500}@media screen and (max-width:767px){.style-

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module--thankyou--2DaBZ{ font-size:21px } .style-module--container--
v6Tvx{ position:fixed;top:0;left:0;width:100%;height:100%;z-index:100;pointer-events:none } .style-module--
content--3Dxe5{ position:fixed;top:100%;left:50%;-ms-transform:translateX(-50%);transform:translateX(-
50%);background:#fff;margin:0 auto;border-radius:5px;height:auto;width:100%;max-width:700px;max-
height:80%;padding:30px;transition:all .25s ease-in-out;z-index:200 } .style-module--close--
1K7Mo{ position:absolute;right:33px;top:33px;cursor:pointer;opacity:.5;height:25px;width:25px;z-
index:200;transition:all .25s ease-in-out } .style-module--close--1K7Mo:hover{ opacity:1 } .style-module--close--
1K7Mo:after,.style-module--close--1K7Mo:before{ position:absolute;left:15px;content:"
";height:30px;width:3px;background-color:#333 } .style-module--close--1K7Mo.style-module--sm--
3FBda:after,.style-module--close--1K7Mo.style-module--sm--3FBda:before{ height:20px } .style-module--close--
1K7Mo:before{ -ms-transform:rotate(45deg);transform:rotate(45deg) } .style-module--close--1K7Mo:after{ -ms-
transform:rotate(-45deg);transform:rotate(-45deg) } .style-module--active--2tAbX{ pointer-events:auto } .style-
module--active--2tAbX .style-module--content--3Dxe5{ top:50%;left:50%;-ms-transform:translate(-50%,-
50%);transform:translate(-50%,-50%) } .style-module--videoContainer--3o_eo
iframe{ width:100%;height:100%;position:absolute;top:0;left:0 } .style-module--videoContainer--3o_eo .style-
module--content--3Dxe5{ background:#333;padding:0;width:100%;max-width:940px;height:auto;max-
height:540px;border-radius:0;opacity:0 } .style-module--videoContainer--3o_eo .style-module--video--
qbhce{ position:relative;width:100%;height:0;padding-bottom:56.25% } .style-module--videoContainer--3o_eo .style-
module--close--1K7Mo{ top:-30px;right:-30px;opacity:.8 } .style-module--videoContainer--3o_eo .style-module--
close--1K7Mo:hover{ opacity:1 } .style-module--videoContainer--3o_eo .style-module--close--1K7Mo:after,.style-
module--videoContainer--3o_eo .style-module--close--1K7Mo:before{ background-color:#fff } .style-module--
videoContainer--3o_eo .style-module--active--2tAbX .style-module--content--3Dxe5{ opacity:1 } .style-module--
powder--BBZ_b{ background:#d7eff6 } .style-module--powder--BBZ_b .style-module--close--
1K7Mo{ opacity:1 } .style-module--powder--BBZ_b .style-module--close--1K7Mo:hover{ opacity:.7 } .style-module--
powder--BBZ_b .style-module--close--1K7Mo:after,.style-module--powder--BBZ_b .style-module--close--
1K7Mo:before{ background-color:#0074a2 } .style-module--pagination--2YHER ul{ list-
style:none;margin:0;padding:0;text-align:center } @media screen and (max-width:767px){ .style-module--pagination-
-2YHER ul{ display:none } .style-module--pagination--2YHER ul li{ display:inline-block;border-
radius:50%;color:#829494;margin:0 5px 5px } .style-module--pagination--2YHER ul li .style-module--dots--
3mYwl{ vertical-align:bottom } .style-module--pagination--2YHER ul
li>{*{ display:block;width:42px;height:42px;font-size:14px;border-radius:50%;text-align:center;border:1px solid
#829494;line-height:2.9;color:#fff } .style-module--pagination--2YHER ul li a{ color:#829494;transition:none } .style-
module--pagination--2YHER ul li .style-module--selected--1eCAQ>*,.style-module--pagination--2YHER ul li
a:hover{ background:#0074a2;border-color:#0074a2;color:#fff;text-decoration:none } .style-module--pagination--
2YHER ul li .style-module--nextPrev--1p0Y7{ vertical-align:middle } .style-module--pagination--2YHER ul li .style-
module--nextPrev--1p0Y7>{*{ font-size:35px;line-height:1;border:0;color:#0074a2;width:auto;height:auto } .style-
module--pagination--2YHER ul li .style-module--nextPrev--1p0Y7>:hover{ background:none;color:#0074a2 } .style-
module--pagination--2YHER .style-module--select--3RbV5{ display:none;width:150px;margin:0 auto } @media
screen and (max-width:767px){ .style-module--pagination--2YHER .style-module--select--
3RbV5{ display:block } } .style-module--searchResultsHeader--1mw-i{ display:-ms-flexbox;display:flex;-ms-flex-
align:center;align-items:center;margin-bottom:50px } .style-module--searchResultsHeader--1mw-i
h4{ color:#000;font-size:28px;font-weight:500 } @media screen and (max-width:767px){ .style-module--
searchResultsHeader--1mw-i h4{ font-size:21px } } .style-module--searchResultsHeader--1mw-i .style-module--clear-
-24W_M{ background:#c4c4c4;border-radius:50%;color:#fff;cursor:pointer;width:20px;height:20px;margin-
left:5px;display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;-ms-flex-pack:center;justify-
content:center;font-size:18px } .style-module--searchSimpleFormOverlay--
wdrpl{ opacity:0;position:fixed;top:50%;left:50%;z-index:105;max-width:720px;width:100%;-ms-
transform:translate(-50%,-50%);transform:translate(-50%,-50%);transition:all .3s ease-in-out;pointer-

```

events:none }.style-module--searchSimpleFormOverlay--wdrlp input{ width:100%;padding:20px;border:0;border-radius:8px;outline:none;font-size:18px;color:rgba(0,0,0,.85)}.style-module--searchSimpleFormOverlay--wdrlp.style-module--active--1zCL5{ opacity:1;pointer-events:all }.style-module--titleEyebrow--1cR4_{ color:#173361;font-size:40px;font-weight:500;margin:0 auto 100px;max-width:760px;width:80%;padding-top:50px;padding-bottom:0;position:relative;text-align:center}@media screen and (max-width:767px){.style-module--titleEyebrow--1cR4_{ font-size:24px;padding-top:30px;margin-bottom:30px } }.style-module--titleEyebrow--1cR4_::before{ content:"";width:40px;height:4px;background:#38cccd;border:0;position:absolute;top:0;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%);border-radius:10px }.style-module--purple--2xL6D::before{ background:#551d9d }.style-module--green--140Xz::before{ background:#159e86 }.style-module--blue--3wFL2::before{ background:#0dacc3 }.style-module--orange--19EsT::before{ background:#e37d62 }.style-module--grey--3eDVD::before{ background:#58788c }.style-module--sectionTitle--2jZI_{ text-align:center;max-width:960px;width:90%;margin:0 auto }.style-module--sectionTitle--2jZI_.style-module--hasSummary--1no4l{ margin-bottom:50px}@media screen and (max-width:767px){.style-module--sectionTitle--2jZI_.style-module--hasSummary--1no4l{ margin-bottom:30px } }.style-module--sectionTitle--2jZI_.not(.style-module--hasSummary--1no4l){ margin-bottom:100px}@media screen and (max-width:767px){.style-module--sectionTitle--2jZI_.not(.style-module--hasSummary--1no4l){ margin-bottom:50px } }.style-module--sectionTitle--2jZI_.style-module--title--3Euzj{ margin-bottom:0}@media screen and (max-width:767px){.style-module--sectionTitle--2jZI_.style-module--title--3Euzj{ line-height:1 } }.style-module--browless--CHF2O{ text-align:center;margin-bottom:50px }.style-module--browless--CHF2O h3{ color:#000;font-size:28px;font-weight:500;padding:0 }.style-module--summary--2q5sK{ width:830px;max-width:100%;margin:50px auto 100px;font-size:16px;font-weight:300;line-height:1.56;text-align:center}@media screen and (max-width:767px){.style-module--summary--2q5sK{ margin-top:30px;margin-bottom:50px } }.style-module--summary--2q5sK.style-module--denim--1DoX9{ font-weight:500;font-size:20px;color:#173361 }.style-module--section--2XsCV{ background-color:transparent;border-radius:8px;margin:0 25px;background:hsla(0,0%,96.1%,.85);padding:50px 0}@media screen and (max-width:767px){.style-module--section--2XsCV{ border-radius:0;margin-left:0;margin-right:0 } }.style-module--section--2XsCV.style-module--robinsEgg--LFgus{ background:#b4e1e4 }.style-module--section--2XsCV.style-module--ice--30OgX{ background:#e6f5fb }.style-module--section--2XsCV.style-module--noBg--180h6{ background:none }.style-module--section--2XsCV.style-module--noBg--180h6:first-child,.style-module--section--2XsCV.style-module--noBg--180h6:first-of-type{ padding-top:0 }.style-module--section--2XsCV.style-module--alignCenter--1L8_q{ text-align:center }.style-module--section--2XsCV.style-module--hasOneLiner--1p7m-.style-module--title--wHTN1{ margin-bottom:50px}@media screen and (min-width:768px){.style-module--section--2XsCV.style-module--spacing_medium--D-7ZH{ padding:50px 0 }@media screen and (min-width:768px){.style-module--section--2XsCV.style-module--spacing_large--cQa4H{ padding:100px 0 } }.style-module--oneLiner--1FdcA{ margin-bottom:50px;text-align:center }.style-module--contentContainer--1-LvB{ margin:0 auto;max-width:1170px;padding-left:15px;padding-right:15px;width:auto}@media screen and (min-width:768px) and (max-width:991px){.style-module--contentContainer--1-LvB.style-module--noBg--180h6{ padding-left:0;padding-right:0 }@media screen and (min-width:992px) and (max-width:1199px){.style-module--contentContainer--1-LvB.style-module--noBg--180h6{ padding-left:0;padding-right:0 } }.style-module--paragraph--2KB8F{ width:35%;margin:0 auto;line-height:1.63;color:#000;font-size:18px;font-weight:300}@media screen and (max-width:767px){.style-module--paragraph--2KB8F{ width:90% } }.style-module--ctaContainer--pFbUg{ margin:100px auto 0;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}@media screen and (max-width:991px){.style-module--ctaContainer--pFbUg{ margin:50px auto 0 }@media screen and (max-width:575px){.style-module--ctaContainer--pFbUg{-ms-flex-direction:column;flex-direction:column;-ms-flex-align:center;align-items:center } }.style-module--ctaContainer--pFbUg>:not(:first-child){ margin-left:20px}@media screen and (max-width:575px){.style-module--ctaContainer--pFbUg>:not(:first-child){ margin-top:20px;margin-left:0 } }.style-module--icon--22aj0{ width:40px;max-width:none }.style-module--card--13DnA{ color:#000 }.style-module--card--

13DnA p{margin:0 0 25px}.style-module--card--13DnA p{float:left;margin-right:15px}.style-module--hero--1e4LA .style-module--imageContainer--1UGDo{-ms-flex-item-align:start;align-self:flex-start}.style-module--hero--1e4LA .style-module--imageContainer--1UGDo{max-width:370px}.style-module--hero--1e4LA .style-module--imageContainer--1UGDo{width:370px}.style-module--section--37qRW .style-module--imageContainer--171BX{width:270px}.style-module--section--37qRW .style-module--card--2bKAt{border-width:7px;margin-bottom:0}.style-module--section--37qRW .style-module--dot--3tfYP{display:block}.style-module--button--17RR7+.style-module--button--17RR7{margin-left:10px}@media screen and (max-width:575px){.style-module--button--17RR7+.style-module--button--17RR7{margin-left:0;margin-top:10px}}.style-module--sectionContent--1W6av{padding:25px}.style-module--sectionContent--1W6av h1,.style-module--sectionContent--1W6av h2,.style-module--sectionContent--1W6av h3{color:#173361;margin:25px 0 15px;padding:0}.style-module--sectionContent--1W6av h3{color:#173361;font-size:18px;font-weight:700;line-height:23px}@media screen and (max-width:767px){.style-module--sectionContent--1W6av{margin:0 15px;text-align:center}}.style-module--sectionContent--1W6av.style-module--bg_white--13ZJH{background-color:#fff}.style-module--sectionContent--1W6av .style-module--contentContainer--3Qcyf{-ms-flex:1 1;flex:1 1}.style-module--sectionContent--1W6av .style-module--imageContainer--291eb{max-width:470px}@media screen and (max-width:767px){.style-module--sectionContent--1W6av .style-module--imageContainer--291eb{margin:0 auto}}@media screen and (min-width:768px){.style-module--left--1sbqu .style-module--grid--2J6vK .style-module--contentContainer--3Qcyf,.style-module--right--3LEvb .style-module--grid--2J6vK .style-module--imageContainer--291eb{margin-left:25px!important}}@media screen and (max-width:767px){.style-module--left--1sbqu .style-module--grid--2J6vK .style-module--contentContainer--3Qcyf,.style-module--right--3LEvb .style-module--grid--2J6vK .style-module--imageContainer--291eb{margin-top:25px!important}}.style-module--left--1sbqu .style-module--grid--2J6vK .style-module--imageContainer--291eb,.style-module--right--3LEvb .style-module--grid--2J6vK .style-module--imageContainer--291eb{margin:0}@media screen and (max-width:767px){.style-module--left--1sbqu .style-module--grid--2J6vK .style-module--imageContainer--291eb,.style-module--right--3LEvb .style-module--grid--2J6vK .style-module--imageContainer--291eb{margin:0 auto}}@media screen and (min-width:768px){.style-module--noImage--27tFT h2{margin-bottom:50px}}.style-module--noImage--27tFT ul{list-style-position:inside}.style-module--noImage--27tFT .style-module--contentContainer--3Qcyf{margin:0;text-align:center}.style-module--noImage--27tFT .style-module--sectionContent--1W6av{padding:0}.style-module--ctaContainer--3vcVr{margin-top:50px}@media screen and (max-width:767px){.style-module--twoColumnTexts--3GVuA ul{list-style-position:inside;padding:0;margin:0}}.style-module--twoColumnTexts--3GVuA .style-module--imageContainer--291eb{margin:0 auto 25px;max-width:none;text-align:center}.style-module--twoColumnTexts--3GVuA .style-module--imageContainer--291eb{max-height:300px}.style-module--twoColumnTexts--3GVuA .style-module--ctaContainer--3vcVr{text-align:center}@media screen and (min-width:768px){.style-module--twoColumnTexts--3GVuA .style-module--grid--2J6vK>div:last-child{padding-left:15px}}@media screen and (max-width:767px){.style-module--twoColumnTexts--3GVuA .style-module--grid--2J6vK>div:last-child{padding-top:15px}}.style-module--section--2OZcS{padding-top:50px!important;padding-bottom:50px}.style-module--section--2OZcS.style-module--sm--2e0EF{padding-top:20px!important;padding-bottom:20px}.style-module--sectionImage--2VxLy{-ms-flex-align:center;align-items:center}.style-module--sectionImage--2VxLy .style-module--imageContainer--1ryhq{display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;-ms-flex-align:center;align-items:center;text-align:center}@media screen and (max-width:991px){.style-module--sectionImage--2VxLy .style-module--imageContainer--1ryhq{margin:20px 0}}@media screen and (max-width:991px){.style-module--sectionImage--2VxLy .style-module--imageContainer--1ryhq:first-of-type{margin-top:0}}@media screen and (max-width:991px){.style-module--sectionImage--2VxLy .style-module--imageContainer--1ryhq:last-of-type{margin-bottom:0}}.style-module--sectionImage--2VxLy .style-module--imageContainer--1ryhq{max-width:100%;-o-object-fit:contain;object-fit:contain}.style-module--sectionImage--2VxLy .style-module--imageContainer--1ryhq .style-module--title--3K_gD{color:#000;font-size:14px;width:85%;margin-top:15px}.style-module--sectionImage--2VxLy .style-module--imageContainer--1ryhq .style-module--title--3K_gD a{color:inherit;text-decoration:underline}.style-module--toc--3Z34A>div:first-child

h3{margin-top:0}.style-module--toc--3Z34A ul{list-style:none;margin:0;padding:0}.style-module--toc--3Z34A ul li{margin-bottom:10px}.style-module--toc--3Z34A ul li a{color:#173361;font-size:21px;font-weight:500;line-height:27px}.style-module--faqContent--3OYeA>div:first-child h3{margin-top:0}.style-module--faqContent--3OYeA .style-module--card--2yIN3{border:2px solid hsla(0,0%,96.1%,.85);border-radius:8px;margin-bottom:10px;padding:25px}.style-module--faqContent--3OYeA .style-module--card--2yIN3 h4{color:#173361;font-size:18px;font-weight:700;line-height:23px}.style-module--faqContent--3OYeA .style-module--card--2yIN3 div{color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}.style-module--faq--2N00h{text-align:left}.style-module--faq--2N00h hr{margin:90px 0;border-top:7px solid hsla(0,0%,96.1%,.85)}.style-module--faq--2N00h h3{color:#000;font-size:28px;font-weight:500;margin:50px 0 30px}@media screen and (max-width:767px){.style-module--faq--2N00h h3{font-size:21px}}.style-module--featuredPartnersSection--1dyfM{margin-bottom:0}@media screen and (min-width:576px) and (max-width:767px){.style-module--featuredPartnersSection--1dyfM .style-module--grid--1yELM{-ms-flex-direction:row;flex-direction:row}}.style-module--featuredPartnersSection--1dyfM .style-module--grid--1yELM .style-module--partner--3Uw11{display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;-ms-flex-align:center;align-items:center;-ms-flex-pack:start;justify-content:flex-start;padding:0 40px 60px}@media screen and (min-width:576px) and (max-width:767px){.style-module--featuredPartnersSection--1dyfM .style-module--grid--1yELM .style-module--partner--3Uw11{margin:0;width:50%}}.style-module--featuredPartnersSection--1dyfM .style-module--grid--1yELM .style-module--partner--3Uw11 .style-module--imageContainer--3EjXP{max-width:200px;height:100px;display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center}.style-module--featuredPartnersSection--1dyfM .style-module--grid--1yELM .style-module--partner--3Uw11 .style-module--imageContainer--3EjXP img{width:100%}.style-module--featuredPartnersSection--1dyfM .style-module--grid--1yELM .style-module--partner--3Uw11 a{margin-top:20px}@media screen and (min-width:576px) and (max-width:767px){.style-module--featuredPartnersSection--1dyfM .style-module--grid--1yELM .style-module--partner--3Uw11 a{margin:0}}.style-module--header--31rfm{position:fixed;top:0;left:0;background:#fff;width:100%;z-index:20;height:85px;padding:18px 0;box-shadow:0 4px 10px -3px #829494;transition:box-shadow .3s ease-in-out}@media print{.style-module--header--31rfm{position:relative}}.style-module--header--31rfm ul{margin:0;padding:0;list-style:none}.style-module--header--31rfm.style-module--topPage--85hNf{box-shadow:none}@media screen and (min-width:768px) and (max-width:991px){.style-module--header--31rfm>.style-module--container--3N3ii{width:100%;padding-left:25px;padding-right:25px}}.style-module--header--31rfm .style-module--nav--1mswf{float:right;display:block}@media screen and (max-width:767px){.style-module--header--31rfm .style-module--nav--1mswf{display:none}}@media screen and (max-width:920px){.style-module--header--31rfm .style-module--nav--1mswf{display:none}}.style-module--header--31rfm .style-module--nav--1mswf>ul>li{display:inline-block;margin:0 15px;position:relative}@media screen and (min-width:1200px){.style-module--header--31rfm .style-module--nav--1mswf>ul>li{margin:0 20px}}.style-module--header--31rfm .style-module--nav--1mswf>ul>li>a{display:block;font-size:14px;font-weight:400;letter-spacing:.7px;text-transform:uppercase;text-decoration:none;-ms-transform:none!important;transform:none!important}.style-module--header--31rfm .style-module--nav--1mswf>ul>li:not(.style-module--download--XKthR) a{color:#173361}.style-module--header--31rfm .style-module--nav--1mswf>ul>li:not(.style-module--download--XKthR)>ul{display:block;background:#fff;color:#15202b;position:absolute;top:58px;left:-60px;padding:10px 10px 10px 0;border-radius:7px;transition:all .3s ease-in-out;opacity:0;visibility:hidden;border:1px solid #e0e0e0;box-shadow:none;z-index:10}.style-module--header--31rfm .style-module--nav--1mswf>ul>li:not(.style-module--download--XKthR)>ul a{color:#173361;font-size:16px;font-weight:300;width:100%;display:block;white-space:nowrap;overflow:hidden;text-overflow:ellipsis;padding:10px 0;margin:0 20px;line-height:20px}.style-module--header--31rfm .style-module--nav--1mswf>ul>li:not(.style-module--download--XKthR):hover>a{border-bottom:5px solid #b78142;font-weight:400;color:#111820}.style-module--header--31rfm .style-module--nav--1mswf>ul>li:not(.style-module--download--XKthR):hover>ul{opacity:1;visibility:visible}}.style-module--header--31rfm .style-module--nav--1mswf .style-module--indent--I5Hp9{margin-left:20px}.style-module--header--31rfm .style-module--logo--1fS2J{float:left;position:absolute;top:50%;-ms-transform:translateY(-

50%);transform:translateY(-50%);z-index:99;margin-right:20px;background:#fff}.style-module--header--31rfm .style-module--logo--1fS2J svg{width:180px}@media screen and (min-width:1200px){.style-module--header--31rfm .style-module--logo--1fS2J svg{width:250px;max-width:none}}.style-module--header--31rfm .style-module--navMobile--1PXXZ{display:none}.style-module--header--31rfm .style-module--navMobile--1PXXZ nav{opacity:0;visibility:hidden;background:#111820;position:fixed;padding:1em 0 80px;left:0;width:100%;border-top:1px solid #4c4c4d;height:90%;transition:all .5s ease;overflow:auto;top:80px}.style-module--header--31rfm .style-module--navMobile--1PXXZ nav>ul{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap}.style-module--header--31rfm .style-module--navMobile--1PXXZ nav>ul>li{margin-bottom:20px}.style-module--header--31rfm .style-module--navMobile--1PXXZ nav>ul>li>a{color:#fff;text-transform:uppercase;padding:5px 20px;display:block}.style-module--header--31rfm .style-module--navMobile--1PXXZ nav>ul>li ul li a{color:#a7a7a8;text-transform:none;padding:5px 20px;display:block}@media screen and (max-width:920px){.style-module--header--31rfm .style-module--navMobile--1PXXZ{display:block}.style-module--header--31rfm .style-module--navMobile--1PXXZ.style-module--open--2mcoG nav{opacity:1;visibility:visible}.style-module--header--31rfm .style-module--navMobile--1PXXZ.style-module--open--2mcoG>button .icon-bar{display:none}.style-module--header--31rfm .style-module--navMobile--1PXXZ.style-module--open--2mcoG>button:after{content:"\D7";color:#111820;cursor:pointer;font-size:24px;line-height:0;margin-left:5px;position:relative;top:0}.style-module--header--31rfm .style-module--navMobile--1PXXZ>button{margin:0;display:block;padding:10px}.style-module--header--31rfm .style-module--navMobile--1PXXZ .icon-bar{background-color:#111820}}.style-module--searchContainer--M0vVi{background:0 0;position:relative;float:right;margin-top:5px}@media screen and (max-width:920px){.style-module--searchContainer--M0vVi{margin-top:3px}}@media screen and (min-width:992px){.style-module--searchContainer--M0vVi{margin-right:20px}}.style-module--searchContainer--M0vVi>button{background-color:transparent;border:0;outline:0;float:left;position:relative;z-index:2;text-align:left;text-indent:-9999px;display:block;height:18px;width:18px;background-image:url(https://cdn.confluent.io/wp-content/themes/confluent/assets/images/search-icon.png);background-repeat:no-repeat;margin:9px;transition:width .3s,left .1s,bottom .1s;padding:0;background-size:15px}.style-module--searchContainer--M0vVi>div{float:left;overflow:hidden;position:relative;z-index:1;width:1px;transition:width .3s,left .1s,bottom .1s}.style-module--searchContainer--M0vVi>div input{display:inline-block;font-size:14px;font-weight:400;line-height:16px;float:left;height:32px;padding:0 20px 0 40px;color:#fff;border:0;border-radius:2px;background:0 0;width:200px;outline:0}.style-module--searchContainer--M0vVi.style-module--active--3q6zJ>button{z-index:0;width:0;visibility:hidden}.style-module--searchContainer--M0vVi.style-module--active--3q6zJ>div{width:220px}.style-module--searchContainer--M0vVi.style-module--active--3q6zJ>div input{border:1px solid #333;color:#333}.style-module--languageContainer--GbiNb{display:none;position:relative;float:right}.style-module--languageContainer--GbiNb ul{display:-ms-flexbox;display:flex;list-style:none;max-width:40px;padding-left:0;border-radius:8px;height:42px;overflow:hidden}.style-module--languageContainer--GbiNb ul:before{background-color:#000;content:" ";display:block}.style-module--languageContainer--GbiNb ul li{-ms-flex-align:center;align-items:center;display:-ms-flexbox;display:flex;margin:0;padding:6px 0}.style-module--languageContainer--GbiNb ul li:before{background-size:cover;border:1px solid #979797;border-radius:20px;content:"";margin-left:0;margin-right:10px;height:30px;width:30px}.style-module--languageContainer--GbiNb ul li a{display:none;color:#000;font-size:12px}.style-module--languageContainer--GbiNb ul li.lang-en{-ms-flex-order:2;order:2;margin:0}.style-module--languageContainer--GbiNb ul li.lang-en:before{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/e10fc60db43311c1d7521b9005ba5d5257054e53/language-english.png")}.style-module--languageContainer--GbiNb ul li.lang-fr{-ms-flex-order:3;order:3;margin:0}.style-module--languageContainer--GbiNb ul li.lang-fr:before{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/2357e84a1b7e54596e3d18f6ec5984174f7de42a/language-french.png")}.style-module--languageContainer--GbiNb ul li.lang-de{-ms-flex-order:4;order:4;margin:0}.style-module--languageContainer--GbiNb ul li.lang-de:before{background-

image:url("https://d33wubrfki0l68.cloudfront.net/images/1604bda91e6e4972abb4b7030c72d17b49747417/language-german.png")).style-module--languageContainer--GbiNb ul li.lang-ja{-ms-flex-order:5;order:5;margin:0}.style-module--languageContainer--GbiNb ul li.lang-ja:before{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/b722710de108f10b5ecacce7634b1db48200fd8e/language-japanese.png")).style-module--languageContainer--GbiNb.style-module--open--2mcoG ul{height:100%;-ms-flex-direction:column;flex-direction:column;max-width:130px;padding:0 15px}.style-module--languageContainer--GbiNb.style-module--open--2mcoG ul li a{display:block}.style-module--languageContainer--GbiNb.style-module--open--2mcoG .style-module--dropdown--39_e2{border:1px solid #979797;border-radius:8px;background:#fff}.style-module--languageContainer--GbiNb.style-module--open--2mcoG .style-module--toggle--3ljCl{-ms-transform:rotate(270deg);transform:rotate(270deg)}.style-module--languageContainer--GbiNb .style-module--toggle--3ljCl{background-size:cover;cursor:pointer;display:inline-block;height:16px;position:absolute;right:-15px;top:14px;width:10px;background-image:url(https://cdn.confluent.io/wp-content/themes/confluent/assets/images/link-arrow-black.png);-ms-transform:rotate(90deg);transform:rotate(90deg)}@media screen and (min-width:992px){.style-module--languageContainer--GbiNb{display:block}}.smartling-de .style-module--languageContainer--GbiNb .lang-de,.smartling-fr .style-module--languageContainer--GbiNb .lang-fr,.smartling-ja .style-module--languageContainer--GbiNb .lang-ja{-ms-flex-order:1;order:1}.style-module--logo--35JXe g{fill:#173361}.style-module--purple--Ofct3 .bg-fill{fill:#eee8f5}.style-module--purple--Ofct3 .line-fill{fill:#551d9d}.style-module--purple--Ofct3 .line-stroke{stroke:#551d9d}.style-module--gdpr--2VS6b{opacity:0;transition:opacity .5s ease-in-out}.style-module--gdpr--2VS6b.style-module--show--DiYdJ{opacity:1}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6{position:fixed;bottom:0;left:0;background:#173361;width:100%;color:#fff;z-index:11}@media screen and (max-width:640px){.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--button--3srjX{margin:0}}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT{padding:20px 40px;display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-align:center;align-items:center;box-sizing:border-box}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT p{margin:0;font-size:14px;font-weight:400}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprContent--3KsKx{-ms-flex:1 1;padding-right:200px}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprContent--3KsKx a,.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprContent--3KsKx p{color:#fff}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprContent--3KsKx a{text-decoration:underline}@media screen and (max-width:1024px){.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprContent--3KsKx{padding-right:0;padding-bottom:20px}}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprRight--1UBvi{display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprRight--1UBvi .style-module--button--3srjX:last-child{margin-left:10px}@media screen and (max-width:640px){.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprRight--1UBvi .style-module--button--3srjX:last-child{margin-left:0;margin-top:10px}}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprRight--1UBvi .style-module--button--3srjX:last-child:before{left:-7px}}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprRight--1UBvi .style-module--button--3srjX{min-width:100px}@media screen and (max-width:991px){.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprRight--1UBvi .style-module--button--3srjX{min-width:205px}}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprRight--1UBvi button:last-of-type{margin-right:0;margin-left:20px}@media screen and (max-

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width:640px){.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--
1rFOT .style-module--gdprRight--1UBvi button:last-of-type{margin:0}}@media screen and (max-
width:640px){.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--
1rFOT .style-module--gdprRight--1UBvi{-ms-flex-direction:column;flex-direction:column}}@media screen and
(max-width:1024px){.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--
gdprWrapper--1rFOT{-ms-flex-direction:column;flex-direction:column;-ms-flex-align:center;align-
items:center}}.style-module--topBanner--
qjZvc{position:fixed;top:0;background:#070a1f;color:#fff;height:40px;width:100%;z-index:20;font-size:11px;font-
weight:500;letter-spacing:1.17px;overflow:hidden;text-overflow:ellipsis}.style-module--topBanner--qjZvc
.container div{line-height:4}.style-module--topBanner--qjZvc .container a{color:#fff;cursor:pointer;text-
decoration:none}.style-module--topBanner--qjZvc .style-module--text--
n3hed{position:absolute;left:0;width:100%;text-align:center;z-index:1}.style-module--topBanner--qjZvc .style-
module--phone--3dD5b{text-align:right;position:relative;z-index:2;float:right}.style-module--topBanner--qjZvc
a.style-module--ogLink--1xHFT{color:#4597cb;margin-left:10px;transition:all .3s ease}.style-module--topBanner--
qjZvc a.style-module--ogLink--1xHFT:hover{opacity:.6}.style-module--topBanner--qjZvc .style-module--longText-
yBz3N{display:none}@media screen and (min-width:768px){.style-module--topBanner--qjZvc .style-module--
longText--yBz3N{display:inline}}@media screen and (max-width:600px){.style-module--topBanner--qjZvc .style-
module--phone--3dD5b{display:none}}.style-module--siteFooter--1SYvh{border-top:1px solid #e9e9ed}.style-
module--siteFooter--1SYvh footer{background-color:#fff;padding:40px 0}.style-module--footerRow--
2E2Yb{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}@media screen and (min-
width:992px){.style-module--footerRow--2E2Yb{-ms-flex-pack:justify;justify-content:space-between}}@media
screen and (min-width:1200px){.style-module--footerRow--2E2Yb{max-width:100%}}.style-module--footerRow--
2E2Yb div:not(:last-of-type){display:none}@media screen and (min-width:992px){.style-module--footerRow--
2E2Yb div:not(:last-of-type){display:-ms-flexbox;display:flex}}.style-module--menu--19Yv4{list-
style:none;padding:0;color:#fff;font-size:16px;margin:0 0 20px}.style-module--menu--19Yv4 li{line-
height:20px;margin:2px 0 12px}.style-module--menu--19Yv4 li:first-of-type{margin-bottom:25px}.style-module--
menu--19Yv4 li:first-of-type a{color:#404040;font-weight:400;font-size:16px}.style-module--menu--19Yv4 li:first-
of-type a:hover{transition:none;color:#404040}.style-module--menu--19Yv4 li a{font-
weight:300;color:#5d5d5d;text-decoration:none;padding:2px 0;font-size:14px;line-height:18px;display:block}.style-
module--menu--19Yv4 li a:hover{color:#4597cb;transition:all .4s ease-in-out}.style-module--socialNav--12Fjk
ul{list-style:none;margin:0;padding:0;font-size:16px}.style-module--socialNav--12Fjk ul li{margin:0 5px}.style-
module--socialIcon--PjnYm{width:20px;height:20px;fill:#a7a7a8}.style-module--socialIcon--PjnYm.style-module--
twitterIcon--3zPrM:hover{fill:#55acee}.style-module--socialIcon--PjnYm.style-module--linkedinIcon--
1E52K:hover{fill:#0e76a8}.style-module--socialIcon--PjnYm.style-module--githubIcon--
2CHYh:hover{fill:#333}.style-module--socialIcon--PjnYm.style-module--slideshareIcon--
3uHWi:hover{fill:#f7941e}.style-module--socialIcon--PjnYm.style-module--youtubeIcon--21oE-
: hover{fill:red}.style-module--socialIcon--PjnYm.style-module--instagramIcon--3WweF:hover{fill:#c1558b}.style-
module--socialIcon--PjnYm.style-module--facebookIcon--29Pqt:hover{fill:#3b5998}.style-module--
socialMediaListContainer--m3scG{display:-ms-flexbox;display:flex}@media screen and (max-width:991px){.style-
module--socialMediaListContainer--m3scG{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-
content:center}}.style-module--footerBottom--Nm5lk{padding-top:40px}.style-module--copyright--1gcwO,.wp
.style-module--copyright--1gcwO{max-width:100%;text-align:center}@media screen and (min-
width:992px){.style-module--copyright--1gcwO,.wp .style-module--copyright--1gcwO{text-align:left}}.style-
module--copyright--1gcwO p,.wp .style-module--copyright--1gcwO p{display:inline;font-size:11px;line-
height:1.2;color:#a7a7a8;margin:0;padding:2px 0}.style-module--copyright--1gcwO p:first-of-type,.wp .style-
module--copyright--1gcwO p:first-of-type{line-height:1.5;color:#a7a7a8;padding:0}.style-module--copyright--
1gcwO p a,.wp .style-module--copyright--1gcwO p a{color:#535353;border:0;padding:0}.style-module--copyright--
1gcwO .style-module--onetrustLink--F7UX8,.wp .style-module--copyright--1gcwO .style-module--onetrustLink--

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F7UX8{font-size:11px!important;color:#535353!important;border:0!important;padding:0!important}.style-module--copyright--1gcwO.style-module--onetrustLink--F7UX8:hover,.wp.style-module--copyright--1gcwO.style-module--onetrustLink--F7UX8:hover{text-decoration:underline;background-color:#fff!important}.wp.error404_section{background-color:#2c3437}.wp.page-title{color:#fff;font-weight:400;margin-top:15px;margin-bottom:15px}.wp.error404-body{padding-top:30px;padding-bottom:80px}.wp.page-cloud-customer-dpa.dpa.p,.wp.page-cloud-customer-dpa.dpa.ul{color:#4a4a4a;font-size:16px;font-weight:300;line-height:26px;margin-bottom:18px}.wp.page-cloud-customer-dpa.dpa.li{margin-bottom:9px}.wp.page-cloud-customer-dpa.dpa.ul.ul{margin-top:12px}.wp.page-cloud-customer-dpa.dpa.spacer{height:1px;margin-bottom:24px}.wp.page-cloud-customer-dpa.dpa.h3,.wp.page-cloud-customer-dpa.dpa.h4{color:#4a4a4a;margin-bottom:18px;text-align:center}.wp.page-cloud-customer-dpa.dpa.h3{margin-bottom:30px!important}.confluent-privacy-statement-module--container--3nAU1{font-weight:300;line-height:1.78;color:#4a4a4a;font-size:18px}.confluent-privacy-statement-module--container--3nAU1.h2{font-size:30px;text-align:center}.confluent-privacy-statement-module--container--3nAU1.h3{text-align:left;font-size:20px;text-transform:uppercase}.confluent-privacy-statement-module--container--3nAU1.confluent-privacy-statement-module--disc--2bGkH{list-style-type:disc}.wp.page-supplemental-services-terms.ol,.wp.page-supplemental-services-terms.ul{font-size:18px;font-weight:300;line-height:1.78;color:#4a4a4a}.wp.page-supplemental-services-terms.ul{list-style-type:circle}.wp.page-supplemental-services-terms.ol{list-style-type:upper-alpha}.wp.page-supplemental-services-terms.ol.li>ol{list-style-type:decimal}.wp.page-template-careers-rebrand.section.careers_job_listings_section{text-align:left}.wp.page-template-careers-rebrand.section.careers_job_listings_section.h3{margin-top:20px}.wp.page-template-careers-rebrand.section.careers_job_listings_section.jobs{margin-bottom:20px}.wp.page-template-careers-rebrand.section.careers_job_listings_section.job{clear:both;display:block;overflow:hidden;margin-bottom:5px}.wp.page-template-careers-rebrand.section.careers_job_listings_section.job.left{float:left}.wp.page-template-careers-rebrand.section.careers_job_listings_section.job.right{float:right}.wp.page-template-careers-rebrand.section.careers_job_listings_section.job.right.a{min-width:100px}.wp.page-template-careers-rebrand.carousel-item{display:-ms-flexbox!important;display:flex!important;-ms-flex-align:center;align-items:center;-ms-flex-pack:center;justify-content:center;text-align:center}.wp.page-template-careers-rebrand.h3-border{text-align:center;font-size:14px!important;font-weight:500;line-height:16px;text-transform:uppercase}.wp.page-template-careers-rebrand.h3-border:after{content:"";height:2px;width:40px;background:#257bd7;display:block;margin:5px auto;position:relative}@media screen and (max-width:1000px){.wp.page-template-careers-rebrand.h3-border:after{margin:5px auto 0}}.wp.page-template-careers-rebrand.btn{min-width:175px!important;border:1px solid #173361;background:#fff;display:block;color:#173361;padding-top:12px;padding-bottom:14px;border-radius:8px}.wp.page-template-careers-rebrand.btn:hover{background:#173361;color:#fff}.wp.page-template-careers-rebrand.gradient-bluegreen{background-image:linear-gradient(270deg,#31bec2,#257bd7)}.wp.page-template-careers-rebrand.container{max-width:1272px}.wp.page-template-careers-rebrand.hero_overview{background-size:cover;background-position:bottom;height:100vh}@media screen and (max-width:991px){.wp.page-template-careers-rebrand.hero_overview{background-position:inherit}}.wp.page-template-careers-rebrand.hero_overview.hero-content{text-align:center;left:50%;max-width:650px;position:absolute;-ms-transform:translate(-50%,-50%);transform:translate(-50%,-50%);top:50%;width:100%}.wp.page-template-careers-rebrand.hero_overview.hero-content.h1,.wp.page-template-careers-rebrand.hero_overview.hero-content.p{color:#fff}.wp.page-template-careers-rebrand.career__slider{margin:3px 0;overflow:hidden}.wp.page-template-careers-rebrand.career__slider.slick-slider,.wp.page-template-careers-rebrand.career__slider.slick-slider img{height:434px!important}.wp.page-template-careers-rebrand.career__slider.slick-slider.slick-track{display:-ms-flexbox;display:flex}.wp.page-template-careers-rebrand.career__slider.slick-slider.slick-slide{width:800px!important;-ms-flex:0 0 800px;flex:0 0 800px;margin:0 3px}.wp.page-template-careers-rebrand.career__inspiration{padding:100px 0;text-align:center}.wp.page-template-careers-rebrand.career__inspiration.container{max-width:650px}.wp.page-template-careers-rebrand.career__inspiration.h2{font-size:48px;line-height:55px}.wp.page-template-careers-

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rebrand .career__inspiration .btn{margin:0 auto;max-width:175px}.wp .page-template-careers-rebrand
.career__banner h3{color:#fff;font-size:24px;font-weight:700;line-height:28px;padding:30px 0}.wp .page-template-
careers-rebrand .career__banner h3 a{color:#fff}.wp .page-template-careers-rebrand .career__banner h3
a:hover{text-decoration:underline}.wp .page-template-careers-rebrand .career__banner
img{width:60px!important;height:45px}.wp .page-template-careers-rebrand .career__pillars{padding:135px 0
150px}.wp .page-template-careers-rebrand .career__pillars .row{display:-ms-flexbox;display:flex;-ms-flex-
pack:center;justify-content:center;-ms-flex-wrap:wrap;flex-wrap:wrap}@media screen and (min-width:992px){
.wp .page-template-careers-rebrand .career__pillars .row{-ms-flex-pack:justify;justify-content:space-between}}.wp
.wp .page-template-careers-rebrand .career__pillars .career__pillar{margin-bottom:25px;text-
align:center;width:48%}@media screen and (min-width:992px){.wp .page-template-careers-rebrand .career__pillars
.career__pillar{margin-bottom:0;width:18%}}.wp .page-template-careers-rebrand .career__pillars img{margin-
bottom:25px;max-height:100px}.wp .page-template-careers-rebrand .career__pillars p{color:#fff;font-
weight:400;margin-bottom:0}.wp .page-template-careers-rebrand .career__pillars
svg{width:100px;height:100px;margin-bottom:20px}.wp .page-template-careers-rebrand .career__pillars svg
g{fill:#fff}.wp .page-template-careers-rebrand .careers_job_listings_section .filter-container{margin:20px
0;display:inline-block;min-width:300px}@media (min-width:768px){.wp .page-template-careers-rebrand
.careers_job_listings_section .filter-container:first-of-type{margin-right:15px}.wp .page-template-careers-rebrand
.careers_job_listings_section .filter-container:last-of-type{margin-left:15px}}.wp .page-template-careers-rebrand
.careers_job_listings_section .filter-container .select{border:1px solid
#ddd;background:#f3f4f8;display:block;color:#444;line-height:1.3;padding:8px 10px 8px 20px;font-size:18px;font-
weight:300;border-radius:4px;max-width:300px;width:100%;cursor:pointer;-moz-appearance:none;-webkit-
appearance:none;appearance:none;margin:0 auto}.wp .page-template-careers-rebrand .careers_job_listings_section
.filter-container .select:hover{border-color:#c4c4c4}.wp .page-template-careers-rebrand
.careers_job_listings_section .jobs-list{background:#fff;box-shadow:0 5px 27px 0 rgba(0,0,0,.05);border-
radius:4px;padding:30px}@media screen and (min-width:992px){.wp .page-template-careers-rebrand
.careers_job_listings_section .jobs-list{padding:60px}}@media (max-width:992px){.wp .page-template-careers-
rebrand .careers_job_listings_section .jobs-list .job{display:-ms-flexbox;display:flex;-ms-flex-
direction:column;flex-direction:column;padding:25px 0;box-shadow:0 4px 5px -6px #222;text-align:center}}.wp
.wp .page-template-careers-rebrand .careers_job_listings_section .job{display:block;margin-bottom:20px;-ms-flex-
wrap:wrap;flex-wrap:wrap;overflow:inherit;text-align:center}.wp .page-template-careers-rebrand
.careers_job_listings_section .job .btn{max-width:175px;margin:0 auto}@media screen and (min-width:992px){.wp
.wp .page-template-careers-rebrand .careers_job_listings_section .job{-ms-flex-align:center;align-items:center;display:-
ms-flexbox;display:flex;margin-bottom:5px;-ms-flex-pack:justify;justify-content:space-between;text-
align:inherit}.wp .page-template-careers-rebrand .careers_job_listings_section .job .btn{margin:0}}.wp .page-
template-careers-rebrand .careers_job_listings_section .job .left,.wp .page-template-careers-rebrand
.careers_job_listings_section .job .right{float:none}.wp .page-template-careers-rebrand .careers_job_listings_section
h2{text-align:center}@media screen and (min-width:992px){.wp .page-template-careers-rebrand
.careers_job_listings_section h2{font-size:48px;line-height:55px}}.wp .page-template-careers-rebrand
.careers_job_listings_section h3,.wp .page-template-careers-rebrand .careers_job_listings_section h4{font-
size:18px;line-height:24px}.wp .page-template-careers-rebrand .careers_job_listings_section
.commitment{background:#173361;border-radius:8px;color:#fff;font-size:12px;font-weight:600;line-
height:14px;margin-right:15px;padding:5px 10px;text-transform:uppercase;vertical-align:middle}@media screen
and (max-width:991px){.wp .page-template-careers-rebrand .careers_job_listings_section
.commitment{display:block}}.wp .page-template-careers-rebrand .careers_job_listings_section span{font-
size:18px;font-weight:300;line-height:21px}.wp .page-template-careers-rebrand .careers_job_listings_section
span.label{padding-top:8px;text-align:left}.wp .page-template-careers-rebrand .careers_job_listings_section .filter-
wrapper,.wp .page-template-careers-rebrand .careers_job_listings_section .no-jobs{text-align:center}.wp .page-
template-careers-rebrand .careers_job_listings_section .no-jobs{font-size:18px}.wp .page-template-careers-rebrand

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.careers_job_listings_section .filter-wrapper{margin:50px 0}@media screen and (max-width:991px){.page-template-certificate-page .certification-module--hero--1CWTC>div{-ms-flex-direction:column;flex-direction:column}}@media screen and (max-width:991px){.page-template-certificate-page .certification-module--hero--1CWTC .certification-module--imageContainer--33fsg{display:block;margin-left:0;margin-top:60px}}.page-template-certificate-page .certification-module--hero--1CWTC .certification-module--imageContainer--33fsg img{border:9px solid #81cfe2;cursor:pointer}.page-template-certificate-page .certification-module--certificateOverviewSection--3aOWY{padding:60px 0 50px}.page-template-certificate-page .certification-module--certificateOverviewSection--3aOWY p{max-width:800px;margin-left:auto;margin-right:auto;color:#4597cb;font-size:25px;line-height:32px}.page-template-certificate-page .certification-module--certificateItemsSection--1HUMO{padding:0!important;text-align:center!important}.page-template-certificate-page .certification-module--certificateItemsSection--1HUMO h3,.page-template-certificate-page .certification-module--certificateItemsSection--1HUMO p{color:#fff}.page-template-certificate-page .certification-module--certificateItemsSection--1HUMO h3{font-size:25px}@media screen and (min-width:992px){.page-template-certificate-page .certification-module--certificateItemsSection--1HUMO h3{min-height:92px}}.page-template-certificate-page .certification-module--bgColorBlue--2eJfR{background-color:#4597cb}.page-template-certificate-page .certification-module--bgColorOrange--270dL{background-color:#173361}.page-template-certificate-page .certification-module--certItemUnorderedList--2khCH{text-align:left;color:#fff;list-style-type:disc;margin-bottom:38px}@media screen and (min-width:992px){.page-template-certificate-page .certification-module--certItemUnorderedList--2khCH{display:-ms-flexbox!important;display:flex!important}}.page-template-certificate-page .certification-module--items--2EvXj{list-style:none;display:block;padding:0;margin:0;overflow:hidden}@media screen and (min-width:768px){.page-template-certificate-page .certification-module--items--2EvXj{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap}}.page-template-certificate-page .certification-module--certificateItem--jApeq{padding:80px 20px!important}@media screen and (min-width:768px){.page-template-certificate-page .certification-module--certificateItem--jApeq{width:50%}}@media screen and (min-width:992px){.page-template-certificate-page .certification-module--certificateItem--jApeq{width:calc(33.33% - 10px)!important;margin:0 5px!important}}.page-template-certificate-page .certification-module--certificateItem--jApeq .certification-module--item--11Jr8{position:relative}.page-template-certificate-page .certification-module--certificateItem--jApeq .certification-module--item--11Jr8 ul{color:#fff;margin:20px 0;text-align:left}.page-template-certificate-page .certification-module--media--37RII{margin:0}.page-template-certificate-page .certification-module--midContent--2hN3i{max-width:900px;margin-left:auto;margin-right:auto}.page-template-certificate-page .certification-module--certificateFaqSection--1TWw0 h2{color:#4597cb;font-size:48px;margin-bottom:40px;line-height:56px}.page-template-certificate-page .certification-module--certificateFaqSection--1TWw0 h3{color:#4597cb;font-size:28px;text-align:left;margin-bottom:10px}.page-template-certificate-page .certification-module--certificateFaqSection--1TWw0 p{max-width:800px}.page-template-certificate-page .certification-module--faqsItems--y-uMZ{list-style:none;padding:0;margin:0;text-align:left}.page-template-certificate-page .certification-module--faqsItems--y-uMZ li{margin-bottom:40px}@media screen and (min-width:992px){.page-template-certificate-page .certification-module--mediaContent---T5KW{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:center;justify-content:center;-ms-flex-align:center;align-items:center;min-height:308px;height:100%}}@media screen and (max-width:991px){.page-template-certificate-page .certification-module--mediaContent---T5KW{padding:0!important;text-align:center}}.page-template-certificate-page .certification-module--mediaContent---T5KW li{list-style-type:disc}.page-template-certificate-page .certification-module--mediaContent---T5KW h3{text-align:center}.page-template-certificate-page .certification-module--row--3abUE{-ms-flex-pack:justify;justify-content:space-between;margin-top:80px}@media screen and (min-width:768px){.page-template-certificate-page .certification-module--row--3abUE{display:-ms-flexbox;display:flex}}.page-template-certificate-page .certification-module--h3Border--SFaPi{font-size:16px!important;line-height:21px!important;text-transform:uppercase;text-align:center;position:relative;padding-top:0!important}.page-template-certificate-page .certification-module--h3Border--SFaPi:after{content:"";height:2px;width:40px;background:#257bd7;margin-

top:5px;display:block;position:absolute;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%)).page-template-certificate-page .certification-module--benefits--36TgD{margin-top:80px}.page-template-certificate-page .certification-module--benefit--2Qg0c{text-align:center}@media screen and (min-width:768px){.page-template-certificate-page .certification-module--benefit--2Qg0c{-ms-flex:0 1 16%;flex:0 1 16%}}.page-template-certificate-page .certification-module--benefit--2Qg0c img{max-width:50px;max-height:45px}.page-template-certificate-page .certification-module--benefit--2Qg0c .certification-module--benefitText--2rIS_{font-size:16px;margin-top:20px}.page-template-certificate-page .certification-module--ctaContainer--1hwZR{display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;margin-top:20px}.page-template-certificate-page .certification-module--ctaContainer--1hwZR .certification-module--button--3wFfd+.certification-module--button--3wFfd{margin-top:20px}.wp .page-community-code-of-conduct .coc-header{color:#101040!important;padding:30px 18px}.wp .page-community-code-of-conduct p{font-size:16px;line-height:30px;max-width:750px}.wp .page-community-code-of-conduct h1,.wp .page-community-code-of-conduct h2,.wp .page-community-code-of-conduct h4,.wp .page-community-code-of-conduct p{color:#101040}.wp .page-community-code-of-conduct h4{font-size:14px;position:relative;text-transform:uppercase}.wp .page-community-code-of-conduct h4:after{content:"";height:2px;width:40px;background:#257bd7;bottom:10px;left:0;position:absolute}.wp .page-community-code-of-conduct h1,.wp .page-community-code-of-conduct h2{font-size:36px;font-weight:400;line-height:48px;padding-top:30px}.wp .page-community-code-of-conduct a{color:#4197cb}.wp .page-community-code-of-conduct .coc-header-img img{width:100%;padding:0 80px;margin:0 auto;display:block;max-width:400px}.wp .page-community-code-of-conduct .coc-list{background:#f2f3f6;padding:30px 0}.wp .page-community-code-of-conduct .coc-body h4,.wp .page-community-code-of-conduct .coc-body p{max-width:750px}.wp .page-community-code-of-conduct .coc-content{padding:30px 18px}.wp .page-community-code-of-conduct .coc-content h4{margin-bottom:30px}@media screen and (min-width:1000px){.wp .page-community-code-of-conduct h1,.wp .page-community-code-of-conduct h2{font-size:48px;line-height:55px;padding-top:40px}.wp .page-community-code-of-conduct .coc-header{-ms-flex-align:center;align-items:center;display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;padding:60px 18px}.wp .page-community-code-of-conduct .coc-header-content,.wp .page-community-code-of-conduct .coc-header-img{width:50%}.wp .page-community-code-of-conduct .coc-header-img img{padding:80px;margin:0;max-width:100%}.wp .page-community-code-of-conduct .coc-header p{max-width:425px}}@media screen and (min-width:1000px){.wp .page-community-code-of-conduct .coc-list{padding:60px 0}}@media screen and (min-width:100px){.wp .page-community-code-of-conduct .coc-content{padding:60px 18px}}.wp .page-confluent-community-license-faq table{margin:20px 0;width:100%}.wp .page-confluent-community-license-faq table td,.wp .page-confluent-community-license-faq table th{padding:10px;vertical-align:top;border:1px solid #000}.wp .page-confluent-community-license-faq table th{color:#c5832e;text-transform:uppercase}.wp .page-confluent-community-license-faq table td{width:50%}.wp .page-confluent-community-license-faq table tr.head td{background-color:#b4e1e4!important;color:#0074a2;text-transform:uppercase}.wp .page-confluent-community-license-faq table tbody tr:nth-child(2n) td{background-color:#e6f5fb}.wp .confluent-verified-integration-faqs-module--page--BYndC span{font-weight:400}.wp .confluent-verified-integration-faqs-module--page--BYndC .confluent-verified-integration-faqs-module--faq--2vNyy{border-top:1px solid #eee;padding-top:40px}.wp .confluent-verified-integration-faqs-module--page--BYndC .confluent-verified-integration-faqs-module--faq--2vNyy ul li li{margin-bottom:0}.cookies-module--container--30krb h3{text-align:center}.cookies-module--container--30krb .cookies-module--cookiesTable--E-5QH{font-size:18px;border:1px solid #ccc;border-collapse:collapse;margin:0;padding:0;width:100%;table-layout:fixed}.cookies-module--container--30krb .cookies-module--cookiesTable--E-5QH tr:nth-child(2n){background-color:#ecec;eccc;border:1px solid #ddd;padding:.35em}.cookies-module--container--30krb .cookies-module--cookiesTable--E-5QH tr:nth-child(odd){background-color:#dcd8d8;border:1px solid #ddd;padding:2em}.cookies-module--container--30krb .cookies-module--cookiesTable--E-5QH tr:nth-child(2n) td,.cookies-module--container--30krb .cookies-module--cookiesTable--E-5QH tr:nth-child(odd) td{border-right:1px solid #ddd;padding:10px;vertical-align:unset}.cookies-

module--container--30krb .cookies-module--cookiesTable--E-5QH tr:first-child{background-color:#777373;border:1px solid #ddd;padding:.35em}.cookies-module--container--30krb .cookies-module--cookiesTable--E-5QH tr:first-child td{border-right:1px solid #ddd;padding:10px;color:#fff}.cookies-module--container--30krb .cookies-module--cookiesTable--E-5QH td:nth-of-type(3n) ul{margin-top:15px}.wp .page-template-industry-solutions-page .main_banner{background:#b4e1e4}.wp .page-template-industry-solutions-page .main_banner p{font-weight:400;font-size:26px;max-width:800px;margin-left:auto;margin-right:auto;margin-top:20px;line-height:36px}.wp .page-template-industry-solutions-page .main_banner .white_outline_button{background-color:#ff671f;border:2px solid #ff671f;padding:10px 50px}.wp .page-template-industry-solutions-page .featured_use_cases_section h2{font-size:32px;font-weight:500}.wp .page-template-industry-solutions-page .featured_use_cases_section .uc_item{margin-top:20px}.wp .page-template-industry-solutions-page .featured_use_cases_section .uc_item .uc_inner{background-color:#fff;text-align:left;padding:20px 35px;font-size:16px}.wp .page-template-industry-solutions-page .featured_use_cases_section .uc_item .uc_inner h3{font-size:22px;font-weight:700;color:#4596ca}.wp .page-template-industry-solutions-page .cta_section{padding:80px 0 90px;text-align:center;background-color:#f0f0f0}.wp .page-template-industry-solutions-page .cta_section h2{font-size:48px;line-height:1.08;color:#2a323c}.wp .page-template-industry-solutions-page .cta_section p{font-size:26px;line-height:1.23;color:#111820!important;margin-bottom:0;padding-bottom:0}.wp .page-template-industry-solutions-page .industry_solution_section h2{font-size:32px;font-weight:500}.wp .page-template-industry-solutions-page .solution_categories{margin-top:20px}.wp .page-template-industry-solutions-page .solution_categories .solution_category{height:300px;background:#173361}.wp .page-template-industry-solutions-page .solution_categories .solution_category:nth-child(2n){background:#0074a2}.wp .page-template-industry-solutions-page .solution_categories .solution_category.cbp-singlePageInline-active{opacity:1!important;overflow:visible}.wp .page-template-industry-solutions-page .solution_categories .solution_category.cbp-singlePageInline-active .cbp-item-wrapper{z-index:2}.wp .page-template-industry-solutions-page .solution_categories .solution_category.cbp-singlePageInline-active:after{content:"";display:block;position:absolute;left:50%;bottom:-30px;margin-left:-50px;border:50px solid transparent;border-bottom-color:#eff2f5;z-index:1}.wp .page-template-industry-solutions-page .solution_categories .solution_category img{display:block;margin:0 auto 38px;width:auto}.wp .page-template-industry-solutions-page .solution_categories .solution_category .cbp-l-caption-title{font-size:26px;font-weight:700}.wp .page-template-industry-solutions-page .solution_categories .solution_category .cbp-l-caption-desc{margin-top:35px}.wp .page-template-industry-solutions-page .solution_categories .solution_category .white_button{color:#4596ca;transition:inherit;background-color:#fff;border-radius:2px;font-size:16px;line-height:24px;padding:6px 25px;display:inline-block;font-weight:700}.wp .page-template-industry-solutions-page .solution_categories .solution_category_info{background-color:#eff2f5;padding:30px 35px}.wp .page-template-industry-solutions-page .solution_categories .solution_category_info .desc h4{color:#4596ca;font-size:22px;line-height:normal;font-weight:700}.wp .page-template-industry-solutions-page .solution_categories .solution_category_info .solution_item{margin-top:20px}.wp .page-template-industry-solutions-page .solution_categories .solution_category_info .solution_item .solution_item_inner{background-color:#fff;padding:25px 25px 50px;position:relative;height:100%}.wp .page-template-industry-solutions-page .solution_categories .solution_category_info .solution_item h4{font-size:18px;font-weight:700;line-height:normal;padding:0;margin-bottom:20px}.wp .page-template-industry-solutions-page .solution_categories .solution_category_info .solution_item .morelink{position:absolute;bottom:20px;left:25px}.wp .page-template-industry-solutions-page .solution_categories .cbp-popup-singlePageInline{margin-bottom:60px}.wp .page-template-industry-solutions-page .solution_categories .cbp-popup-singlePageInline .cbp-popup-content{margin-bottom:30px}.wp .page-template-industry-solutions-page .solution_categories .cbp-popup-singlePageInline .cbp-popup-navigation{display:none}.wp .page-template-industry-solutions-page .desc h5{font-size:18px;font-weight:700}.wp .page-template-industry-solutions-page .desc ul{padding:0;list-style:none}.wp .page-template-industry-solutions-page .desc ul li{padding-left:20px;background-image:url(https://cdn.confluent.io/wp-content/themes/confluent/assets/images/li-style.png);background-repeat:no-repeat;background-position:left 10px}@media screen and (min-width:768px){.wp .page-template-industry-

solutions-page .additional-resources-row{display:-ms-flexbox;display:flex}.modern-slavery-policy-module--page--s-_47{text-align:left!important}.modern-slavery-policy-module--page--s-_47 h2{color:#333;font-size:30px;font-weight:400;line-height:36px;margin:0;padding:10px 0;text-align:center}.modern-slavery-policy-module--page--s-_47 h3{font-size:20px}.modern-slavery-policy-module--page--s-_47 ol{font-weight:300;line-height:1.78;color:#4a4a4a;font-size:18px}.wp .page-nominate .nomination .h3-border:after{content:"";height:2px;width:40px;background:#257bd7;margin-top:5px;display:block;position:relative}@media screen and (max-width:1000px){.wp .page-nominate .nomination .h3-border{text-align:center}.wp .page-nominate .nomination .h3-border:after{margin:5px auto 0}}.wp .page-nominate .nomination img{margin:0}.wp .page-nominate .nomination .row{display:-ms-flexbox;display:flex}@media screen and (max-width:1000px){.wp .page-nominate .nomination .row{margin-left:0;margin-right:0}}.wp .page-nominate .nomination h1,.wp .page-nominate .nomination h2{font-size:45px;line-height:61px;max-width:900px}.wp .page-nominate .nomination h3{font-size:16px!important;line-height:21px!important;text-transform:uppercase}.wp .page-nominate .nomination__hero{padding-top:100px;background:#257bd7}@media screen and (max-width:1000px){.wp .page-nominate .nomination__hero .row{display:block}}.wp .page-nominate .nomination__hero h1,.wp .page-nominate .nomination__hero h2,.wp .page-nominate .nomination__hero h3,.wp .page-nominate .nomination__hero p{color:#fff}@media screen and (max-width:1000px){.wp .page-nominate .nomination__hero h1,.wp .page-nominate .nomination__hero h2,.wp .page-nominate .nomination__hero h3,.wp .page-nominate .nomination__hero p{text-align:center}}.wp .page-nominate .nomination__hero p{font-size:18px;line-height:27px;max-width:600px}@media screen and (max-width:1000px){.wp .page-nominate .nomination__hero p{margin:0 auto}}.wp .page-nominate .nomination__hero h3{color:#d8d8d8}.wp .page-nominate .nomination__hero .row{position:relative}@media screen and (min-width:1000px){.wp .page-nominate .nomination__hero .row{display:-ms-flexbox;display:flex}}@media screen and (min-width:1000px){.wp .page-nominate .nomination__hero .half:first-child{width:60%;padding-bottom:200px}}.wp .page-nominate .nomination__hero .half:last-child{margin:0 auto;width:50%}@media screen and (min-width:1000px){.wp .page-nominate .nomination__hero .half:last-child{position:absolute;right:0;bottom:0}}.wp .page-nominate .nomination__pillars{background:#eeff4;padding:60px 0}.wp .page-nominate .nomination__pillars .row{-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between}.wp .page-nominate .nomination__pillars h3{margin-bottom:45px}.wp .page-nominate .nomination__pillars .nomination__pillar{text-align:center;width:100%}.wp .page-nominate .nomination__pillars .nomination__pillar p{font-size:16px}.wp .page-nominate .nomination__pillars .nomination__pillar img{max-width:90px}@media screen and (min-width:550px) and (max-width:999px){.wp .page-nominate .nomination__pillars .nomination__pillar{width:50%}}@media screen and (min-width:1000px){.wp .page-nominate .nomination__pillars .nomination__pillar{width:15%}}.wp .page-nominate .nomination__pillars p{font-size:18px;line-height:27px;margin-top:20px}.wp .page-nominate .nomination__content{background-repeat:repeat-x;background-position:bottom;background-image:url(https://cdn.confluent.io/images/nominations/buildings-bg.png);margin-top:100px}@media screen and (min-width:1200px){.wp .page-nominate .nomination__content{background-position:50%}}.wp .page-nominate .nomination__content img{max-width:100%;width:auto}.wp .page-nominate .nomination__content p{font-size:16px}.wp .page-nominate .nomination__content .row{position:relative;-ms-flex-wrap:wrap;flex-wrap:wrap;text-align:center}@media screen and (min-width:1000px){.wp .page-nominate .nomination__content .row{text-align:left}}@media screen and (min-width:1000px){.wp .page-nominate .nomination__content .row:last-child{margin-top:100px}}.wp .page-nominate .nomination__content .row:last-child .half:first-child{padding-left:0}@media screen and (min-width:1000px){.wp .page-nominate .nomination__content .row:last-child .half:first-child{margin-top:-75px}}.wp .page-nominate .nomination__content .image--right{display:none;margin-top:40px;float:right}@media screen and (min-width:1000px){.wp .page-nominate .nomination__content .image--right{display:block}}.wp .page-nominate .nomination__content .container{background-size:cover;background-position:bottom;background-repeat:no-repeat;padding-bottom:50px;padding-top:100px}.wp .page-nominate .nomination__content .container .half{width:100%}@media screen and (min-width:1000px){.wp .page-nominate

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.nomination__content .container .half{width:46%}.wp .page-nominate .nomination__content .container .half:first-child{padding-left:30px}.wp .page-nominate .nomination__content .container .half:last-child{padding-right:30px;margin-left:8%}}.wp .page-nominate
.nomination__form{background:#2a2e71;overflow:hidden;position:relative}@media screen and (min-width:1000px){.wp .page-nominate .nomination__form{padding-bottom:150px}}.wp .page-nominate .nomination__form:before{background-image:url(https://cdn.confluent.io/images/nominations/blue-buildings.png);display:block;height:70%;width:685px;position:absolute;background-size:cover;z-index:1;left:65%;background-repeat:no-repeat;bottom:250px}@media screen and (min-width:1000px){.wp .page-nominate .nomination__form:before{content:""}}.wp .page-nominate .nomination__form .container{padding:100px 0 50px}.wp .page-nominate .nomination__form .container>div:first-child{width:100%}@media screen and (min-width:1000px){.wp .page-nominate .nomination__form .container>div:first-child{width:60%}}.wp .page-nominate .nomination__form h2{padding-left:10px}.wp .page-nominate .nomination__form h2,.wp .page-nominate .nomination__form h3,.wp .page-nominate .nomination__form h4,.wp .page-nominate .nomination__form p{color:#fff}.wp .page-nominate .nomination__form p{font-size:18px;line-height:27px}.wp .page-nominate .nomination__form label.error{color:red;position:absolute;top:0;margin:0;right:0;width:auto}.wp .page-nominate .nomination__form-row{position:relative}.wp .page-nominate .nomination__form-row input,.wp .page-nominate .nomination__form-row label,.wp .page-nominate .nomination__form-row textarea{color:#afb0b3;display:block;width:100%}.wp .page-nominate .nomination__form-row label{letter-spacing:1px;margin:20px 0 10px;text-transform:uppercase}.wp .page-nominate .nomination__form-row textarea{min-height:250px;padding:15px}.wp .page-nominate .nomination__form-row input,.wp .page-nominate .nomination__form-row textarea{background:transparent;border:1px solid #afb0b3}.wp .page-nominate .nomination__form-row input[type=email],.wp .page-nominate .nomination__form-row input[type=text],.wp .page-nominate .nomination__form-row textarea[type=email],.wp .page-nominate .nomination__form-row textarea[type=text]{padding:17px}.wp .page-nominate .nomination__form-row--radio input,.wp .page-nominate .nomination__form-row--radio label{display:inline;width:auto}.wp .page-nominate .nomination__form-row--radio p{margin-top:15px;opacity:0;transition:opacity .6s}.wp .page-nominate .nomination__form-row--radio input{margin-right:6px}.wp .page-nominate .nomination__form-row--radio label{margin-right:20px}.wp .page-nominate .nomination__form-row--radio .isOver18{display:block}.wp .page-nominate .nomination__form-row--control button{background:#257bd7;border-radius:50px;border:none;color:#fff;font-size:24px;line-height:28px;margin-right:10px;margin-top:30px;min-width:260px;outline:none;padding:15px 20px;text-align:center;-ms-transform:scale(1);transform:scale(1);transition:all .4s ease}.wp .page-nominate .nomination__form-row--control button:hover{-ms-transform:scale(1.025);transform:scale(1.025);background:#1e62ab}.wp .page-nominate .nomination__form-row--control button.nomination__button--prev{background:none;border:1px solid #257bd7;color:#257bd7}@media screen and (max-width:600px){.wp .page-nominate .nomination__form-row--control{text-align:center}.wp .page-nominate .nomination__form-row--control button{display:block;font-size:18px;margin:15px auto;max-width:60%}}.wp .page-nominate .nomination__form .swiper-pagination{bottom:0;left:50%;padding:14px 0;position:relative;-ms-transform:translateX(-50%);transform:translateX(-50%)}@media screen and (min-width:1000px){.wp .page-nominate .nomination__form .swiper-pagination{bottom:10px;position:absolute}}.wp .page-nominate .nomination__form .swiper-pagination-bullet{background:#d8d8d8;height:12px;margin:0 3px;opacity:1;width:12px}.wp .page-nominate .nomination__form .swiper-pagination-bullet-active{background:#257bd7}.wp .page-nominate .nomination__form .swiper-slide{padding:10px}.wp .page-nominate .nomination__form .swiper-slide fieldset{display:none}.wp .page-nominate .nomination__form .swiper-slide:first-child fieldset{display:block}.wp .page-nominate .nomination__form .container{position:relative}.wp .page-nominate .nomination__form img{bottom:-30px;right:-50%;max-width:450px;position:relative;-ms-transform:translateX(-50%);transform:translateX(-50%);z-index:2}@media screen and (min-width:1000px){.wp .page-nominate .nomination__form img{bottom:0;position:absolute;right:0;-ms-transform:translateX(0);transform:translateX(0)}}.wp .page-nominate .nomination__form .thank-

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you{display:none;padding:0 10px}@media screen and (min-width:1000px){.wp .page-nominate .nomination__form
.thank-you{margin-bottom:300px}}.wp .page-nominate .nomination .nomination-content{background-
color:#d61c50;padding:15px;color:#fff;text-align:center}.wp .page-nominate .nomination .nomination-
paragraph{margin:0 auto;color:#fff;font-size:16px;letter-spacing:.2px;width:70%;font-weight:400}@media screen
and (max-width:768px){.wp .page-nominate .nomination .nomination-paragraph{font-size:14px;width:90%}}.wp
.page-nominate .nomination .nomination__people{margin:20px 0}.wp .page-nominate .nomination
.nomination__people h2{max-width:none;text-align:center;margin:0;padding:0}.wp .page-nominate .nomination
.nomination__people img{border-radius:50%;width:112px;height:112px;border:1px solid #fff;-o-object-
fit:cover;object-fit:cover}.wp .page-nominate .nomination .nomination__people img.avatar{border-color:#ccc}.wp
.page-nominate .nomination .nomination__people .country-flag{width:25px;height:auto;-o-object-fit:contain;object-
fit:contain}.wp .page-nominate .nomination .nomination__people .container{display:-ms-flexbox;display:flex;-ms-
flex-wrap:wrap;flex-wrap:wrap}.wp .page-nominate .nomination .nomination__people .container>div{text-
align:center;width:20%;margin:25px 0}.wp .page-nominate .nomination .nomination__people .container>div:nth-
child(5n){margin-right:0}.wp .page-nominate .nomination .nomination__people .name{margin-top:5px}@media
screen and (max-width:920px){.wp .page-nominate .nomination .nomination__people .container{-ms-flex-
pack:center;justify-content:center}.wp .page-nominate .nomination .nomination__people .container>div{text-
align:center;width:30%}}@media screen and (max-width:540px){.wp .page-nominate .nomination
.nomination__people .container>div{text-align:center;width:40%}}@media screen and (max-width:360px){.wp
.page-nominate .nomination .nomination__people .container>div{text-align:center;width:100%}}.wp .previous-
versions-module--container---YDGX td{height:auto}.sub-processors-module--page--2onUo table{border:1px solid
#ccc;border-collapse:collapse;margin:0;padding:0;width:100%;table-layout:fixed;height:250px}.sub-processors-
module--page--2onUo table thead tr{background-color:#dcd8d8;border:1px solid #ddd;padding:.35em}.sub-
processors-module--page--2onUo table tbody tr{border:1px solid #ddd;padding:.35em}.sub-processors-module--
page--2onUo table td{border-right:1px solid #ddd;padding:10px;height:24px;width:33.2969%}.wp .page-template-
subscription .subscription-confluent-platform{margin-bottom:40px}.wp .page-template-subscription .sublist{font-
family:MarkOT,sans-serif!important;font-size:16px!important;font-weight:300!important;line-
height:24px!important;color:#4a4a4a!important}.wp .page-template-subscription .content-container{margin-
left:40px}.style-module--container--2SjuF ul li{font-weight:300;line-height:1.78;color:#4a4a4a;font-
size:18px}.style-module--container--2SjuF ul ul{margin:0}.wp .page-why-confluent .full-bleed-
banner{background-image:url(https://cdn.confluent.io/wp-content/uploads/hero-image.png);background-
size:cover;background-position:50%;padding:60px 0;text-align:center}@media only screen and (min-
width:480px){.wp .page-why-confluent .full-bleed-banner{padding:90px 0}}@media only screen and (min-
width:540px){.wp .page-why-confluent .full-bleed-banner{padding:120px 0}}@media only screen and (min-
width:768px){.wp .page-why-confluent .full-bleed-banner{padding:250px 0}}.wp .page-why-confluent .full-bleed-
banner__subtitle{color:#fff;font-size:18px;line-height:24px;font-weight:400;text-transform:uppercase}.wp .page-
why-confluent .full-bleed-banner h1{color:#fff;font-size:60px;line-height:80px;font-weight:700}.wp .page-why-
confluent .full-bleed-banner__buttons{position:relative;margin:12px auto 0}@media only screen and (min-
width:768px){.wp .page-why-confluent .full-bleed-banner__buttons{-ms-flex-align:start;align-items:flex-
start;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}}.wp .page-why-confluent .full-
bleed-banner__buttons a{border-radius:8px;font-size:14px;display:block;line-height:14px;margin:0 auto
18px;opacity:1;padding:18px 42px;text-transform:uppercase;transition:opacity .3s ease;width:-webkit-max-
content;width:-moz-max-content;width:max-content}@media only screen and (min-width:768px){.wp .page-why-
confluent .full-bleed-banner__buttons a{display:inline-block;margin:0}}.wp .page-why-confluent .full-bleed-
banner__buttons a:hover{opacity:.75}@media only screen and (min-width:768px){.wp .page-why-confluent .full-
bleed-banner__buttons a+a{margin-left:18px}}.wp .page-why-confluent .full-bleed-banner__buttons a:first-
child{background-color:#fff;color:#637fed}.wp .page-why-confluent .full-bleed-banner__buttons a:last-
child{border:1px solid #fff;background-color:transparent;color:#fff;margin-bottom:0}.wp .page-why-confluent
.schema-registry{overflow-x:hidden}.page-template-customers .bg-grey{display:block;z-index:1;opacity:1}.page-

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template-customers .swiper-wrapper{height:auto!important}.page-template-customers .featured-
stories{background-image:linear-gradient(180deg,hsla(0,0%,100%,0),rgba(70,152,203,.08))}.page-template-
customers .featured-stories.bg-grey,.page-template-customers .featured-stories.bg-white{background-
image:none!important}.page-template-customers .featured-stories.bg-grey{background-
color:#fafafa!important}.page-template-customers .featured-stories__stories{margin-top:48px}@media screen and
(min-width:768px){.page-template-customers .featured-stories__stories{display:-ms-flexbox;display:flex;-ms-flex-
pack:center;justify-content:center;-ms-flex-wrap:wrap;flex-wrap:wrap}}.page-template-customers .featured-
stories__story{background-color:#fff;border:1px solid #ddd;border-radius:10px;display:block;margin-
bottom:30px;padding:30px;position:relative;text-align:left}@media screen and (min-width:768px){.page-template-
customers .featured-stories__story{margin:1%;width:48%}}@media screen and (min-width:992px){.page-template-
customers .featured-stories__story{width:31%}}.page-template-customers .featured-stories__story [data-mh=story-
image]{-ms-flex-align:center;align-items:center;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-
content:center;margin-bottom:12px}.page-template-customers .featured-stories__story [data-mh=story-image]
img{margin:0}.page-template-customers .featured-stories__story h3{color:#4a4a4a;font-size:24px;font-
weight:700;line-height:30px;margin-bottom:12px}.page-template-customers .featured-
stories__story h3 a{color:#4597cb;margin-top:0}.page-template-customers .featured-stories__story h3 a:hover{text-
decoration:none}.page-template-customers .featured-stories__story p{color:#8b8d90;font-size:16px;font-
weight:400;line-height:28px;margin-bottom:0}.page-template-customers .featured-stories__story
a{display:block;margin-top:24px}.page-template-customers .featured-stories__story a img{margin-left:0}.page-
template-customers .featured-stories__story .icon-container{display:inline-block;vertical-align:middle;margin-
right:10px}.page-template-customers .featured-stories__bubbles{margin-top:30px}@media screen and (min-
width:768px){.page-template-customers .featured-stories__bubbles{-ms-flex-align:center;align-
items:center;display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:center;justify-
content:center}}.page-template-customers .featured-stories__bubble{-ms-flex-align:center;align-
items:center;background:#fff;border-radius:50%;display:-ms-flexbox;display:flex;height:160px;margin:0 auto
30px;padding:18px;position:relative;width:160px}@media screen and (min-width:768px){.page-template-
customers .featured-stories__bubble{margin:0 12px 30px}}.page-template-customers .featured-stories__bubble
div{-ms-flex-align:center;align-items:center;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-
content:center;position:relative;text-align:center;width:100%}.page-template-customers .featured-stories__bubble
img{margin:0}.page-template-customers .featured-stories__bubble span{display:block!important}.page-template-
customers .image-text-carousel{background-image:linear-
gradient(180deg,hsla(0,0%,100%,0),rgba(70,152,203,.08))}.page-template-customers .image-text-carousel.bg-
grey,.page-template-customers .image-text-carousel.bg-white{background-image:none!important}.page-template-
customers .image-text-carousel.bg-grey{background-color:#fafafa!important}.page-template-customers .image-text-
carousel .container{position:relative}.page-template-customers .image-text-carousel .swiper-container .swiper-
slide__content{margin:0 auto;padding:0 60px;position:relative;text-align:left}.page-template-customers .image-
text-carousel .swiper-container .swiper-slide__content>div:first-child{margin-bottom:24px}@media screen and
(min-width:768px){.page-template-customers .image-text-carousel .swiper-container .swiper-
slide__content{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between}.page-
template-customers .image-text-carousel .swiper-container .swiper-slide__content>div:first-child{margin-
bottom:0;padding:0 30px;width:40%}.page-template-customers .image-text-carousel .swiper-container .swiper-
slide__content>div:last-child{width:60%}}.page-template-customers .image-text-carousel .swiper-container
.swiper-slide__content img{margin:0;padding:0}.page-template-customers .image-text-carousel .swiper-container
.swiper-slide__content h3{color:#4a4a4a;font-size:24px;font-weight:700;line-height:38px;margin-top:0;padding-
top:0}.page-template-customers .image-text-carousel .swiper-container .swiper-slide__content
p{color:#4a4a4a;font-size:16px;line-height:32px}.page-template-customers .image-text-carousel .swiper-button-
next,.page-template-customers .image-text-carousel .swiper-button-prev{background-image:none;border-
bottom:4px solid #8b8d90;border-left:4px solid #8b8d90;height:30px;width:30px;-ms-

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transform:rotate(45deg);transform:rotate(45deg)}.page-template-customers .image-text-carousel .swiper-button-
next{-ms-transform:rotate(-135deg);transform:rotate(-135deg)}.page-template-customers .image-text-carousel
.swiper-pagination{margin-top:30px;position:relative}.page-template-customers .image-text-carousel .swiper-
pagination .swiper-pagination-bullet{background-color:transparent;border:1px solid #8b8d90;height:9px;margin:0
9px;opacity:1;width:9px}.page-template-customers .image-text-carousel .swiper-pagination .swiper-pagination-
bullet-active{background-color:#8b8d90}.page-template-customers .section.hero_overview.hero-
section{padding:90px 0 30px!important}@media screen and (max-width:800px){.page-template-customers
.section.hero_overview.hero-section{padding:60px 0 30px!important}}.page-template-customers .cc-featured-table-
header{padding:30px 0;position:relative}.page-template-customers .cc-featured-table-
header:before{content:"";display:block;width:100%;height:1px;border-top:1px solid
#dce0e4;position:absolute;left:0;bottom:0}.page-template-customers .license-table{background:#fff;padding:0 0
90px;position:relative}.page-template-customers .license-table p{font-size:16px}.page-template-customers .license-
table h4{color:#8e9093;font-size:18px;font-weight:600;line-height:28px;padding:0}.page-template-customers
.license-table hr{margin-top:20px}.page-template-customers .license-table ul{margin-bottom:30px}.page-template-
customers .license-table ul ul{margin-top:18px;padding-left:24px}.page-template-customers .license-table
li{color:#8e9093;margin-bottom:20px;font-weight:300}.page-template-customers .license-table .row{box-
shadow:none;display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-
content:space-between}.page-template-customers .half{padding:30px}.page-template-customers .half #download-
cloud-half-button{background-color:rgba(74,148,214,.85);background-image:radial-gradient(ellipse farthest-corner
at -40% 260%,#4a94d6 0,rgba(49,109,194,0) 80%,#4e95d3 0),linear-
gradient(258deg,rgba(87,238,255,.1),rgba(77,108,211,0));border-radius:50px;box-
shadow:none;color:#fff;display:inline-block;min-width:360px;padding:16px 20px 16px 65px;position:relative;text-
align:left;text-decoration:none}.page-template-customers .half #download-cloud-half-
button:before{content:"";background-repeat:no-repeat;background-
size:contain;width:40px;height:40px;position:absolute;left:20px;top:28px;transition:all .1s ease-in}.page-template-
customers .tabs-stage{padding-bottom:60px;box-shadow:0 0 30px 0 rgba(57,84,109,.14)}.page-template-customers
.license-table.test-2 .row{border:none;box-shadow:none;padding:0}.page-template-customers .license-table .layout-
break{margin:-35px 0 35px;font-size:36px;line-height:46px}.page-template-customers .line-dot-
right:before{width:calc(100% - 60px)}.page-template-customers .line-dot-right:after{right:50px}.page-template-
customers .test-2 .container h2+div>h3{color:#8e9093;font-size:16px;font-weight:300;letter-spacing:2px;line-
height:2;text-transform:uppercase}@media screen and (min-width:800px){.page-template-customers
.half{width:49.9%}.page-template-customers .license-table .row{-ms-flex-wrap:nowrap;flex-wrap:nowrap}}.page-
template-customers .skinny{padding-top:90px}.page-template-customers .skinny h2{color:#8e9093;font-
size:32px;line-height:52px;font-weight:300}.page-template-customers .skinny p{color:#4698cb;font-
size:16px}.page-template-customers .skinny img{opacity:.1;margin:0 0 10px}.page-template-customers .featured-
table+.featured-table{margin-top:90px}.page-template-customers .featured-table table{width:100%}.page-template-
customers .featured-table h3{color:#4a4a4a;font-size:24px;line-height:38px;letter-spacing:.7px;text-
transform:none}.page-template-customers .featured-table h3+ul{color:#8e9093;font-weight:300;list-
style:none;padding:0}.page-template-customers .featured-table h3+ul li{padding:0 0 6px!important}.page-template-
customers .featured-table .gs-tooltip,.page-template-customers .featured-table h4{padding:17px}.page-template-
customers .gs-tooltip>p,.page-template-customers td>p{color:#4a4a4a}@media screen and (max-
width:800px){.page-template-customers .gs-tooltip>p,.page-template-customers td>p{font-
size:12px!important}}.page-template-customers .table-dot{background:#4698cb;border-
radius:30px;height:15px;margin:0 auto;text-align:center;width:15px}.page-template-customers .featured-table
h4{font-size:12px;line-height:32px;letter-spacing:2px;text-transform:uppercase;color:#8e9093}.page-template-
customers .thead-no-background h3{font-weight:600;margin:0;padding-top:60px}@media screen and (max-
width:800px){.page-template-customers .thead-no-background h3{font-size:18px!important}}@media screen and
(max-width:800px){.page-template-customers .thead-no-background h4{font-size:10px!important;padding:10px

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0}}.page-template-customers .featured-table .tr-heading{background:#fafafa}.page-template-customers .no-
 border{border:none!important}.page-template-customers .featured-table table+table tbody tr{border-bottom:1px
 solid rgba(0,0,0,.1)}.page-template-customers .featured-table table tbody td:first-child{width:50%}.page-template-
 customers section.three-col-media-blocks{text-align:left;padding:0}.page-template-customers section.three-col-
 media-blocks section.three-col-media-blocks img{opacity:.3}.page-template-customers section.three-col-media-
 blocks p{margin:10px 0 20px}.page-template-customers section.three-col-media-blocks a{font-size:18px}.page-
 template-customers section.three-col-media-blocks li div:first-child{display:block}.page-template-customers
 section.three-col-media-blocks li div img{margin:0;max-width:120px}.page-template-customers .cta-links-
 section{padding-top:0}.page-template-customers .cta-links-section h4{font-weight:500}.page-template-customers
 .cta-links-section__title{color:#8e9093;font-size:12px;letter-spacing:3px;text-transform:uppercase}@media screen
 and (max-width:800px){.page-template-customers .cta-links-section .col-12{margin-bottom:30px}}.page-template-
 customers .three-col-media-blocks .intro-title{max-width:100%}.page-template-customers .three-col-media-blocks
 .intro-title h2{margin:25px 0;padding-bottom:45px;position:relative;text-align:left;width:100%}.page-template-
 customers .three-col-media-blocks .intro-title h2:before{content:"";display:block;width:calc(100% -
 10px);height:1px;border:2.5px solid #dce0e4;position:absolute;left:0;bottom:0;border-radius:5px}.page-template-
 customers .three-col-media-blocks .intro-title h2:after{content:"";display:block;width:1px;height:1px;border:2.5px
 solid #dce0e4;position:absolute;right:0;bottom:0;border-radius:5px}.page-template-customers .download_white
 h5{color:#4597cb!important}.page-template-customers #download_cp_cc__cloud tr td .gs-tooltip{text-
 align:center}.page-template-customers #download_cp_cc__cloud tr td:first-child .gs-tooltip{text-align:left}.page-
 template-customers #download_cp_cc__cloud .featured-table table tbody tr{border-bottom:1px dashed
 #d3d0d0}.page-template-customers #download_cp_cc__cloud .featured-table table tbody td:first-
 child{width:30%}.page-template-customers #download_cp_cc__cloud .featured-table table td
 .rounded_button,.page-template-customers #download_cp_cc__cloud .featured-table table td
 button{background:#4597cb;border-radius:50px;border:2px solid transparent;color:#fff;display:block;font-
 size:14px;font-weight:500;letter-spacing:2px;margin:0 auto;max-width:160px;min-width:0;min-
 width:160px;padding:12px 0 11px;position:relative;text-align:center;text-transform:uppercase;transition:background
 .35s ease-out,color .35s ease-out;white-space:nowrap}@media screen and (max-width:768px){.page-template-
 customers #download_cp_cc__cloud .featured-table table td .rounded_button,.page-template-customers
 #download_cp_cc__cloud .featured-table table td button{font-size:11px;min-width:110px;max-
 width:110px;margin-left:auto!important}}.page-template-customers #download_cp_cc__cloud .featured-table table
 td .chart-cta-links{color:#5996c6;display:block;margin-top:30px;text-decoration:underline;font-
 weight:300}@media screen and (max-width:768px){.page-template-customers #download_cp_cc__cloud .featured-
 table table td .chart-cta-links{font-size:11px;min-width:110px;max-width:110px;margin-
 left:auto!important}}@media screen and (max-width:480px){.page-template-customers #download_cp_cc__cloud
 .featured-table table td{min-width:0;max-width:none;display:table-cell}}.page-template-customers
 .rounded_button{position:relative;display:inline-block;text-decoration:none;border-radius:50px;box-shadow:2px
 3px 6px 0 rgba(0,0,0,.25);box-shadow:none;min-width:360px;max-width:370px;text-align:left;font-
 size:18px}.page-template-customers .rounded_button.simple_blue,.page-template-customers
 .rounded_button.simple_white{border:2px solid #4a94d6}.page-template-customers .download_blue-
 c3{background-image:radial-gradient(ellipse farthest-corner at -40% 260%,#4a94d6 0,rgba(49,109,194,0)
 80%,#4e95d3 0),linear-gradient(258deg,rgba(87,238,255,.1),rgba(77,108,211,0));background-
 color:rgba(74,148,214,.85);color:#fff;padding:16px 20px 16px 65px}.page-template-customers .no-
 icon:before{background-image:none!important}.page-template-customers .rounded_button
 h5{display:block;padding:0;opacity:.99;font-family:Roboto;font-size:24px;font-weight:700;font-style:normal;font-
 stretch:normal;line-height:1.6;letter-spacing:.7px;text-align:left;color:#fff}.page-template-customers
 .global__breadcrumbs{font-size:12px;margin-bottom:60px}.page-template-customers .global__breadcrumbs
 ul{margin:auto;list-style:none;overflow:hidden;position:static}.page-template-customers .global__breadcrumbs
 li{float:left}.page-template-customers .global__breadcrumbs li a{font-weight:300}.page-template-customers

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.global__breadcrumbs li:after{ color:#4698cb;content:">";padding:6px }.page-template-customers
.global__breadcrumbs li:last-child:after{ content:"" }.page-template-customers .download_blue-
c3:before{ content:"";background-repeat:no-repeat;background-
size:contain;width:40px;height:40px;position:absolute;left:20px;top:28px;transition:all .1s ease-in }.page-template-
customers .single--text:before{ width:30px;height:30px;top:20px }.page-template-customers .download_blue-
simple{ position:relative;width:240px;height:45px;padding:0;line-height:54px;margin-right:17px;background-
color:#4597cb;color:#fff;border:3px solid #4597cb;border-radius:77.5px;opacity:.99;font-size:18px;font-
weight:700;letter-spacing:1px;transition:all .3s ease;display:inline-block;text-align:center;white-
space:nowrap;vertical-align:middle;cursor:pointer;background-image:none;text-decoration:none!important;margin-
top:15px;margin-bottom:25px }.page-template-customers .cta-text-block h2{ margin-bottom:60px }.page-template-
customers .download_blue-simple h5{ color:#fff;text-decoration:none!important;padding:5px 15px;font-
size:16px }.page-template-customers .paper_white-c3{ margin-left:15px;position:relative;display:inline-block;min-
width:360px;text-align:left;font-size:18px;text-decoration:none!important;border-radius:50px;background-
color:#fff;color:#4a94d6;padding:17px 21px 16px 70px;outline:0;transition:all .4s ease-in-out;border:3px solid
#4698cb }.page-template-customers .paper_white-c3 h5{ display:block;padding:0;opacity:.99;font-
family:Roboto;font-size:24px;font-weight:700;font-style:normal;font-stretch:normal;line-height:1.6;letter-
spacing:.7px;text-align:left;color:#4a94d6 }.page-template-customers .paper_white-
c3:before{ content:"";background-image:url(https://cdn.confluent.io/wp-
content/themes/confluent/assets/images/paper_white_link_icon.png);background-repeat:no-repeat;background-
size:contain;width:51px;height:51px;position:absolute;left:13px }.page-template-customers .download_blue-c3
span,.page-template-customers .paper_white-c3 span{ display:block;font-size:15px;line-height:20px }.page-template-
customers .c3-video_container a.play_btn{ background-
size:contain;position:absolute;content:"play";display:block;width:21%;height:30%;text-align:left;text-indent:-
9999px;background-repeat:no-repeat;background-size:cover;top:40%;right:50%;margin-top:-41px;margin-left:-
34px }.page-template-customers .imagefullright .col-sm-3{ position:absolute;left:66.66%;right:calc(-50% +
300px);padding:0;width:50%;text-align:left;left:64% }.page-template-customers .imagefullright img{ margin-top:-
55px }.page-template-customers .hero-section .col-sm-8{ position:relative;z-index:1 }.page-template-customers .hero-
section h1{ margin-bottom:30px;padding-bottom:0;line-height:70px } @media only screen and (max-
width:767px){ .page-template-customers .hero-section h1 br{ display:none } }.page-template-customers .hero-section
.cta-wrap{ padding-top:35px }.page-template-customers .hero-section--border{ border-bottom:1px solid
#e6e6e6 }.page-template-customers .hero-section p{ color:#4a4a4a;line-height:32px!important;max-
width:760px;letter-spacing:.2px;font-size:21px;width:700px }.page-template-customers
.section.hero_overview{ overflow-x:hidden;overflow:hidden;padding:120px 0 30px;text-align:left } @media only
screen and (min-width:768px){ .page-template-customers .section.hero_overview{ padding:120px 0 } }.page-
template-customers .testimonial-section{ padding-top:119px;padding-bottom:120px }.page-template-customers
.testimonial-section-block{ padding-right:21px;padding-left:21px;margin-right:auto;margin-left:auto }.page-
template-customers .cta-text-section{ padding-top:50px;padding-bottom:60px;background-color:#fafafa }.page-
template-customers .cta-text-gradient{ padding-top:50px;padding-bottom:60px;background-color:#fff;background-
image:linear-gradient(180deg,hsla(0,0%,100%,0),rgba(70,152,203,.08)) }.page-template-customers .cta-text-
white{ padding-top:50px;padding-bottom:60px }.page-template-customers .cta-text-block{ padding-
right:21px;padding-left:21px;margin-right:auto;margin-left:auto }.page-template-customers .cta-text-block
img{ width:150px }.page-template-customers .intro-title{ margin:auto }.page-template-customers .intro-title h2{ font-
weight:300;color:#8e9093;text-align:center;font-size:3.6rem;line-height:52px }.page-template-customers .intro-title
p{ margin-top:0;text-align:center }.page-template-customers .quote-customer-name{ font-size:16px!important;text-
align:center;line-height:2!important;color:#ff671b;text-transform:uppercase;padding:0;letter-spacing:2px;font-
weight:400 }.page-template-customers .quote-customer-desination{ font-size:16px!important;text-align:center;line-
height:2!important;color:#4a4a4a;padding:0;letter-spacing:.2px;font-weight:300 }.page-template-customers .bottom-
cta{ background-color:#fafafa;overflow:hidden;padding:50px 0 }.page-template-customers .bottom-cta

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.container{padding:90px 15px;position:relative}.page-template-customers .bottom-cta h2{margin-
bottom:30px}@media only screen and (max-width:767px){.page-template-customers .bottom-cta h2
br{display:none}}.page-template-customers .bottom-cta
.container:before{content:"";display:block;width:200%;height:50%;background-color:#fff;border-radius:500px 0 0
0;position:absolute;top:0;left:-10%}.page-template-customers .bottom-cta
.container:after{content:"";display:block;width:200%;height:50%;background-color:#fff;border-radius:0 0 0
500px;position:absolute;bottom:0;left:-10%}.page-template-customers .bottom-cta .container .text-
wrap{position:relative;z-index:1}.page-template-customers .learn-to-love p,.page-template-customers .section-text
p{font-weight:300;line-height:2;color:#4a4a4a;font-size:16px}.page-template-customers .learn-to-love p{font-
family:Roboto;font-style:normal;font-stretch:normal;letter-spacing:.2px;text-align:left;padding-top:7px;margin-
bottom:48px}.page-template-customers .cta-links-section{background:#fafafa;padding:80px 0}.page-template-
customers .cta-anchors{padding-right:60px;display:block;font-weight:300;line-height:32px}.page-template-
customers .transition-c3 p:nth-child(6){margin-bottom:0}.page-template-customers .section-text__left p,.page-
template-customers .section-text__right p{font-family:Roboto;font-size:16px;font-weight:300;font-
style:normal;font-stretch:normal;line-height:2;letter-spacing:.2px;text-align:left;color:#4a4a4a;padding-
bottom:10px;padding-top:8px}.page-template-customers .section-text__right h3,.page-template-customers .section-
text__right p,.page-template-customers .section-text__right ul{padding-left:110px}.page-template-customers
.section-text__left h3,.page-template-customers .section-text__left p{padding-right:110px}.page-template-customers
.section-text__left h3,.page-template-customers .section-text__right h3{width:90%;opacity:.99;font-
family:Roboto;font-size:24px;font-weight:700;font-style:normal;font-stretch:normal;line-height:1.6;letter-
spacing:.7px;text-align:left;color:#4a4a4a;padding-top:60px}.page-template-customers .section-text__right
a{padding-left:110px}.page-template-customers .section-img__left img{padding-top:150px}.page-template-
customers .section-img__left__No img{padding-top:125px}.page-template-customers .section-img__right
img{padding-top:110px}.page-template-customers .c3_specific_content p{padding-top:8px}.page-template-
customers .c3_specific_content{background-color:#fafafa;padding-top:90px;padding-bottom:35px}.page-template-
customers .image-text-section{background-color:#fff;background-image:linear-
gradient(180deg,hsla(0,0%,100%,0),rgba(70,152,203,.08));padding-top:120px;padding-bottom:89px}.page-
template-customers .image-text-section ul{margin-top:-20px;font-weight:300}.page-template-customers .image-text-
section .section-text__right ul{margin-left:35px}}@media screen and (max-width:767px){.page-template-
customers .image-text-section .section-text__right ul{padding-left:40px}}.page-template-customers .image-
animation-1,.page-template-customers .image-animation-2,.page-template-customers .image-animation-
3{position:relative;margin-top:25px}.page-template-customers .image-animation-1{display:block}.page-template-
customers .img-section-title{width:264px;font-family:Roboto;font-size:24px;font-weight:700;font-
style:normal;font-stretch:normal;line-height:1.58;letter-spacing:.7px;text-align:left;color:#4698cb;padding:0}.page-
template-customers .main_banner{padding:90px 0 100px}.page-template-customers .faq_intro p{max-
width:90%;color:#4a4a4a;font-size:18px}.page-template-customers .faq_content{max-width:90%!important}.page-
template-customers .certificate_faq_section p{max-width:none}.page-template-customers .image-animation-
1,.page-template-customers .image-animation-2{display:none}.page-template-customers .form_style{padding-
left:320px;padding-top:25px}.page-template-customers .form_style_media{padding-left:20px;padding-
top:25px}@media screen and (max-width:990px){.page-template-customers .form_style{padding-left:65px}.page-
template-customers .form_style_media{padding-left:0}}@media screen and (min-width:1450px){.page-template-
customers .imagefullright .col-sm-3 img{margin:-55px 0 0;max-width:750px}.page-template-customers .c3-
video_container a.play_btn{width:120px;height:120px;right:0;left:30%;top:45%}}@media screen and (max-
width:991px){.page-template-customers .c3-video_container
a.play_btn{width:90px;height:90px;top:40%;left:40%}}@media screen and (max-width:767px){.page-template-
customers .c3-video_container a.play_btn{width:80px;height:80px;top:50%;left:50%}.page-template-customers
.imagefullright .col-sm-3 img{display:block;margin:20px auto 0}.page-template-customers .imagefullright .col-sm-

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3 {position:relative!important;left:0!important;right:0!important;padding:15px!important;width:100%!important}.page-template-customers .section-text__left h3,.page-template-customers .section-text__left p {padding-right:10px!important}.page-template-customers .transition-c3 {padding-bottom:55px}} @media screen and (max-width:1199px) { .page-template-customers .paper_white-c3 {margin-left:0!important;margin-top:20px}.page-template-customers .download_blue-c3 {margin-bottom:10px}.page-template-customers .section-text__right a,.page-template-customers .section-text__right h3,.page-template-customers .section-text__right p,.page-template-customers .section-text__right ul {padding-left:10px}} @media screen and (max-width:767px) { .page-template-customers .section-img__left_No img,.page-template-customers .section-img__left img {padding-top:25px!important}.page-template-customers .section-text__right a,.page-template-customers .section-text__right h3,.page-template-customers .section-text__right p {padding-left:10px!important}.page-template-customers .section-img__right img {padding-top:20px!important}} @media screen and (max-width:480px) { .page-template-customers .download_blue-c3 h5,.page-template-customers .paper_white-c3 h5 {font-size:18px!important}}.page-template-customers .c3_specific_content .image-animation {margin-top:100px} @media only screen and (max-width:767px) { .page-template-customers .c3_specific_content .image-animation {margin-top:10px}.page-template-customers .animation_specfic_content {padding-bottom:25px}}.page-template-customers .bottom-cta p {margin-top:-80px}.page-template-customers .animation_specfic_content {padding-bottom:110px}.page-template-customers .desktop-only {display:none} @media screen and (min-width:800px) { .page-template-customers .desktop-only {display:block}}.page-template-customers .cc-featured-table-header h2 {font-size:38px!important;text-align:center;text-transform:capitalize!important}.page-template-customers #tab-2 .rounded_button {margin:30px auto!important}.page-template-customers #tab-2 h3 {font-size:28px!important;text-align:center;margin-bottom:50px}.page-template-customers #tab-2 .pricing-check-list {max-width:850px;margin:0 auto}.page-template-customers #tab-2 .pricing-check-list li {font-size:20px;width:100%;margin-bottom:20px} @media screen and (min-width:1000px) { .page-template-customers #tab-2 .pricing-check-list li {width:50%;padding-left:30px;text-align:left;margin-bottom:50px}}.page-template-customers #view-pricing .container {background:#fff;box-shadow:0 0 10px 3px rgba(0,0,0,.1)} @media screen and (max-width:768px) { .page-template-customers #view-pricing .container {width:100%}} @media screen and (min-width:1000px) { .page-template-customers #view-pricing .container {padding:0 50px}}.page-template-customers .pricing-table {position:relative} @media screen and (max-width:1000px) { .page-template-customers .pricing-table {padding-bottom:0}} @media screen and (min-width:750px) { .page-template-customers .pricing-table:after {background:#f2f3f6;content:"";height:250px;left:0;position:absolute;top:0;width:100%;z-index:-1}}.page-template-customers .pricing-table .rounded_button {background:#4597cb;border:2px solid #4597cb;color:#fff;display:block;font-size:14px;max-width:160px;min-width:160px;padding:10px;text-align:center;text-transform:uppercase;width:50%;transition:all .3s ease}.page-template-customers .pricing-table .rounded_button--outline,.page-template-customers .pricing-table .rounded_button:hover {background:#fff;border:2px solid #4597cb;color:#4597cb}.page-template-customers .pricing-table .rounded_button--outline:hover {background:#4597cb;color:#fff}.page-template-customers .pricing-table .pricing-ctas {margin:0 auto;width:auto;padding:60px 0 40px;display:block} @media screen and (min-width:800px) { .page-template-customers .pricing-table .pricing-ctas {display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:center;justify-content:center}}.page-template-customers .pricing-table .pricing-ctas .rounded_button {margin:10px auto!important} @media screen and (min-width:800px) { .page-template-customers .pricing-table .pricing-ctas .rounded_button {margin:10px!important}}.page-template-customers .pricing-table .pricing-ctas p {margin:30px 0;text-decoration:underline;text-align:center;width:100%}.page-template-customers .pricing-table .row {display:-ms-flexbox;display:flex;margin:0 0 6px}.page-template-customers .pricing-table .row-total h3 {position:relative}.page-template-customers .pricing-table .row-total h3:before {border-top:1px solid #979797;width:250px;position:absolute;content:"";height:1px;top:-16px;left:0}.page-template-customers .pricing-table ul.tabs {display:block;list-style:none;margin:0 auto;padding:0;position:relative;z-index:1} @media screen and (min-width:800px) { .page-template-customers .pricing-table ul.tabs {-ms-flex-align:center;align-items:center;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}}.page-template-

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customers .pricing-table ul.tabs:before{border-top:1px solid
#e6e6e6;content:"";position:absolute;top:50%;width:100%;height:1px;left:0;z-index:-1}.page-template-customers
.pricing-table ul.tabs li{border:1px solid #e6e6e6;background:#fff;display:block;font-size:14px;padding:20px
30px;text-align:center;min-width:310px;cursor:pointer}.page-template-customers .pricing-table ul.tabs li
span{display:block;font-size:16px}.page-template-customers .pricing-table .tab-link:first-child{border-radius:5px
5px 0 0;border-bottom:none}.page-template-customers .pricing-table .tab-link:nth-child(2){border-radius:0 0 5px
5px;border-top:none}@media screen and (min-width:800px){.page-template-customers .pricing-table .tab-link:first-
child{border-radius:5px 0 0 5px;border-bottom:1px solid #e6e6e6;border-color:#e6e6e6 currentcolor;border-
right:none}.page-template-customers .pricing-table .tab-link:first-child.current{border-color:#5781e9}.page-
template-customers .pricing-table .tab-link:nth-child(2){border-radius:0 5px 5px 0;border-color:currentcolor
#e6e6e6 #e6e6e6;border-top:1px solid #e6e6e6;border-left:none}.page-template-customers .pricing-table .tab-
link:nth-child(2).current{border-color:#5781e9}}.page-template-customers .pricing-table ul.tabs
li.current{border:1px solid #5781e9;background:#5781e9;color:#fff}.page-template-customers .pricing-table .tab-
content{display:none;padding:15px}.page-template-customers .pricing-table .tab-
content.current{display:inherit}.page-template-customers .pricing-table .pricing-check-list{margin-
bottom:30px;display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;padding:0;-ms-flex-
pack:center;justify-content:center}.page-template-customers .pricing-table .pricing-check-list
.icon.check{display:inline-block;margin-right:15px;height:15px;width:15px}.page-template-customers .pricing-
table .pricing-check-list ul{padding:0;text-align:center}.page-template-customers .pricing-table .pricing-check-list
li{display:block;list-style:none;text-align:center;width:100%}@media screen and (min-width:1000px){.page-
template-customers .pricing-table .pricing-check-list li{text-align:left;width:50%}}@media screen and (min-
width:1200px){.page-template-customers .pricing-table .pricing-check-list li{text-align:center;width:25%}}@media
screen and (max-width:850px){.page-template-customers .pricing-table .pricing-check-list li{margin-
bottom:8px}.page-template-customers .pricing-table .pricing-check-list li+li{margin-left:0}}.page-template-
customers .pricing-table .intro-title{margin:0 auto;padding:30px 0}.page-template-customers .pricing-table .intro-
title h2{color:#101040;margin-bottom:30px}.page-template-customers .pricing-table h3{color:#101040;font-
size:22px!important;font-weight:700}@media screen and (max-width:850px){.page-template-customers .pricing-
table h3{font-size:16px!important}}.page-template-customers .pricing-table h4{font-size:18px!important;font-
weight:700}@media screen and (max-width:850px){.page-template-customers .pricing-table h4{font-
size:14px!important}}.page-template-customers .pricing-table p{color:#101040;font-size:16px;line-
height:2}@media screen and (max-width:850px){.page-template-customers .pricing-table p{font-size:12px}}.page-
template-customers .pricing-table .col-sm-4{background:#fafafa;width:33%}.page-template-customers .pricing-
table .col-sm-4:first-child{background:#fff;border-bottom:1px solid #e6e6e6;-ms-flex-pack:start;justify-
content:flex-start}.page-template-customers .pricing-table .col-sm-4:first-child h3{font-size:18px!important}.page-
template-customers .pricing-table .col-sm-4 img{display:block;margin:0 auto;max-width:100px}.page-template-
customers .pricing-table .pricing-example-container{border:8px solid #fafafa;border-top:30px solid
#fafafa}@media screen and (min-width:1000px){.page-template-customers .pricing-table .pricing-example-
container{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}}.page-template-customers
.pricing-table .pricing-example-container .pricing-example{margin:0 auto;width:95%}.page-template-customers
.pricing-table .pricing-example-container .pricing-example:first-child{border-bottom:1px solid #979797}@media
screen and (min-width:1000px){.page-template-customers .pricing-table .pricing-example-container .pricing-
example{margin:0;width:50%}.page-template-customers .pricing-table .pricing-example-container .pricing-
example:first-child{border-bottom:none}}.page-template-customers .pricing-table .pricing-example-container
.pricing-example .cluster{-ms-flex-align:start;align-items:flex-start;-ms-flex-pack:start;justify-content:flex-
start;padding:14px 34px}@media screen and (min-width:1000px){.page-template-customers .pricing-table .pricing-
example-container .pricing-example .cluster{min-height:120px}}.page-template-customers .pricing-table .pricing-
example-container .pricing-example .cluster img{margin-top:12px}.page-template-customers .pricing-table .pricing-
example-container .pricing-example .cluster h3{font-size:18px!important}.page-template-customers .pricing-table

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.pricing-example-container .pricing-example .cluster h4{font-size:14px!important;padding:0}.page-template-
customers .pricing-table .pricing-example-container .pricing-example .cluster p{font-size:14px}.page-template-
customers .pricing-table .pricing-example-container .pricing-example .cluster p span{font-size:18px}.page-
template-customers .pricing-table .top-row{border-top:1px solid #e6e6e6}.page-template-customers .pricing-table
.flex-row{-ms-flex-pack:justify;justify-content:space-between}.page-template-customers .pricing-table .flex-row
.light{font-weight:400}.page-template-customers .pricing-table .flex-row div{width:50%}.page-template-customers
.pricing-table .flex-row div h3,.page-template-customers .pricing-table .flex-row div h4,.page-template-customers
.pricing-table .flex-row div p{margin:0;padding:0}.page-template-customers .pricing-table .flex-row div+div{text-
align:right}.page-template-customers .pricing-table .flex-row.grey-bg{background-color:#fafafa}.page-template-
customers .pricing-table .darkgrey-bg{background-color:#eeff4}.page-template-customers .pricing-table .border-
bottom{border-bottom:2px solid #e6e6e6}.page-template-customers .pricing-table .push-top{margin-
top:65px}.page-template-customers .pricing-table .cluster,.page-template-customers .pricing-table .options,.page-
template-customers .pricing-table .title{margin:0 0 6px;padding:27px 34px}.page-template-customers .pricing-
table .cluster:first-child,.page-template-customers .pricing-table .options:first-child,.page-template-customers
.pricing-table .title:first-child{margin-left:0}.page-template-customers .pricing-table .cluster{-ms-flex-
align:center;align-items:center;border-left:0;border-right:0;display:-ms-flexbox;display:flex;-ms-flex-
pack:center;justify-content:center}.page-template-customers .pricing-table .cluster img{margin:0 20px 0 0;max-
width:35px}.page-template-customers .pricing-table .cluster h3{padding:0}.page-template-customers .pricing-table
.cluster p{font-size:16px;margin:0}.page-template-customers .mobile-only,.page-template-customers .mobile-only
.row{display:block}.page-template-customers .mobile-only .top-row .title h3{text-align:center}.page-template-
customers .mobile-only .top-row .title img{display:block;margin:0 auto}.page-template-customers .mobile-only
.cluster{text-align:left;-ms-flex-pack:start;justify-content:flex-start;padding:14px 34px!important}@media screen
and (min-width:800px){.page-template-customers .mobile-only{display:none}}.page-template-customers .mobile-
only .aws,.page-template-customers .mobile-only .cloud{background:#fafafa;margin:0 auto 30px;max-
width:600px;padding:33px 25px}@media screen and (max-width:850px){.page-template-customers .mobile-only
.aws .toggle,.page-template-customers .mobile-only .cloud .toggle{font-size:12px}}.page-template-customers
.mobile-only .aws h3,.page-template-customers .mobile-only .cloud h3{font-size:18px;padding:0}.page-template-
customers .mobile-only .aws h4,.page-template-customers .mobile-only .cloud h4{padding:0;line-height:1}.page-
template-customers .mobile-only .aws h4,.page-template-customers .mobile-only .aws p,.page-template-customers
.mobile-only .cloud h4,.page-template-customers .mobile-only .cloud p{font-size:12px}.page-template-customers
.mobile-only .aws>img,.page-template-customers .mobile-only .cloud>img{display:block;margin:0 auto
30px}.page-template-customers .mobile-only .aws>img+.row p,.page-template-customers .mobile-only
.cloud>img+.row p{margin-bottom:0}.page-template-customers .mobile-only .col-sm-6{width:50%}.page-template-
customers .mobile-only .expand{border-top:2px solid #e6e6e6;display:none;margin-top:20px;padding-
top:20px}.page-template-customers .test-table{width:100%}@media screen and (max-width:1000px){.page-
template-customers .test-table{display:none}}.page-template-customers .test-table thead td:nth-child(2),.page-
template-customers .test-table thead td:nth-child(4){width:30%}.page-template-customers .test-table thead
td>div{border:2px solid rgba(142,144,147,.2);border-top-left-radius:25px;border-top-right-radius:25px;border-
bottom:0;padding:30px}.page-template-customers .test-table thead td:nth-child(3){width:25px}.page-template-
customers .test-table tbody td:nth-child(2)>div,.page-template-customers .test-table tbody td:nth-
child(4)>div{border:2px solid rgba(142,144,147,.2);border-bottom:0;border-top:0;padding:15px 30px}.page-
template-customers .test-table tbody td:first-child{padding:15px 30px}.page-template-customers .test-table tbody
td{vertical-align:top}.page-template-customers .test-table tbody td:nth-child(3){padding:0}.page-template-
customers .test-table tbody td p{margin:0;font-size:15px;font-weight:300}.page-template-customers .test-table
tbody tr:nth-child(odd){background:#fafafa}.page-template-customers .test-table tfoot td>div{border:2px solid
rgba(142,144,147,.2);border-bottom-left-radius:25px;border-bottom-right-radius:25px;border-
top:0;padding:30px}.page-template-customers .test-table--mobile{display:none;width:100%}@media screen and
(max-width:1000px){.page-template-customers .test-table--mobile{display:table}}.page-template-customers .test-

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table--mobile thead h4{ font-size:18px;font-weight:700;margin:0;padding:0 }.page-template-customers .test-table--mobile thead h4+p{ font-size:12px;font-weight:300;line-height:18px;margin-top:0;padding-top:0 }.page-template-customers .test-table--mobile tbody tr:nth-child(odd){ background:#fafafa }.page-template-customers .test-table--mobile tbody td{ padding:15px;vertical-align:top }.page-template-customers .test-table--mobile tbody p{ margin:0;font-size:16px;font-weight:300 }.page-template-customers .test-table--mobile tfoot td{ padding:30px 0 60px }.wp .style-module--mainBanner--2fR-k{ background-color:#b4e1e4 }.wp .page-template-about-rebrand .main_banner{ height:100vh;padding:0;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;-ms-flex-align:center;align-items:center;background:url(https://cdn.confluent.io/wp-content/uploads/about_bg_2019.jpg);background-size:cover;background-position:0 }.wp .page-template-about-rebrand .main_banner .container h1{ font-family:MarkOT;font-size:60px;font-weight:700;color:#fff }.wp .page-template-about-rebrand .main_banner .container p{ width:700px;max-width:90%;margin:0 auto;font-size:21px;font-family:MarkOT;line-height:1.69;color:#fff;font-weight:300 }.wp .page-template-about-rebrand .section.bg_light_grayish_blue{ background-color:#fff }.wp .page-template-about-rebrand .section.bg_light_grayish_blue .container h2{ font-family:MarkOT;font-size:14px;font-weight:500;text-transform:uppercase }.wp .page-template-about-rebrand .section.bg_light_grayish_blue .container h2:after{ content:"";height:2px;width:40px;background:#257bd7;display:block;margin:-10px auto;position:relative }.wp .page-template-about-rebrand .sub-text{ width:708px;text-align:center;max-width:90%;margin:60px auto }.wp .page-template-about-rebrand .sub-text-content{ font-family:MarkOT;font-size:48px;font-weight:500;line-height:1.15;color:#000 }.wp .page-template-about-rebrand .background-section-paragraphs{ width:826px;font-family:MarkOT;font-size:16px;font-weight:300;line-height:1.88;letter-spacing:normal;text-align:center;color:#101040;margin:auto;max-width:90% }.wp .page-template-about-rebrand #management{ background-color:#fafafa }.wp .page-template-about-rebrand .section.team_section h2{ font-family:MarkOT;font-size:48px;font-weight:500;letter-spacing:.7px;text-align:center;color:#000;padding-bottom:30px;padding-top:50px }.wp .page-template-about-rebrand .avatar_wrapper.team-toggle{ border:4px solid #fff;box-shadow:0 0 3px rgba(0,0,0,.2);display:inline-block;line-height:0;width:200px;height:200px }.wp .page-template-about-rebrand .br_990{ display:none }.wp .page-template-about-rebrand .bg_linear_blue{ background-image:linear-gradient(90deg,#247cd7,#31bfc2) }.wp .page-template-about-rebrand .circular_border_button_white{ border-radius:8px;border:2px solid #fff;background-color:#fff;font-family:MarkOT;font-size:14px;font-weight:500;color:#173361;letter-spacing:.5px;text-transform:uppercase }.wp .page-template-about-rebrand .section.bg_orange.bg_linear_blue h2{ font-family:MarkOT;font-size:40px;font-weight:700;line-height:1.13 }.wp .page-template-about-rebrand .name.team-toggle{ font-weight:700 }.wp .page-template-about-rebrand .team-member .social a{ border-radius:5px;width:22px;height:22px;font-size:13px }.wp .page-template-about-rebrand .social a .fa{ font-size:15px }.wp .page-template-about-rebrand .position.team-toggle{ font-size:18px;font-weight:300;font-style:normal;font-stretch:normal;line-height:1.78 }.wp .page-template-about-rebrand .col-xs-12.col-sm-6.office{ padding:0;min-height:500px;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;-ms-flex-align:center;align-items:center;background-position:bottom;width:calc(50% - 2px) }.wp .page-template-about-rebrand .col-xs-12.col-sm-6.office:first-of-type{ margin-right:2px }.wp .page-template-about-rebrand .col-xs-12.col-sm-6.office:last-of-type{ margin-left:2px }.wp .page-template-about-rebrand .office_address_container{ height:350px;width:376px;opacity:.8;border-radius:8px;background-color:#000;max-width:90%;letter-spacing:.29px;font-weight:100 }.wp .page-template-about-rebrand .office_name{ padding:75px 0 25px }.wp .page-template-about-rebrand .office_address,.wp .page-template-about-rebrand .office_phone{ font-size:20px }.wp .page-template-about-rebrand .section.team_section{ background-color:#fafafa;padding-bottom:130px }.wp .page-template-about-rebrand .section.bg_light_grayish_blue.investors_section h2{ font-family:MarkOT;font-size:48px;font-weight:700;text-transform:capitalize;letter-spacing:.7px;padding:0;margin:0 }.wp .page-template-about-rebrand .section.bg_light_grayish_blue.investors_section .container{ max-width:90% }.wp .page-template-about-rebrand .items.widthcol5.teams{ margin-bottom:0 }.wp .page-template-about-rebrand .section.bg_light_grayish_blue.investors_section h2:after{ display:none }.wp .page-template-about-rebrand .line-

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container{position:absolute;bottom:0;width:100%}.wp .page-template-about-rebrand .line-container
.line{height:2px;display:block;border:1px solid #d3d3d3;margin:auto;width:1140px;max-width:90%}.wp .page-
template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section{background-
image:none!important;background-color:#fff!important;padding-top:150px!important}.wp .page-template-about-
rebrand .bg_vary_dark_blue.additional_resources_section.section .container{width:1170px;max-
width:90%;padding:0}.wp .page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section
h2{font-size:48px;font-weight:700;letter-spacing:.7px;color:#000;margin-bottom:100px;padding-top:0}.wp .page-
template-about-rebrand .additional_resources_section .item{box-shadow:0 0 15px 0 rgba(0,0,0,.25);border-top:12px
solid #4698cb;transition:all .2s ease;padding:28px 25px 3px;border-bottom-left-radius:8px;border-bottom-right-
radius:8px}.wp .page-template-about-rebrand .additional_resources_section .item:hover{background-color:#fff;box-
shadow:2px 20px 20px 0 rgba(0,0,0,.25)}.wp .page-template-about-rebrand
.bg_vary_dark_blue.additional_resources_section.section .items_control{width:calc(33.33% - 75px);margin:0
37.5px;padding:20px 0;text-align:left}.wp .page-template-about-rebrand .additional_resources_section .item:hover
img.cta_icon{display:inline}.wp .page-template-about-rebrand .additional_resources_section .item:hover
img.cta_icon_hover{display:none}.wp .page-template-about-rebrand .additional_resources_section .item:hover
h3,.wp .page-template-about-rebrand .additional_resources_section .item:hover p{color:#4698cb}.wp .page-template-
about-rebrand .additional_resources_section .item h3{font-family:MarkOT;font-size:24px;font-weight:700;line-
height:1.58;letter-spacing:.7px;color:#4698cb}.wp .page-template-about-rebrand .additional_resources_section
.item:hover h3,.wp .page-template-about-rebrand .additional_resources_section .item:hover p{color:#000}.wp .page-
template-about-rebrand .section.section .items.teams li{display:-ms-flexbox;display:flex;-ms-flex-
pack:center;justify-content:center}.wp .page-template-about-rebrand .additional_resources_section .item p{margin-
bottom:50px}.wp .page-template-about-rebrand .cta_icon{margin-left:-10px!important;margin-bottom:23px}.wp
.page-template-about-rebrand .want_to_learn_p_mh{font-family:MarkOT;font-size:16px;font-weight:300;line-
height:1.63;letter-spacing:.2px;color:#4a4a4a}.wp .page-template-about-rebrand .additional_resources_section
.item:hover h3{color:#4698cb}.wp .page-template-about-rebrand
.bg_vary_dark_blue.additional_resources_section.section .col-xxs-12.col-xs-6.col-sm-6.col-md-
4.items_control{height:auto!important;padding:0}.wp .page-template-about-rebrand
.bg_vary_dark_blue.additional_resources_section.section .col-xxs-12.col-xs-6.col-sm-6.col-md-4.items_control
a{background-color:#f16f45;color:#fff;opacity:1;margin-bottom:30px}.wp .page-template-about-rebrand .top-level-
directors{display:-ms-flexbox;display:flex;width:100%}@media (min-width:990px){.wp .page-template-about-
rebrand .top-level-directors{-ms-flex-pack:center;justify-content:center}.wp .page-template-about-rebrand
.bg_vary_dark_blue.additional_resources_section.section .container .row,.wp .page-template-about-rebrand
.items.widthcol5.teams{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between}.wp
.page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section .items_control:first-of-
type{margin-left:0}.wp .page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section
.items_control:last-of-type{margin-right:0}}@media (max-width:768px){.wp .page-template-about-rebrand
h2{line-height:1.3}.wp .page-template-about-rebrand .section.bg_light_grayish_blue .container h2:after{margin:0
auto}.wp .page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section
.container{width:100%}.wp .page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section
.row{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;-ms-flex-align:center;align-
items:center;-ms-flex-direction:column;flex-direction:column;width:80%;margin:auto}.wp .page-template-about-
rebrand .items_control{width:100%;margin:0}.wp .page-template-about-rebrand
.bg_vary_dark_blue.additional_resources_section.section .items_control{width:100%;height:auto}.wp .page-
template-about-rebrand .additional_resources_section .item a{margin-bottom:30px}.wp .page-template-about-rebrand
.col-xs-12.col-sm-6.office{width:100%}.wp .page-template-about-rebrand .col-xs-12.col-sm-6.office:first-of-
type{margin-right:0}.wp .page-template-about-rebrand .col-xs-12.col-sm-6.office:last-of-type{margin-left:0}.wp
.page-template-about-rebrand .row.bod-list .col-xxs-12.col-xs-6.col-sm-6.col-md-4.team-member{width:50%}.wp
.page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section .items_control:not(:last-of-

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type){margin-bottom:30px}.wp .page-template-about-rebrand .section.bg_light_grayish_blue.investors_section
li{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;-ms-flex-align:center;align-
items:center}.wp .page-template-about-rebrand .section.bg_light_grayish_blue.investors_section li:nth-
child(odd){padding:20px 7px 20px 15px}.wp .page-template-about-rebrand
.section.bg_light_grayish_blue.investors_section li:nth-child(2n){padding:20px 15px 20px 7px}.wp .page-template-
about-rebrand .main_banner .container p{max-width:80%;margin:auto}.style-module--modalVisible--
2JxA1{overflow:hidden}.confluent-cloud-promo-disclaimer-module--wrapper--2AnZS{padding-
top:80px;width:800px;max-width:90%;margin:0 auto 50px;text-align:left}.confluent-cloud-promo-disclaimer-
module--wrapper--2AnZS h1{font-size:31px;font-weight:700;width:70%;text-align:center;margin:50px auto;line-
height:125%;text-transform:uppercase}@media screen and (min-width:768px){.confluent-cloud-promo-disclaimer-
module--wrapper--2AnZS h1{font-size:38px}}.confluent-cloud-promo-disclaimer-module--wrapper--2AnZS
p{font-weight:300;line-height:175%;font-size:18px}.covid-relief-module--offeringSection--34r6_{text-
align:center}.covid-relief-module--offeringSection--34r6_h2{width:900px;max-
width:95%;color:#173361;margin:auto auto 40px}.covid-relief-module--offeringSection--34r6_.covid-relief-
module--confluentOfferingSummary--31Iue{font-size:16px;margin-bottom:50px;color:#173361}.covid-relief-
module--offeringSection--34r6_p{width:800px;max-width:95%;margin:25px auto}@media screen and (min-
width:768px){.covid-relief-module--offeringSection--34r6_.covid-relief-module--confluentOfferingSections--
1wWnO{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between}}.covid-relief-
module--offeringSection--34r6_.covid-relief-module--confluentOfferingSections--1wWnO.covid-relief-module--
offeringCopy--2yt09{text-align:left}@media screen and (min-width:768px){.covid-relief-module--offeringSection--
34r6_.covid-relief-module--confluentOfferingSections--1wWnO.covid-relief-module--offeringCopy--2yt09{max-
width:48%;-ms-flex:1 1;flex:1 1}}.covid-relief-module--offeringButton--2pwMm{margin-top:50px}.covid-relief-
module--cardWrapper--DUVnd{border-radius:8px;border:2px solid
rgba(130,148,148,.25);padding:25px;width:800px;max-width:95%;margin:0 auto 10px}.covid-relief-module--
cardWrapper--DUVnd h4{color:#173361;font-weight:700}@media screen and (max-width:991px){.style-module--
hero--1FU4d .container{-ms-flex-direction:column-reverse;flex-direction:column-reverse;height:auto;min-
height:400px}}@media screen and (max-width:991px){.style-module--hero--1FU4d .container .style-module--
content--3wHkp{text-align:center}}@media screen and (min-width:992px){.style-module--hero--1FU4d .container
.style-module--content--3wHkp{width:100%}}.style-module--hero--1FU4d .container .style-module--
imageContainer--2XT8f img{border:15px solid #fff;border-radius:5px;max-width:380px}.style-module--card--
3Yp_S{margin:40px 0;background:#fff}.style-module--card--3Yp_S h3{font-size:18px;font-
weight:700;color:rgba(0,0,0,.85);margin:0 0 20px}.style-module--card--3Yp_S .container{display:-ms-
flexbox;display:flex;box-shadow:0 3px 31px 0 rgba(57,84,109,.14);padding:25px;width:100%}@media screen and
(max-width:991px){.style-module--card--3Yp_S .container{-ms-flex-direction:column;flex-
direction:column}}.style-module--card--3Yp_S .container.style-module--right--3X6O9{-ms-flex-direction:row-
reverse;flex-direction:row-reverse}@media screen and (max-width:991px){.style-module--card--3Yp_S
.container.style-module--right--3X6O9{-ms-flex-direction:column-reverse;flex-direction:column-reverse}}.style-
module--card--3Yp_S .style-module--description--1v6zY{font-size:14px;font-weight:300;line-
height:1.79;color:rgba(0,0,0,.85)}.style-module--card--3Yp_S .style-module--textContainer--38irh{margin:20px;-
ms-flex:2 1;flex:2 1;width:100%}.style-module--card--3Yp_S .style-module--textContainer--38irh
pre{overflow:scroll}.style-module--card--3Yp_S .style-module--imageContainer--2i_kX{-ms-flex:1 1;flex:1
1}.style-module--card--3Yp_S .style-module--left--RafmO .style-module--imageContainer--2i_kX{margin-
left:80px}.style-module--card--3Yp_S .style-module--right--3X6O9 .style-module--imageContainer--
2i_kX{margin-right:80px}.style-module--card--3Yp_S .style-module--left--RafmO .style-module--imageContainer-
2i_kX,.style-module--card--3Yp_S .style-module--right--3X6O9 .style-module--imageContainer--2i_kX{max-
width:465px;min-width:200px;text-align:center}@media screen and (max-width:991px){.style-module--card--
3Yp_S .style-module--left--RafmO .style-module--imageContainer--2i_kX,.style-module--card--3Yp_S .style-
module--right--3X6O9 .style-module--imageContainer--2i_kX{margin:0 auto}}.style-module--cardContainer--

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Tk1IJ {display:block}.style-module--cardContainer--Tk1IJ h2{margin-bottom:40px}.style-module--cardContainer--
Tk1IJ .style-module--description--1eWt{font-size:14px;font-weight:300;line-height:1.79;color:rgba(0,0,0,.85);text-
align:center;margin-bottom:100px}.style-module--group--2btFr .style-module--cards--3S_hd{box-shadow:0 3px
31px 0 rgba(57,84,109,.14);padding:25px;background:#fff}.style-module--group--2btFr .style-module--cards--
3S_hd>div{margin:0}.style-module--group--2btFr .style-module--cards--3S_hd>div>div{box-
shadow:none;padding:25px 0;border-bottom:1px solid rgba(0,0,0,1)}.style-module--group--2btFr .style-module--
cards--3S_hd>div:first-of-type>div{padding-top:0}.style-module--group--2btFr .style-module--cards--
3S_hd>div:last-of-type>div{padding-bottom:0;border-bottom:0}.style-module--faq--2lnMY
h2{color:#173361;font-size:28px;font-weight:500;margin-bottom:90px;text-align:center}@media screen and (max-
width:767px){.style-module--faq--2lnMY h2{font-size:21px}}.style-module--faq--2lnMY .style-module--list--
2VXxQ{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-
wrap:wrap;flex-wrap:wrap}.style-module--faq--2lnMY .style-module--list--2VXxQ>div{width:48%}@media
screen and (max-width:767px){.style-module--faq--2lnMY .style-module--list--2VXxQ>div{width:100%}}.style-
module--faq--2lnMY .style-module--list--2VXxQ .style-module--item--3p8Bv{margin-bottom:30px}.style-module-
faq--2lnMY .style-module--list--2VXxQ .style-module--item--3p8Bv h3{margin:0 0 20px;font-size:18px;font-
weight:700;color:rgba(0,0,0,.85)}.style-module--faq--2lnMY .style-module--list--2VXxQ .style-module--item--
3p8Bv p{text-align:justify;font-size:14px;font-weight:300;line-height:1.79;color:rgba(0,0,0,.85);margin:0}.style-
module--textCta--3ZsDH .style-module--title--2a9FF{margin-bottom:90px}.style-module--textCta--3ZsDH .style-
module--content--1zhSd{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;-ms-
flex-wrap:wrap;flex-wrap:wrap}.style-module--textCta--3ZsDH .style-module--content--
1zhSd>div{width:48%}@media screen and (max-width:767px){.style-module--textCta--3ZsDH .style-module--
content--1zhSd>div{width:100%;margin:30px 0}.style-module--textCta--3ZsDH .style-module--content--
1zhSd>div:first-child{margin-top:0}}.style-module--textCta--3ZsDH .style-module--content--1zhSd>div
h3{color:rgba(0,0,0,.85);font-size:28px;font-weight:300;margin:0 0 30px;line-height:1.2}.style-module--textCta--
3ZsDH .style-module--content--1zhSd>div .list-links{margin:0;padding:0;list-style:none;list-style-
position:inside;line-height:1.86}@media screen and (max-width:767px){.style-module--textCta--3ZsDH .style-
module--content--1zhSd>div .list-links{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-
flex-pack:justify;justify-content:space-between;width:100%}}@media screen and (max-width:767px){.style-
module--textCta--3ZsDH .style-module--content--1zhSd>div .list-links li{width:48%}}@media screen and (max-
width:575px){.style-module--textCta--3ZsDH .style-module--content--1zhSd>div .list-links li{width:100%}}.style-
module--textCta--3ZsDH .style-module--content--1zhSd>div .list-links
li:before{content:"\2022";color:#257bd7;font-weight:700;display:inline-block;width:1em;margin-right:5px;vertical-
align:middle}.style-module--textCta--3ZsDH .style-module--content--1zhSd>div .list-links li a{color:#257bd7;font-
size:14px}.style-module--textCta--3ZsDH .style-module--content--1zhSd>div .faq h3{color:rgba(0,0,0,.85);font-
size:18px;font-weight:700;margin:30px 0 20px}.style-module--textCta--3ZsDH .style-module--content--1zhSd>div
.faq p{color:rgba(0,0,0,.85);font-size:14px;font-weight:300;line-height:1.79}.style-module--html--hxxKt .cta-
container{text-align:center}.style-module--html--hxxKt .cta-container a{transition:all .5s ease-in-out;transition:all
.5s cubic-bezier(.785,.135,.15,.86);border-radius:6px;display:inline-block;font-size:12px;letter-spacing:.9px;line-
height:1.5;padding:12px 30px;text-align:center;text-decoration:none;text-transform:uppercase;background-
color:#38cccd;border:1px solid #38cccd;color:#fff;font-weight:700;max-width:300px;width:90%}.style-module--
html--hxxKt .cta-container a:hover{cursor:pointer;text-decoration:none}.style-module--layout--
1T_e6{background:#f3f4f7}.style-module--layout--1T_e6 .style-module--content--
3E83u>div{background:none}.style-module--layout--1T_e6 .style-module--content--3E83u>div>div{padding:90px
0}.style-module--layout--1T_e6 .style-module--content--3E83u>div:nth-child(2)>div{padding-top:0}.style-module-
-layout--1T_e6 .style-module--content--3E83u>div:nth-child(odd){background:#fff}.style-module--layout--1T_e6
.style-module--content--3E83u ol+p,.style-module--layout--1T_e6 .style-module--content--3E83u p+p,.style-
module--layout--1T_e6 .style-module--content--3E83u ul+p{margin-top:15px}.style-module--label--
1wBOP{position:relative}.style-module--checkbox--

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4RNxb{position:absolute;top:0;left:0;height:25px;width:25px;border:1.1px solid #e3e4e5;transition:all .2s ease-in-out;background:#fff;border-radius:4px }.style-module--checkbox--
4RNxb:after{ content:"";position:absolute;display:none;background-color:#173361;width:100%;height:100%;border-radius:4px }.style-module--input--mBEsz{ width:auto }.style-module--input--mBEsz:checked+.style-module--checkbox--4RNxb:after{ display:block }.style-module--popup--1HA66{ opacity:0;position:fixed;top:100%;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%);transition:all .25s ease-in-out;background:#fff;width:100%;z-index:9999;border-radius:8px;padding:25px;max-width:475px;max-height:80%;overflow-y:scroll }.style-module--popup--1HA66.style-module--active--3SoXb{ opacity:1;top:50%;-ms-transform:translate(-50%,-50%);transform:translate(-50%,-50%) }.style-module--popup--1HA66 label{ display:none }.style-module--popup--1HA66 form{ font-family:inherit!important;font-size:16px!important;width:100%!important;display:-ms-flexbox!important;display:flex!important;-ms-flex-direction:column;flex-direction:column }.style-module--popup--1HA66 form input[type=email],.style-module--popup--1HA66 form input[type=tel],.style-module--popup--1HA66 form input[type=text]{ background-color:#fff;border:2px solid rgba(130,148,148,.25);border-radius:4px;width:100%!important;margin-bottom:5px;color:#000;font-size:14px;font-weight:300;line-height:1.2;padding:10px;box-shadow:none }.style-module--popup--1HA66 form input[type=email]::-webkit-input-placeholder,.style-module--popup--1HA66 form input[type=tel]::-webkit-input-placeholder,.style-module--popup--1HA66 form input[type=text]::-webkit-input-placeholder{ color:#829494 }.style-module--popup--1HA66 form input[type=email]::-moz-placeholder,.style-module--popup--1HA66 form input[type=tel]::-moz-placeholder,.style-module--popup--1HA66 form input[type=text]::-moz-placeholder{ color:#829494 }.style-module--popup--1HA66 form input[type=email]::-ms-input-placeholder,.style-module--popup--1HA66 form input[type=tel]::-ms-input-placeholder,.style-module--popup--1HA66 form input[type=text]::-ms-input-placeholder{ color:#829494 }.style-module--popup--1HA66 form input[type=email]::placeholder,.style-module--popup--1HA66 form input[type=tel]::placeholder,.style-module--popup--1HA66 form input[type=text]::placeholder{ color:#829494 }.style-module--popup--1HA66 form input[type=checkbox]{ border:1px solid #173361;border-radius:2px;-webkit-appearance:none;-moz-appearance:none;appearance:none;height:14px;width:14px;outline:0 }.style-module--popup--1HA66 form input[type=checkbox]:checked{ background:#173361 }.style-module--popup--1HA66 form input[type=checkbox]+label{ color:#000;font-size:12px;font-weight:300;margin-bottom:15px;margin-left:25px }.style-module--popup--1HA66 form input[type=checkbox]+label:last-child{ margin-bottom:0 }.style-module--popup--1HA66 form .mktoLabel{ color:#000;font-size:12px;font-weight:300!important;margin:0;padding:0 }.style-module--popup--1HA66 form .mktoLabel a{ text-decoration:underline }.style-module--popup--1HA66 form select.mktoField{ outline:0;width:100%!important;padding:7px 10px!important;background:#fff;border:2px solid rgba(130,148,148,.25)!important;color:#829494;font-size:14px!important;font-weight:300;height:40px;-webkit-appearance:none;-moz-appearance:none;appearance:none;background-image:url(https://cdn.confluent.io/images/arrow-down-blue.png);background-position:calc(100% - 10px) 50%;background-repeat:no-repeat;box-shadow:none }.style-module--popup--1HA66 form .mktoFormCol{ min-height:unset!important;width:100% }.style-module--popup--1HA66 form .mktoAsterix,.style-module--popup--1HA66 form .mktoClear,.style-module--popup--1HA66 form .mktoError,.style-module--popup--1HA66 form .mktoGutter,.style-module--popup--1HA66 form .mktoOffset{ display:none!important }.style-module--popup--1HA66 form .mktoFieldWrap{ width:100% }.style-module--popup--1HA66 form .mktoFieldWrap>div{ padding:0;width:100%!important }.style-module--popup--1HA66 form .mktoFieldWrap .mktoCheckboxList{ padding:20px 0 }.style-module--popup--1HA66 form .mktoFieldWrap .mktoHtmlText{ color:#829494;font-size:10px;font-weight:300;line-height:2 }.style-module--popup--1HA66 form .mktoFieldWrap .mktoHtmlText br{ display:none }.style-module--popup--1HA66 form .mktoFieldWrap .mktoInvalid{ border:2px solid #d8365d!important }.style-module--popup--1HA66 form .mktoFieldWrap .mktoInvalid.mktoCheckboxList{ border:1px solid #d8365d }.style-module--popup--1HA66 form

```

.mktoButtonRow{margin:20px 0;width:100%;text-align:center}.style-module--popup--1HA66 form .mktoButtonRow .mktoButtonWrap{margin:0!important}.style-module--popup--1HA66 form .mktoButtonRow .mktoButtonWrap .mktoButton,.style-module--popup--1HA66 form .mktoButtonRow .mktoButtonWrap.mktoSimple .mktoButton{transition:all .5s ease-in-out;transition:all .5s cubic-bezier(.785,.135,.15,.86);border-radius:6px;display:inline-block;font-size:12px;font-weight:700;letter-spacing:.9px;line-height:1.5;padding:12px 30px;text-align:center;text-decoration:none;text-transform:uppercase;background-color:#173361;border:1px solid #173361;color:#fff;background-image:none;box-shadow:none}.style-module--popup--1HA66 form .mktoButtonRow .mktoButtonWrap .mktoButton: hover,.style-module--popup--1HA66 form .mktoButtonRow .mktoButtonWrap.mktoSimple .mktoButton: hover{cursor:pointer;text-decoration:none;background:#0074a2;border-color:#0074a2}.style-module--popup--1HA66 .style-module--title--3jrsZ,.style-module--popup--1HA66 h4{color:#173361;font-size:18px;font-weight:700;text-align:center;margin:0 0 25px}.style-module--popup--1HA66 .style-module--title--3jrsZ br,.style-module--popup--1HA66 h4 br{display:none}.style-module--popup--1HA66 .style-module--thankyou--3gN4F{color:#173361;font-size:28px;font-weight:700;text-align:center}#mktoForm_4261 .mktoFormRow:first-of-type{-ms-flex-order:1;order:1}.style-module--formWrapper--3Qo2L{width:800px;margin:auto;max-width:95%}.style-module--formWrapper--3Qo2L .style-module--wrapper--1-KWg{display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column}.style-module--formWrapper--3Qo2L .style-module--wrapper--1-KWg .style-module--checkBoxSpan--Wfipq{width:22px;height:22px}.style-module--formWrapper--3Qo2L .style-module--inputFieldWrapper--3MFi-.style-module--formWrapper--3Qo2L button div{text-align:center}.style-module--formWrapper--3Qo2L .style-module--inputFieldWrapper--3MFi-{padding:10px;background-color:rgba(130,148,148,.25);border-radius:4px}.style-module--formWrapper--3Qo2L .style-module--label--3wd4p{padding-left:10px}.style-module--formWrapper--3Qo2L .style-module--thankYou--3K4Q8{text-align:center}.style-module--confirmation--3GwEz{margin:100px 0 150px}.style-module--confirmation--3GwEz h4{margin-bottom:10px}.style-module--confirmation--3GwEz img{width:40px;margin-bottom:10px}.style-module--confirmation--3GwEz p{color:#0074a2;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}.style-module--agreeTellMore--1XsxA{position:relative}.style-module--agreeTellMore--1XsxA .style-module--errorMessage--zEZeL{position:absolute;top:0;background:#fbebef;width:100%;z-index:1;border:1px solid #d8365d;padding:20px;text-align:center;border-radius:4px;font-size:13px;color:#d8365d;opacity:0;visibility:hidden;transition:all .3s ease-in-out}.style-module--agreeTellMore--1XsxA .style-module--errorMessage--zEZeL:first-of-type{font-weight:700;font-size:15px}.style-module--agreeTellMore--1XsxA .style-module--errorMessage--zEZeL.style-module--show--1arAG{opacity:1;visibility:visible}.style-module--us--6zV9S .style-module--tos--31nfQ{display:none}.style-module--tos--1ShSb{font-size:11px;font-weight:300;color:#829494;margin-top:25px;line-height:21px}.style-module--tosUS--30ljb,.style-module--us--2VtUI .style-module--tos--1ShSb{display:none}.style-module--us--2VtUI .style-module--tosUS--30ljb{display:block}.style-module--confirmation--KDDmz{margin:100px 0 150px}.style-module--confirmation--KDDmz h4{margin-bottom:10px}.style-module--confirmation--KDDmz img{width:40px;margin-bottom:10px}.style-module--confirmation--KDDmz>p{color:#0074a2;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;margin-top:25px}.style-module--confirmation--KDDmz>p a{text-decoration:underline}.style-module--cardContainer--3lwMG{margin-top:50px}.style-module--cardContainer--3lwMG .style-module--card--LeUB9{background:#e6f5fb;padding:25px 10px}.style-module--cardContainer--3lwMG .style-module--card--LeUB9 h3{font-size:14px;font-weight:700}.style-module--us--3qmiT .style-module--tos--GbbpQ{display:none}.style-module--tos--2V0no{font-size:11px;font-weight:300;color:#829494;margin-top:25px;line-height:21px}.style-module--tosUS--PyizL,.style-module--us--2bsmN .style-module--tos--2V0no{display:none}.style-module--us--2bsmN .style-module--tosUS--PyizL{display:block}.style-module--tos--3mMRP{font-size:11px;font-weight:300;color:#829494;margin-top:25px;line-height:21px}.compare-module--heroSection--jsMPY{padding-bottom:220px}.compare-module--heroSection--jsMPY .compare-module--content--3J24J{width:auto!important}.compare-module--heroSection--jsMPY .compare-module--content--3J24J

p{color:#173361;font-size:24px;margin-top:15px!important}.compare-module--heroSection--jsMPY .compare-module--content--3J24J p a{color:#38cccd}.compare-module--heroSection--jsMPY .compare-module--content--3J24J p+p{font-size:14px;margin-top:30px!important}.compare-module--contentSection--Idew_{padding-top:0;padding-bottom:0}.compare-module--contentSection--Idew_>div{position:relative;top:-290px}@media screen and (max-width:767px){.compare-module--contentSection--Idew_>div{top:-240px}}.compare-module--customList--330aP{margin:0;padding:0;list-style:none}.compare-module--customList--330aP li{display:inline-block}.compare-module--customList--330aP li+li{margin-left:15px}.compare-module--card--1U3nw{display:-ms-flexbox;display:flex;box-shadow:0 30px 60px -30px rgba(0,0,0,.06),0 50px 100px -20px rgba(69,107,122,.24);border-radius:4px;max-width:900px;margin:0 auto}@media screen and (max-width:767px){.compare-module--card--1U3nw{-ms-flex-direction:column;flex-direction:column}}.compare-module--card--1U3nw+.compare-module--card--1U3nw{margin-top:60px}.compare-module--card--1U3nw.compare-module--hide--rBHxL{display:none}.compare-module--leftColumn--1lpXq{background:#fff;width:60%;padding:50px 75px}@media screen and (max-width:767px){.compare-module--leftColumn--1lpXq{padding:35px;width:100%}}.compare-module--leftColumn--1lpXq h2{color:#173361;font-size:40px;font-weight:500;margin:0 0 10px}@media screen and (max-width:767px){.compare-module--leftColumn--1lpXq h2{font-size:24px}}.compare-module--leftColumn--1lpXq a{color:#38cccd}.compare-module--rightColumn--1YbBG{background:#f5f5f5;-ms-flex:1 1;flex:1 1;padding:50px}@media screen and (max-width:767px){.compare-module--rightColumn--1YbBG{padding:35px}}.compare-module--rightColumn--1YbBG h3{color:#173361;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;font-weight:700}.compare-module--rightColumn--1YbBG .compare-module--cloudProvider--O3phl{border-bottom:2px solid rgba(130,148,148,.25);margin-bottom:85px;padding-bottom:35px}.compare-module--rightColumn--1YbBG .compare-module--cloudProvider--O3phl h3{margin:0}.compare-module--rightColumn--1YbBG .compare-module--cloudProvider--O3phl .compare-module--customList--330aP{display:-ms-flexbox;display:flex;margin:25px 0 10px}.compare-module--rightColumn--1YbBG .compare-module--feature--1SBsN{padding:0}.compare-module--rightColumn--1YbBG .compare-module--feature--1SBsN h3{font-size:15px;line-height:21px}.compare-module--rightColumn--1YbBG .compare-module--feature--1SBsN+.compare-module--feature--1SBsN{margin-top:40px}.compare-module--rightColumn--1YbBG .compare-module--featureBlurb--36n_N{margin-top:5px}.compare-module--rightColumn--1YbBG .compare-module--featureBlurb--36n_N p{color:#0074a2;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;font-size:14px;line-height:21px;margin:0}.compare-module--form--3C4lg{margin-top:25px}.compare-module--form--3C4lg h4{color:#173361;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;font-weight:700;margin:0 0 25px}.compare-module--form--3C4lg .compare-module--title--16y3G:before{content:"";background:#38cccd;width:30px;display:block;height:4px;border-radius:20px;margin-bottom:10px}.compare-module--form--3C4lg button{width:100%}.compare-module--form--3C4lg .compare-module--formConfluentCloud--3p_Qj>*,.compare-module--form--3C4lg .compare-module--formConfluentPlatform--1GPOM>*,.compare-module--form--3C4lg .compare-module--formConfluentPlatformCommunity--3voiH>*{margin-bottom:10px}.compare-module--form--3C4lg .compare-module--formConfluentCloud--3p_Qj>:last-child,.compare-module--form--3C4lg .compare-module--formConfluentPlatform--1GPOM>:last-child,.compare-module--form--3C4lg .compare-module--formConfluentPlatformCommunity--3voiH>:last-child{margin-bottom:0}.compare-module--footer--3Qjxv{margin-top:10px}.compare-module--footer--3Qjxv .compare-module--existingAccount--2h1CU{text-align:center;font-size:13px;font-weight:500;color:#504f6c}.compare-module--footer--3Qjxv .compare-module--additionalInformation--1uuzb{margin:35px 0 0;display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap}.compare-module--footer--3Qjxv .compare-module--additionalInformation--1uuzb p{color:#173361;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;font-weight:700;margin-right:15px;width:200px}.compare-module--footer--3Qjxv .compare-module--additionalInformation--1uuzb ul{width:150px}.compare-module--blurb--1ZA6n{color:#504f6c;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}.compare-module--cpCommunity--2GCVu .compare-module--leftColumn--

1lpXq{ width:100% }.style-module--switch--13P_i{ position:relative;display:inline-block;width:60px;height:34px;margin-right:15px!important;margin-top:30px!important;margin-bottom:30px!important;min-width:60px }.style-module--switchInput--2NPF7{ opacity:0;width:0;height:0 }.style-module--slider--3eAa2{ position:absolute;cursor:pointer;top:0;left:0;right:0;bottom:0;background-color:rgba(142,144,147,.15);transition:.4s }.style-module--slider--3eAa2:before{ position:absolute;content:"";height:26px;width:26px;left:4px;bottom:4px;background-color:#fff;box-shadow:1px 1px 3px 0 rgba(0,0,0,.25);transition:.4s }input:checked+.style-module--slider--3eAa2:before{ background-color:#4698cb;-ms-transform:translateX(26px);transform:translateX(26px) }.style-module--round--Gt-XR{ border-radius:34px }.style-module--slider--3eAa2.style-module--round--Gt-XR:before{ border-radius:50% }.style-module--toggleWrapper--u8bXz{ display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center }.style-module--error--AAShr{ border:1px solid #8c0005 }.wp .email-preferences-page .container{ padding-left:21px;padding-right:25px }.wp .email-preferences-page .section__preference-center-header .title{ font-family:MarkOT;font-size:36px;font-weight:700;font-style:normal;font-stretch:normal;line-height:1.45;letter-spacing:normal;text-align:left;color:#003b49;padding-top:8px;padding-bottom:36px }.wp .email-preferences-page .section__preference-center-header .sub_title{ font-family:MarkOT;font-size:16px!important;font-weight:400;font-style:normal;font-stretch:normal;line-height:2!important;letter-spacing:2px;text-align:left;color:#173361;padding-top:89px }.wp .email-preferences-page .section_preference_center form.mktoForm select.mktoField{ background-color:#fff!important }.wp .email-preferences-page .section_preference_center .mktoForm .mktoFormRow{ display:inline-block;width:40.6%;clear:inherit;background:#fff;margin-bottom:50px!important }.wp .email-preferences-page .mktoForm .mktoLabel{ padding-top:0!important }.wp .email-preferences-page form.mktoForm .mktoFormRow{ background-color:#fff }.wp .email-preferences-page form.mktoForm .mktoRequiredField label.mktoLabel,.wp .email-preferences-page form.mktoForm label.mktoLabel{ font-family:MarkOT;font-size:12px;font-weight:400;font-style:normal;font-stretch:normal;line-height:2.67;letter-spacing:2px;text-align:left;color:#4a4a4a;text-transform:uppercase }.wp .email-preferences-page form.mktoForm input.mktoField,.wp .email-preferences-page form.mktoForm select.mktoField,.wp .email-preferences-page form.mktoForm textarea.mktoField{ height:48px;font-family:MarkOT;font-size:16px;font-weight:300;font-style:normal;font-stretch:normal;line-height:2!important;letter-spacing:.2px;text-align:left;color:#4a4a4a;padding:8px 12px!important;border:1px solid #a7a7a8!important;background-color:#fff;border-radius:2px }.wp .email-preferences-page form.mktoForm .mktoRequiredField label.mktoLabel[for=Email]:after{ left:125px }.wp .email-preferences-page form.mktoForm .mktoRequiredField label.mktoLabel[for=Country]:after{ left:185px }.wp .email-preferences-page form.mktoForm .mktoRequiredField label.mktoLabel:after{ content:"*";font-size:12px;color:#173361;position:absolute;left:95px }.wp .email-preferences-page hr{ height:5px;background-color:#000;opacity:.06;margin-top:75px;margin-right:28px }.wp .email-preferences-page .subscription_sub_title,.wp .email-preferences-page .subscription_title{ color:#4a4a4a;font-family:MarkOT;font-style:normal;font-stretch:normal;text-align:left }.wp .email-preferences-page .subscription_title{ font-size:24px;font-weight:700;line-height:1.58;letter-spacing:.7px;padding-top:0 }.wp .email-preferences-page .subscription_sub_title{ height:92px;font-size:16px;font-weight:300;line-height:2;letter-spacing:.2px }.wp .email-preferences-page .marketo_video_title{ font-family:MarkOT;font-size:36px;font-weight:700;font-style:normal;font-stretch:normal;line-height:1.45;letter-spacing:normal;text-align:left;color:#003b49;padding-bottom:90px;text-align:center;padding-top:15px }.wp .email-preferences-page .mktoForm div .marketo_video_container{ padding-top:85px }.wp .email-preferences-page .video_container{ position:relative;background-repeat:no-repeat;background-size:contain;background-position:50%;margin:auto;border-radius:15px }.wp .email-preferences-page .gdpr-video{ display:block;margin-bottom:90px!important;margin-left:96px!important;margin-right:auto!important;border:0;height:auto;outline:0;width:83.5% }.wp .email-preferences-page .gdpr-video a.play_btn{ background-image:url(https://cdn.confluent.io/wp-content/themes/confluent/assets/images/video-button-585.png)!important;background-size:contain!important;position:absolute;content:"play";display:block;width:68px;height:82px;text-align:left;text-

indent:-9999px;background-repeat:no-repeat;top:70%;left:46%;margin-top:-41px;margin-left:-34px}.wp .email-preferences-page #subscriptionBlogs,.wp .email-preferences-page #subscriptionEducational,.wp .email-preferences-page #subscriptionEvents,.wp .email-preferences-page #subscriptionNewsletter,.wp .email-preferences-page #subscriptionProductUpdates,.wp .email-preferences-page #Unsubscribed,.wp .email-preferences-page form.mktoForm input#subscriptionWebinars{height:0}.wp .email-preferences-page .section_preference_center form.mktoForm .mktoButtonWrap.mktoRound .mktoButton{width:168px;height:48px;border-radius:100px;background-color:#4698cb;transition:all .3s ease;float:left;margin-bottom:120px}.wp .email-preferences-page .UnsubscribedReason--hide{display:none!important}.wp .email-preferences-page form.mktoForm .mktoFormRow .mktoFormCol:first-child:nth-last-child(3){width:15%;float:left}.wp .email-preferences-page form.mktoForm .mktoFormRow .mktoFormCol:first-child:nth-last-child(3)+.mktoFormCol{width:58%}.wp .email-preferences-page form.mktoForm .mktoFormRow .mktoFormCol:first-child:nth-last-child(3)+.mktoFormCol strong{display:block;margin-top:6px;position:relative}.wp .email-preferences-page [for=Unsubscribed]:after,.wp .email-preferences-page [for=UnsubscribedReason]:after{content:"";display:none!important}.wp .email-preferences-page .switch{position:relative;display:inline-block;width:50px;height:28px;margin-left:0!important}.wp .email-preferences-page .mktoForm input[type=checkbox]+label:before,.wp .email-preferences-page .switch input{display:none}.wp .email-preferences-page .slider{position:absolute;cursor:pointer;top:0;left:0;right:0;bottom:0;background-color:rgba(142,144,147,.15);transition:.4s}.wp .email-preferences-page .slider:before{position:absolute;content:"";height:28px;width:28px;background-color:#fff;transition:.4s;box-shadow:1px 1px 3px 0 rgba(0,0,0,.25)}.wp .email-preferences-page input:focus+.slider{box-shadow:0 0 1px #2196f3}.wp .email-preferences-page input:checked+.slider:before{background-color:#4698cb;-ms-transform:translateX(26px);transform:translateX(26px)}.wp .email-preferences-page .slider.round{border-radius:34px}.wp .email-preferences-page .slider.round:before{border-radius:50%}.wp .email-preferences-page .update_message{float:left;margin-top:100px!important;margin-bottom:120px!important;margin-left:25px!important;font-family:MarkOT;font-size:12px;font-weight:300;font-style:normal;font-stretch:normal;line-height:1.67;letter-spacing:.2px;text-align:left;color:#8e9093}@media only screen and (max-width:760px) and (min-width:479px){.wp .email-preferences-page form.mktoForm .mktoHtmlText{margin-left:25px}}@media only screen and (max-width:400px){.wp .email-preferences-page form.mktoForm .mktoFieldWrap{width:350px!important}.wp .email-preferences-page hr{height:1px!important;padding:1px!important}.wp .email-preferences-page .gdpr-video a.play_btn{top:88%;width:30px}.wp .email-preferences-page .mktoForm div .marketo_video_container{padding-top:20px}}@media only screen and (max-width:697px){.wp .email-preferences-page .section_preference_center .mktoForm .mktoFormRow{width:100%}}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFieldDescriptor{float:none;width:100%}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow{display:block;float:none;width:100%}.wp .email-preferences-page .section_preference_center #mktoForm_2386 input{height:auto!important;opacity:1!important}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFieldWrap{width:100%!important}.wp .email-preferences-page .section_preference_center #mktoForm_2386 div.mktoLogicalField{width:auto!important}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFieldWrap label,.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(5) .mktoHtmlText{width:100%!important}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(7){margin-top:86px;padding-top:86px;border-top:5px solid #dce0e4}@media only screen and (min-width:768px){.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(7){display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(7) .mktoFieldDescriptor{width:50%}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(7) .mktoFormCol:nth-child(2){display:none}}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(7) .mktoFieldDescriptor

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.mktoFieldWrap{display:-ms-flexbox;display:flex;-ms-flex-direction:row-reverse;flex-direction:row-reverse}.wp
.email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(7)
.mktoFieldDescriptor .mktoFieldWrap label{display:block;margin-bottom:40px;position:relative;top:-2px}.wp
.email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-
n+13){display:-ms-flexbox;display:flex;-ms-flex-pack:start;justify-content:flex-start}@media only screen and (min-
width:768px){.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-
child(n+8):nth-child(-n+13){float:left;width:50%}}.wp .email-preferences-page .section_preference_center
#mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-n+13) .mktoFormCol b{padding:0!important}.wp
.email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-
n+13) .mktoFormCol b span{color:#4a4a4a;font-size:24px!important;font-weight:700;line-height:1.58;letter-
spacing:.7px;padding-top:0}.wp .email-preferences-page .section_preference_center #mktoForm_2386
.mktoFormRow:nth-child(n+8):nth-child(-n+13) .mktoFormCol b+span{color:#4a4a4a;display:block;font-
size:16px!important;font-weight:300;line-height:30px;margin-bottom:40px}.wp .email-preferences-page
.section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-n+13)
.mktoFieldDescriptor{position:relative;padding-right:24px;width:auto}.wp .email-preferences-page
.section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-n+13)
.mktoFormCol{width:auto!important}.wp .email-preferences-page .section_preference_center #mktoForm_2386
.mktoFormRow:nth-child(14){clear:both}.wp .email-preferences-page .section_preference_center #mktoForm_2386
.mktoFormRow:nth-child(15){display:-ms-flexbox;display:flex;margin-top:40px}.wp .email-preferences-page
.section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) h1{color:grey!important;font-
size:16px!important;font-weight:400!important;letter-spacing:2px!important;text-transform:uppercase}.wp .email-
preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15)
.mktoFieldDescriptor{position:relative;width:auto!important}.wp .email-preferences-page
.section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap
label{width:auto!important}.wp .email-preferences-page .section_preference_center #mktoForm_2386
.mktoFormRow:nth-child(15) .mktoFieldWrap>label,.wp .email-preferences-page .section_preference_center
#mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap label .slider.round{display:none!important}.wp
.email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15)
.mktoFieldWrap label input{display:block!important;margin:0!important}.wp .email-preferences-page
.section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15)
.mktoFormCol{width:auto!important}.wp .email-preferences-page .section_preference_center #mktoForm_2386
.mktoFormRow:nth-child(15) .mktoFieldWrap .mktoHtmlText{width:100%!important}.wp .email-preferences-page
.section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap
h1{padding:0!important;width:100%!important}.wp .email-preferences-page .section_preference_center
#mktoForm_2386 .mktoFormRow:nth-child(16) label:after{left:175px}.wp .email-preferences-page
.section_preference_center #mktoForm_2386 .mktoButtonWrap.mktoRound .mktoButton{margin:60px 0
100px;width:auto!important}.wp .email-preferences-page .input-field-wrapper{display:-ms-flexbox;display:flex;-
ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between}.wp .email-preferences-
page .line-dot-right{margin-top:75px;max-width:100%;margin-bottom:20px}.wp .email-preferences-page .line-dot-
right:before{content:"";display:block;width:calc(100% - 10px);height:1px;border:2.5px solid
#dce0e4;position:absolute;left:0;border-radius:5px}.wp .email-preferences-page .preferences-toggle-
wrapper{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-
content:space-between;margin-top:100px}.wp .email-preferences-page .preferences-toggle{width:45%;-ms-flex-
align:start;align-items:flex-start;margin-bottom:40px}.wp .email-preferences-page
.subscription_sub_title{height:auto}.wp .email-preferences-page .mktoForm
button.mktoButton{width:168px;height:48px;border-radius:100px;background-color:#4698cb;transition:all .3s
ease;float:left;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;-ms-flex-
align:center;align-items:center;color:#fff;border:none;margin-bottom:40px}.wp .email-preferences-page

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.small{font-size:18px}.wp .email-preferences-page .reason-wrapper{width:456px;max-width:90%;margin-bottom:50px}.wp .email-preferences-page .mktoForm .mktoAsterix{display:block;color:#bf0000;font-size:13px}.wp .email-preferences-page .mktoForm label{font-family:MarkOT;font-size:12px;font-weight:400;font-style:normal;font-stretch:normal;line-height:2.67;letter-spacing:2px;text-align:left;color:#4a4a4a;text-transform:uppercase}.wp .email-preferences-page .preferences-thank-you{font-size:18px;letter-spacing:.2px;color:#8e9093}@media (max-width:768px){.wp .email-preferences-page .preferences-toggle{width:100%}}.wp .email-preferences-page .unsubscribe-reason-wrapper{margin-bottom:20px}.wp .email-preferences-page .unsubscribe-reason-wrapper .mktoField{float:none;font-size:inherit;line-height:inherit}.wp .email-preferences-page .unsubscribe-reason-wrapper .mktoField>div{padding:6px 15px;height:48px;max-width:none;border-width:1px;border-color:#a7a7a8;border-radius:0;font-size:16px;color:#4a4a4a}.wp .email-preferences-page .unsubscribe-reason-wrapper .mktoField>div>div:last-child{max-width:none;top:47px;border-width:1px;border-color:#a7a7a8;border-radius:0;font-size:16px;color:#4a4a4a;width:calc(100% + 2px);left:-1px}.wp .email-preferences-page .unsubscribe-reason-wrapper .mktoField>div .icon{margin-right:15px}.wp .page-template-unsubscribe {margin-bottom:50px}.wp .page-template-unsubscribe .section__preference-center-header .title{color:#343941}.wp .page-template-unsubscribe .mktoButton{width:168px;height:48px;border-radius:100px;background-color:#4698cb;transition:all .3s ease;margin-bottom:120px;color:#fff;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;border:none}.wp .page-template-unsubscribe .container{padding-left:21px;padding-right:25px}.wp .page-template-unsubscribe .section__preference-center-header .title{font-family:MarkOT;font-size:36px;font-weight:700;font-style:normal;font-stretch:normal;line-height:1.45;letter-spacing:normal;text-align:left;color:#003b49;padding-top:8px;padding-bottom:36px}.wp .page-template-unsubscribe .section__preference-center-header .sub_title{font-family:MarkOT;font-size:16px;font-weight:400;font-style:normal;font-stretch:normal;line-height:2;font-weight:400;font-style:normal;font-stretch:normal;letter-spacing:2px;text-align:left;color:#173361;padding-top:89px}.wp .page-template-unsubscribe .section__preference_center .mktoForm .mktoFormRow{display:inline-block;width:40.6%;clear:inherit;background:#fff}.wp .page-template-unsubscribe .mktoForm .mktoLabel{padding-top:0;font-weight:400}.wp .page-template-unsubscribe form.mktoForm .mktoFormRow{background-color:#fff}.wp .page-template-unsubscribe form.mktoForm .mktoRequiredField label.mktoLabel,.wp .page-template-unsubscribe form.mktoForm label.mktoLabel{font-family:MarkOT;font-size:12px;font-weight:400;font-style:normal;font-stretch:normal;line-height:2.67;letter-spacing:2px;text-align:left;color:#4a4a4a;text-transform:uppercase}.wp .page-template-unsubscribe form.mktoForm input.mktoField,.wp .page-template-unsubscribe form.mktoForm select.mktoField,.wp .page-template-unsubscribe form.mktoForm textarea.mktoField{height:48px;font-family:MarkOT;font-size:16px;font-weight:300;font-style:normal;font-stretch:normal;line-height:2;font-weight:400;font-style:normal;font-stretch:normal;letter-spacing:2px;text-align:left;color:#4a4a4a;padding:8px 12px;font-weight:400;font-style:normal;font-stretch:normal;letter-spacing:2px;text-align:left;color:#4a4a4a;border:1px solid #a7a7a8;font-weight:400;font-style:normal;font-stretch:normal;letter-spacing:2px;text-align:left;color:#4a4a4a;background-color:#fff;border-radius:2px}.wp .page-template-unsubscribe form.mktoForm .mktoRequiredField label.mktoLabel[for=Email]:after{left:125px}.wp .page-template-unsubscribe form.mktoForm .mktoRequiredField label.mktoLabel[for=Country]:after{left:185px}.wp .page-template-unsubscribe form.mktoForm .mktoRequiredField label.mktoLabel:after{content:"*";font-size:12px;color:#173361;position:absolute;left:95px}.wp .page-template-unsubscribe hr{height:5px;background-color:#000;opacity:.06;margin-top:75px;margin-right:28px}.wp .page-template-unsubscribe .subscription_sub_title,.wp .page-template-unsubscribe .subscription_title{color:#4a4a4a;font-family:MarkOT;font-style:normal;font-stretch:normal;text-align:left}.wp .page-template-unsubscribe .subscription_title{font-size:24px;font-weight:700;line-height:1.58;letter-spacing:.7px;padding-top:0;margin-top:40px}.wp .page-template-unsubscribe .subscription_title .asterix{color:#bf0000;font-size:13px;vertical-align:top}.wp .page-template-unsubscribe .subscription_sub_title{height:92px;font-size:16px;font-weight:300;line-height:2;letter-spacing:.2px}.wp .page-template-unsubscribe .marketo_video_title{font-family:MarkOT;font-size:36px;font-weight:700;font-style:normal;font-stretch:normal;line-height:1.45;letter-spacing:normal;text-align:left;color:#003b49;padding-bottom:90px;text-align:center;padding-top:15px}.wp .page-template-unsubscribe

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.mktoForm div .marketo_video_container{padding-top:85px}.wp .page-template-unsubscribe
.video_container{position:relative;background-repeat:no-repeat;background-size:contain;background-
position:50%;margin:auto;border-radius:15px}.wp .page-template-unsubscribe .gdpr-video{display:block;margin-
bottom:90px!important;margin-left:96px!important;margin-
right:auto!important;border:0;height:auto;outline:0;width:83.5%}.wp .page-template-unsubscribe .gdpr-video
a.play_btn{background-image:url(//www.confluent.io/wp-content/themes/confluent/assets/images/video-button-
585.png)!important;background-
size:contain!important;position:absolute;content:"play";display:block;width:68px;height:82px;text-align:left;text-
indent:-9999px;background-repeat:no-repeat;top:70%;left:46%;margin-top:-41px;margin-left:-34px}.wp .page-
template-unsubscribe #subscriptionBlogs,.wp .page-template-unsubscribe #subscriptionEducational,.wp .page-
template-unsubscribe #subscriptionEvents,.wp .page-template-unsubscribe #subscriptionNewsletter,.wp .page-
template-unsubscribe #subscriptionProductUpdates,.wp .page-template-unsubscribe #Unsubscribed,.wp .page-
template-unsubscribe form.mktoForm input#subscriptionWebinars{height:0}.wp .page-template-unsubscribe
.section_preference_center form.mktoForm .mktoButtonWrap.mktoRound
.mktoButton{width:168px;height:48px;border-radius:100px;background-color:#4698cb;transition:all .3s
ease;float:left;margin-bottom:120px}.wp .page-template-unsubscribe .UnsubscribedReason--
hide{display:none!important}.wp .page-template-unsubscribe form.mktoForm .mktoFormRow .mktoFormCol:first-
child:nth-last-child(3){width:15%;float:left}.wp .page-template-unsubscribe form.mktoForm .mktoFormRow
.mktoFormCol:first-child:nth-last-child(3)+.mktoFormCol{width:58%}.wp .page-template-unsubscribe
form.mktoForm .mktoFormRow .mktoFormCol:first-child:nth-last-child(3)+.mktoFormCol
strong{display:block;margin-top:6px;position:relative}.wp .page-template-unsubscribe
[for=Unsubscribed]:after,.wp .page-template-unsubscribe
[for=UnsubscribedReason]:after{content:"";display:none!important}.wp .page-template-unsubscribe
.switch{position:relative;display:inline-block;width:50px;height:28px;margin-left:0!important}.wp .page-template-
unsubscribe .mktoForm input[type=checkbox]+label:before,.wp .page-template-unsubscribe .switch
input{display:none}.wp .page-template-unsubscribe
.slider{position:absolute;cursor:pointer;top:0;left:0;right:0;bottom:0;background-
color:rgba(142,144,147,.15);transition:.4s}.wp .page-template-unsubscribe
.slider:before{position:absolute;content:"";height:28px;width:28px;background-color:#fff;transition:.4s;box-
shadow:1px 1px 3px 0 rgba(0,0,0,.25)}.wp .page-template-unsubscribe input:focus+.slider{box-shadow:0 0 1px
#2196f3}.wp .page-template-unsubscribe input:checked+.slider:before{background-color:#4698cb;-ms-
transform:translateX(26px);transform:translateX(26px)}.wp .page-template-unsubscribe .slider.round{border-
radius:34px}.wp .page-template-unsubscribe .slider.round:before{border-radius:50%}.wp .page-template-
unsubscribe .update_message{float:left;margin-top:100px!important;margin-bottom:120px!important;margin-
left:25px!important;font-family:MarkOT;font-size:12px;font-weight:300;font-style:normal;font-stretch:normal;line-
height:1.67;letter-spacing:.2px;text-align:left;color:#8e9093}@media only screen and (max-width:760px) and (min-
width:479px){.wp .page-template-unsubscribe form.mktoForm .mktoHtmlText{margin-left:25px}}@media only
screen and (max-width:400px){.wp .page-template-unsubscribe form.mktoForm
.mktoFieldWrap{width:350px!important}.wp .page-template-unsubscribe
hr{height:1px!important;padding:1px!important}.wp .page-template-unsubscribe .gdpr-video
a.play_btn{top:88%;width:30px}.wp .page-template-unsubscribe .mktoForm div
.marketo_video_container{padding-top:20px}}@media only screen and (max-width:697px){.wp .page-template-
unsubscribe .section_preference_center .mktoForm .mktoFormRow{width:100%}}.wp .page-template-unsubscribe
.section_preference_center #mktoForm_2386 .mktoFieldDescriptor{float:none;width:100%}.wp .page-template-
unsubscribe .section_preference_center #mktoForm_2386
.mktoFormRow{display:block;float:none;width:100%}.wp .page-template-unsubscribe .section_preference_center
#mktoForm_2386 input{height:auto!important;opacity:1!important}.wp .page-template-unsubscribe
.section_preference_center #mktoForm_2386 .mktoFieldWrap{width:100%!important}.wp .page-template-

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unsubscribe .section_preference_center #mktoForm_2386 div.mktoLogicalField{ width:auto!important }.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFieldWrap label,.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(5) .mktoHtmlText{ width:100%!important }.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(7){ margin-top:86px;padding-top:86px;border-top:5px solid #dce0e4 } @media only screen and (min-width:768px){ .wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(7){ display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between }.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(7) .mktoFieldDescriptor{ width:50% }.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(7) .mktoFormCol:nth-child(2){ display:none }.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(7) .mktoFieldDescriptor .mktoFieldWrap{ display:-ms-flexbox;display:flex;-ms-flex-direction:row-reverse;flex-direction:row-reverse }.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(7) .mktoFieldDescriptor .mktoFieldWrap label{ display:block;margin-bottom:40px;position:relative;top:-2px }.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-n+13){ display:-ms-flexbox;display:flex;-ms-flex-pack:start;justify-content:flex-start } @media only screen and (min-width:768px){ .wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-n+13){ float:left;width:50% }.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-n+13) .mktoFormCol b{ padding:0!important }.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-n+13) .mktoFormCol b span{ color:#4a4a4a;font-size:24px!important;font-weight:700;line-height:1.58;letter-spacing:.7px;padding-top:0 }.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-n+13) .mktoFormCol b+span{ color:#4a4a4a;display:block;font-size:16px!important;font-weight:300;line-height:30px;margin-bottom:40px }.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-n+13) .mktoFieldDescriptor{ position:relative;padding-right:24px;width:auto }.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-n+13) .mktoFormCol{ width:auto!important }.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(14){ clear:both }.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15){ display:-ms-flexbox;display:flex;margin-top:40px }.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) h1{ color:grey!important;font-size:16px!important;font-weight:400!important;letter-spacing:2px!important;text-transform:uppercase }.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldDescriptor{ position:relative;width:auto!important }.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap label{ width:auto!important }.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap>label,.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap label .slider.round{ display:none!important }.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap label input{ display:block!important;margin:0!important }.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFormCol{ width:auto!important }.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap .mktoHtmlText{ width:100%!important }.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap h1{ padding:0!important;width:100%!important }.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(16) label:after{ left:175px }.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoButtonWrap.mktoRound .mktoButton{ margin:60px 0

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100px;width:auto!important}.wp .page-template-unsubscribe .unsubscribe-title.small{font-size:14px;font-weight:700}.wp .page-template-unsubscribe #UnsubscribedReason{height:48px;font-size:16px;font-weight:300;line-height:2!important;letter-spacing:.2px;text-align:left;color:#4a4a4a;padding:8px 12px!important;border:1px solid #a7a7a8!important;background-color:#fff;border-radius:2px;margin-bottom:30px}.wp .page-template-unsubscribe .mktoForm .mktoAsterix{display:block}.wp .page-template-unsubscribe .unsubscribe-reason-wrapper{margin-bottom:20px}.wp .page-template-unsubscribe .unsubscribe-reason-wrapper .mktoField{float:none;font-size:inherit;line-height:inherit}.wp .page-template-unsubscribe .unsubscribe-reason-wrapper .mktoField>div{padding:6px 15px;height:48px;max-width:none;border-width:1px;border-color:#a7a7a8;border-radius:0;font-size:16px;color:#4a4a4a}.wp .page-template-unsubscribe .unsubscribe-reason-wrapper .mktoField>div>div:last-child{max-width:none;top:47px;border-width:1px;border-color:#a7a7a8;border-radius:0;font-size:16px;color:#4a4a4a;width:calc(100% + 2px);left:-1px}.wp .page-template-unsubscribe .unsubscribe-reason-wrapper .mktoField>div .icon{margin-right:15px}.wp .get-subscription-template .header-two{font-size:24px;font-weight:400;margin-bottom:100px;line-height:32px;padding-bottom:0}.wp .get-subscription-template #ThankYouRedirect{display:none}.wp .get-subscription-template .image{height:90px}.wp .get-subscription-template .content{height:120px}.wp .get-subscription-template .item{min-height:340px}.wp .get-subscription-template #mktoForm_1051 .mktoButtonRow button{border:none}.style-module--item--3bS8-{min-height:340px;display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:center;justify-content:center}.style-module--button--1YC3d{-ms-flex-item-align:start;align-self:flex-start}@font-face{font-family:IsidoraSans-Medium;src:url(https://cdn.confluent.io/fonts/IsidoraSans/IsidoraSans-Medium.woff) format("woff");font-style:normal}@font-face{font-family:IsidoraSans-MediumIt;src:url(https://cdn.confluent.io/fonts/IsidoraSans/IsidoraSans-MediumIt.woff) format("woff");font-style:normal}@font-face{font-family:IsidoraSans-Regular;src:url(https://cdn.confluent.io/fonts/IsidoraSans/IsidoraSans-Regular.woff) format("woff");font-style:normal}@font-face{font-family:IsidoraSans-SemiBold;src:url(https://cdn.confluent.io/fonts/IsidoraSans/IsidoraSans-SemiBold.woff) format("woff");font-style:normal}.wp .page-livestream .video-container{margin-top:60px}.wp .page-livestream .cnfl a{font-size:12px;color:#257bd7;transition:all .3s ease-in-out;text-decoration:none!important}.wp .page-livestream .cnfl a:hover{opacity:.6}.wp .page-livestream .title-arrow{width:20px;height:20px;display:inline-block;position:absolute;top:0;left:120px;top:24px}.wp .page-livestream .title-arrow:after,.wp .page-livestream .title-arrow:before{content:"";position:absolute;background-color:#8e9093;width:15px;height:1px;transition:all .4s cubic-bezier(1,.07,.28,1.04)}.wp .page-livestream .title-arrow:before{-ms-transform:rotate(45deg);transform:rotate(45deg)}.wp .page-livestream .title-arrow:after{-ms-transform:rotate(-45deg);transform:rotate(-45deg);left:11px}.wp .page-livestream .expanded .title-arrow:before{-ms-transform:rotate(135deg);transform:rotate(135deg)}.wp .page-livestream .expanded .title-arrow:after{-ms-transform:rotate(-135deg);transform:rotate(-135deg)}.wp .page-livestream .error,.wp .page-livestream .error+.checkmark{border-color:#df2d58!important}.wp .page-livestream .br-4{border-radius:4px}.wp .page-livestream .fz-12{font-size:12px}.wp .page-livestream .light-black{color:rgba(0,0,0,.7)}.wp .page-livestream .bg-white{background-color:#fff}.wp .page-livestream .uppercase{text-transform:uppercase}.wp .page-livestream .rebrand-cloud-color{color:#9678ff}.wp .page-livestream .rebrand-platform-color{color:#5d80eb}.wp .page-livestream .cnfl-input::-webkit-input-placeholder{text-transform:uppercase}.wp .page-livestream .cnfl-input::-webkit-input-placeholder,.wp .page-livestream .cnfl-input::placeholder{text-transform:uppercase}.wp .page-livestream .cnfl-input:-moz-placeholder,.wp .page-livestream .cnfl-input:-ms-input-placeholder,.wp .page-livestream .cnfl-input::-moz-placeholder{text-transform:uppercase}.wp .page-livestream input:valid,.wp .page-livestream input:valid+.checkmark{border-color:#eceff2!important}.wp .page-livestream .cnfl-input{-webkit-appearance:none;letter-spacing:1px;border:1.1px solid #eceff2;padding:10px 0 10px 25px;margin-bottom:5px;font-size:12px;border-radius:4px;background:#fff;width:100%}.wp .page-livestream .cnfl-input-wrapper{width:100%;display:inline-block}.wp .page-livestream .cnfl-input-wrapper.cnfl-width-50{width:calc(50% - 5px)}.wp .page-livestream .cnfl-input-wrapper label{display:none}.wp .page-livestream div.cnfl-select{text-
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transform:uppercase;text-align:left;color:rgba(0,0,0,.7);position:relative;padding:0;border-bottom:0;border-bottom-left-radius:0;border-bottom-right-radius:0}.wp .page-livestream div.cnfl-select>div{padding:0 10px}.wp .page-livestream div.cnfl-select .options-container{position:absolute;left:-1px;right:-2px;z-index:9;background:#fff;border-right:1.1px solid #e3e3e3;border-left:1.1px solid #e3e3e3;border-bottom:1.1px solid #e3e3e3;top:44px;transition:max-height .5s ease-in-out;overflow:hidden;max-height:0;border-bottom-left-radius:4px;border-bottom-right-radius:4px;border-top-left-radius:0;border-top-right-radius:0}.wp .page-livestream div.cnfl-select.error .options-container{border-right-color:#df2d58;border-left-color:#df2d58;border-bottom-color:#df2d58}.wp .page-livestream div.cnfl-select.expanded .options-container{max-height:220px}.wp .page-livestream div.cnfl-select>div:first-child{padding:10px 0 10px 25px;cursor:pointer}.wp .page-livestream div.cnfl-select .title-arrow{right:20px;left:auto}.wp .page-livestream div.cnfl-select .option{margin-bottom:10px;padding:10px 10px 20px;background:#edf0f5;position:relative}.wp .page-livestream div.cnfl-select .divider{position:absolute;top:-20px;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%);border:3px solid #fff;width:30px;height:30px;text-align:center;border-radius:50%;background:#f7f9fc;font-weight:700;text-transform:uppercase}.wp .page-livestream div.cnfl-select .option ul{display:-ms-flexbox;display:flex;margin:0;list-style:none;padding:0}.wp .page-livestream div.cnfl-select .option li{background:#fff;-ms-flex:1 1;flex:1 1;text-align:center;border:1px solid #e3e4e5;border-radius:4px;font-size:12px;text-transform:uppercase;font-weight:300;letter-spacing:1px;color:#000;margin:0 10px 0 0;padding:10px 0;cursor:pointer}.wp .page-livestream div.cnfl-select .option li:hover{background-color:rgba(37,123,215,.5);color:#fff;font-weight:500}.wp .page-livestream div.cnfl-select .option li.selected{background-color:#257bd7;color:#fff;font-weight:500}.wp .page-livestream div.cnfl-select .option li:last-child{margin-right:0}.wp .page-livestream div.cnfl-select h6{font-size:12px;text-align:center;margin:10px 0;color:#000;font-weight:500}.wp .page-livestream .checkbox-container{display:block;position:relative;padding-left:35px;margin-bottom:12px;cursor:pointer;-webkit-user-select:none;-moz-user-select:none;-ms-user-select:none;user-select:none;text-align:left}.wp .page-livestream .embed-form-checkbox{cursor:pointer;line-height:1.5}.wp .page-livestream .checkbox-container input{position:absolute;opacity:0;cursor:pointer;height:0;width:0}.wp .page-livestream .checkmark{position:absolute;top:0;left:0;height:25px;width:25px;border:1.1px solid #e3e4e5;transition:all .2s ease-in-out}.wp .page-livestream .checkmark:after{content:"";position:absolute;display:none}.wp .page-livestream .checkbox-container input:checked~.checkmark:after{display:block}.wp .page-livestream .checkbox-container .checkmark:after{left:9px;top:5px;width:5px;height:10px;border-color:#ff6620;border-style:solid;border-width:0 2px 2px 0;-ms-transform:rotate(45deg);transform:rotate(45deg)}.wp .page-livestream .cnfl-button{border:none;border-radius:4px;background-color:#ff6620;color:#fff;padding:10px 20px;font-size:13px;transition:all .3s ease-in-out;display:inline-block;letter-spacing:1px;text-transform:uppercase}.wp .page-livestream .cnfl-button span{color:#fff}.wp .page-livestream .cnfl-button:hover{-ms-transform:scale(1.03);transform:scale(1.03);opacity:.6}.wp .page-livestream .cnfl-button-secondary-outline{border-radius:4px;background-color:#fff;border:1px solid #00004b;color:#00004b;padding:10px 20px;font-size:14px;font-weight:500}.wp .page-livestream .cnfl-link-item{color:#257bd7}.wp .page-livestream .title-container{text-align:center}.wp .page-livestream .title-with-line{padding-bottom:0;font-size:50px;font-weight:300;position:relative;padding-top:25px}.wp .page-livestream .title-with-line:before{content:"";width:40px;height:.1px;border-style:solid;border-width:2px;border-image-source:linear-gradient(270deg,#80c0ec,#257bd7);border-image-slice:1;background-image:linear-gradient(270deg,#80c0ec,#257bd7);position:absolute;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%);margin-bottom:24px;top:0}.wp .page-livestream .rebrand-h3{font-size:28px;font-weight:300;color:#000;padding:0}.wp .page-livestream .rebrand-h5{font-size:18px;font-weight:700;padding:0}.wp .page-livestream .rebrand-h6{font-size:16px;font-weight:500;color:#2a2a2d}.wp .page-livestream .cnfl .gs-tooltip .tooltip-icon{display:inline-block;position:relative;vertical-align:top}.wp .page-livestream .cnfl .gs-tooltip .tooltip-icon span{border-radius:20px;border:1px solid #8e9093;color:#8e9093;font-family:MarkOT;font-size:12px;padding:0 6px}.wp .page-livestream .cnfl .tooltip-hidden{background:#fff;border:1px solid #eee;box-

shadow:0 0 15px 0 rgba(70,152,203,.15);visibility:hidden;position:absolute;top:0;left:-20px;margin:30px 5px 5px;padding:10px;width:300px;z-index:2}.wp .page-livestream .cnfl .gs-tooltip .tooltip-icon:hover .tooltip-hidden{visibility:visible}.wp .page-livestream .cnfl .gs-tooltip .tooltip-hidden:before{content:"";display:block;position:absolute;top:-8px;left:14px;width:0;height:0;border-left:10px solid transparent;border-right:10px solid transparent;border-bottom:10px solid #fff}.wp .page-livestream .cnfl .gs-tooltip{position:relative}.wp .page-livestream .cnfl .tooltiptext{font-size:12px}.wp .page-livestream .cnfl .gs-tooltip .tooltip-icon span{font-size:10px;padding:0 4px}.wp .page-livestream .cnfl .gs-tooltip .tooltip-hidden .tooltiptext{margin-bottom:0}@media screen and (max-width:768px){.wp .page-livestream .title-with-line{line-height:1}}@media screen and (min-width:992px){.wp .page-livestream .cnfl-last-row{margin-bottom:0}}@media screen and (min-width:768px) and (max-width:992px){.wp .page-livestream div.cnfl-select .options-container{overflow-y:scroll}.wp .page-livestream .cnfl-input.cnfl-select span{font-size:10px}}@media screen and (max-width:992px){.wp .page-livestream .cnfl .gs-tooltip .tooltip-hidden.tooltip-push-left{left:-224px}.wp .page-livestream .cnfl .gs-tooltip .tooltip-hidden.tooltip-push-left:before{left:212px}}.wp .oem-program,.wp .verified-program{margin-top:40px}.wp .oem-program li,.wp .oem-program p,.wp .verified-program li,.wp .verified-program p{color:#505050;font-size:16px;line-height:1.63;font-weight:400}.wp .oem-program ul,.wp .verified-program ul{padding:0 0 0 20px;margin:0 0 20px}.wp .oem-program img,.wp .verified-program img{margin:0}.wp .oem-program .content,.wp .verified-program .content{padding:40px 0}.wp .oem-program .content.bb,.wp .verified-program .content.bb{border-bottom:1px solid #c2c2c2}.wp .oem-program h1,.wp .verified-program h1{color:#fff;font-size:37px;padding:0}.wp .oem-program h2,.wp .verified-program h2{color:#fff;font-size:20px;line-height:1.3;padding:0;margin:20px 0 40px}.wp .oem-program h3,.wp .verified-program h3{color:#454545;font-size:36px;font-weight:400;padding:0;margin:0 0 30px}.wp .oem-program h4,.wp .verified-program h4{color:#505050;font-size:18px;font-weight:700;padding:0;margin:20px 0;line-height:1.2}.wp .oem-program .mb-20,.wp .verified-program .mb-20{margin-bottom:20px}.wp .oem-program #mktoForm_3911 .mktoButton,.wp .oem-program #mktoForm_4028 .mktoButton,.wp .oem-program .button,.wp .verified-program #mktoForm_3911 .mktoButton,.wp .verified-program #mktoForm_4028 .mktoButton,.wp .verified-program .button{display:inline-block;padding:15px 30px;border-radius:8px;text-transform:uppercase;font-size:15px;letter-spacing:1px;font-weight:700;background:#173361;color:#fff;border:2px solid #173361}.wp .oem-program .button:hover,.wp .verified-program .button:hover{background:#fff;color:#173361;border-color:#173361}.wp .oem-program .img-wrapper:not(.non-icon),.wp .verified-program .img-wrapper:not(.non-icon){height:95px}.wp .oem-program .img-wrapper img,.wp .verified-program .img-wrapper img{margin:0;width:auto;height:100%;position:relative;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%)}.wp .oem-program .img-wrapper .infographic,.wp .verified-program .img-wrapper .infographic{background-position:50%;background-repeat:no-repeat}.wp .oem-program .img-wrapper .infographic1,.wp .verified-program .img-wrapper .infographic1{background-image:url(https://cdn.confluent.io/wp-content/themes/confluent/assets/images/verified-integration-program/infographic1.png);height:318px;background-size:contain}.wp .oem-program .img-wrapper .infographic2,.wp .verified-program .img-wrapper .infographic2{background-image:url(https://cdn.confluent.io/wp-content/themes/confluent/assets/images/verified-integration-program/infographic2.png);height:466px;background-size:contain}@media (-webkit-min-device-pixel-ratio:2),(min-resolution:192dpi){.wp .oem-program .img-wrapper .infographic1,.wp .verified-program .img-wrapper .infographic1{background-image:url(https://cdn.confluent.io/wp-content/themes/confluent/assets/images/verified-integration-program/infographic1_2x.png)}.wp .oem-program .img-wrapper .infographic2,.wp .verified-program .img-wrapper .infographic2{background-image:url(https://cdn.confluent.io/wp-content/themes/confluent/assets/images/verified-integration-program/infographic2_2x.png)}}.wp .oem-program .content-info .row,.wp .verified-program .content-info .row{display:-ms-flexbox;display:flex;-ms-flex-direction:row;flex-direction:row}.wp .oem-program .content-info .content-reverse .row,.wp .verified-program .content-info .content-reverse .row{-ms-flex-direction:row-reverse;flex-direction:row-reverse}.wp .oem-program #mktoForm_3911,.wp .oem-program #mktoForm_4028,.wp .verified-program #mktoForm_3911,.wp .verified-program #mktoForm_4028{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap}.wp .oem-

program #mktoForm_3911 .mktoFormRow,.wp .oem-program #mktoForm_4028 .mktoFormRow,.wp .verified-program #mktoForm_3911 .mktoFormRow,.wp .verified-program #mktoForm_4028 .mktoFormRow{-ms-flex:1 0 48%;flex:1 0 48%;margin-bottom:20px;margin-right:2%;background:none}.wp .oem-program #mktoForm_3911 .mktoButtonRow,.wp .oem-program #mktoForm_4028 .mktoButtonRow,.wp .verified-program #mktoForm_3911 .mktoButtonRow,.wp .verified-program #mktoForm_4028 .mktoButtonRow{position:absolute;bottom:0;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%)}.wp .oem-program .connector>div:first-child,.wp .verified-program .connector>div:first-child{height:230px}.wp .oem-program .verified-connectors a,.wp .verified-program .verified-connectors a{display:inline-block;margin:0 20px 20px 0;max-width:150px}.wp .oem-program .verified-connectors .img-wrapper,.wp .verified-program .verified-connectors .img-wrapper{text-align:center}.wp .oem-program .connector-benefit .blurb h4,.wp .verified-program .connector-benefit .blurb h4{height:45px}.wp .oem-program .connector-benefit .blurb p,.wp .verified-program .connector-benefit .blurb p{height:130px}@media (min-width:768px) and (max-width:1199px){.wp .oem-program .connector-benefit .blurb p,.wp .verified-program .connector-benefit .blurb p{height:85px}}@media (max-width:767px){.wp .oem-program .blurb h4,.wp .oem-program .blurb p,.wp .verified-program .blurb h4,.wp .verified-program .blurb p{height:auto!important}.wp .oem-program .blurb p,.wp .verified-program .blurb p{margin-bottom:40px!important}.wp .oem-program .connector-benefit img,.wp .oem-program .verification-process img,.wp .verified-program .connector-benefit img,.wp .verified-program .verification-process img{position:relative;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%)}.wp .oem-program .blurb,.wp .verified-program .blurb{text-align:center}.wp .oem-program .connector>div:first-child,.wp .verified-program .connector>div:first-child{height:auto;margin-bottom:40px}}@media (max-width:991px){.wp .oem-program #mktoForm_3911 .mktoFormRow,.wp .oem-program #mktoForm_4028 .mktoFormRow,.wp .verified-program #mktoForm_3911 .mktoFormRow,.wp .verified-program #mktoForm_4028 .mktoFormRow{-ms-flex-preferred-size:100%;flex-basis:100%}.wp .oem-program #mktoForm_3911 .mktoButtonRow,.wp .oem-program #mktoForm_4028 .mktoButtonRow,.wp .verified-program #mktoForm_3911 .mktoButtonRow,.wp .verified-program #mktoForm_4028 .mktoButtonRow{bottom:75px}.wp .oem-program .button-wrapper,.wp .verified-program .button-wrapper{text-align:center;margin-bottom:20px}.wp .oem-program .content,.wp .verified-program .content{padding:0 0 20px}.wp .oem-program .content-info .row,.wp .verified-program .content-info .row{-ms-flex-direction:column-reverse;flex-direction:column-reverse;-ms-flex-pack:center;justify-content:center}.wp .oem-program .content-info.content-reverse .row,.wp .verified-program .content-info.content-reverse .row{-ms-flex-direction:column;flex-direction:column}.wp .oem-program .content.bb,.wp .oem-program .img-wrapper.non-icon,.wp .verified-program .content.bb,.wp .verified-program .img-wrapper.non-icon{margin-bottom:40px}}.wp .oem-program #sign-up{margin-bottom:40px}@media (max-width:991px){.wp .oem-program .content{padding:0 0 20px}}.wp .verified-program .img-wrapper.non-icon img{height:auto}.solutions-module--container--2CFNs section.solutions-module--grid2--3MgK5 ul.items,.solutions-module--container--2CFNs section.solutions-module--grid3--3Zuny ul.items,.solutions-module--container--2CFNs section.solutions-module--grid4--3Iiba ul.items{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between}.solutions-module--container--2CFNs section.solutions-module--grid2--3MgK5 ul.items>li{background-color:#e6f5fb;width:100%}.solutions-module--container--2CFNs section.solutions-module--grid2--3MgK5 ul.items>li h3,.solutions-module--container--2CFNs section.solutions-module--grid2--3MgK5 ul.items>li li{color:#173361}@media screen and (min-width:760px){.solutions-module--container--2CFNs section.solutions-module--grid2--3MgK5 ul.items>li{width:49%}}.solutions-module--container--2CFNs section.solutions-module--grid3--3Zuny ul.items>li{width:100%}@media screen and (min-width:640px){.solutions-module--container--2CFNs section.solutions-module--grid3--3Zuny ul.items>li{width:33%}}.solutions-module--container--2CFNs section.solutions-module--grid4--3Iiba ul.items>li{width:100%}@media screen and (min-width:992px){.solutions-module--container--2CFNs section.solutions-module--grid4--3Iiba ul.items>li{-ms-flex:1 1;flex:1 1}}@media screen and (min-width:480px){.solutions-module--container--2CFNs section.solutions-module--grid4--3Iiba ul.items>li{width:49%}}.solutions-module--container--2CFNs li svg{margin-bottom:40px;width:60px;height:60px}.wp .stay-in-touch-wrapper .contact_form_section{padding:80px 0}.wp .stay-

in-touch-wrapper .contact_form_section .container{max-width:500px;text-align:left}.wp .stay-in-touch-wrapper
 .stay-in-touch-input{width:100%;font-family:MarkOT;font-weight:400;border:0;font-size:16px;outline:0;line-
 height:1.3;padding:20px !important;color:#999;border-bottom:1px solid
 #a7a7a8;background:#f6f6f6 !important;border:#a7a7a8 !important;box-shadow:none !important}.wp .stay-in-touch-
 wrapper .stay-in-touch-input:first-of-type{border-bottom:1px solid #a7a7a8 !important}.wp .stay-in-touch-wrapper
 .stay-in-touch-button{background:#4597cb;color:#fff;border:0;width:100%;padding:15px 20px}.wp .stay-in-touch-
 wrapper .stay-in-touch-button div{text-align:center}.subscribe-to-sub-processor-updates-module--page--2vBIP
 .section.subscribe-to-sub-processor-updates-module--form--2Us-Y{min-height:408px}.subscribe-to-sub-processor-
 updates-module--page--2vBIP .subscribe-to-sub-processor-updates-module--thankyou--
 2NBgk{position:absolute;top:50%;left:50%;-ms-transform:translate(-50%,-50%);transform:translate(-50%,-
 50%);transition:all .3s ease;font-size:18px}.style-module--container--o7cqV .image-animation{border-
 radius:8px}.style-module--container--o7cqV .cta-links-section{padding-top:30px}.style-module--container--o7cqV
 .cta-links-section .style-module--title--1SscH p{margin-bottom:2px}.style-module--container--o7cqV .style-
 module--ctaWrap--w3EQ9{padding-top:0}.style-module--row--21104{position:relative}.style-module--
 ctaLinksSection--6nbxU{padding:80px 0;background:#fafafa}.style-module--colSm3--
 3LKvo{left:auto !important;right:0 !important;width:35% !important}.style-module--colSm3--3LKvo img{max-
 width:100% !important}.style-module--imageWrapper--1hLWR{position:relative}.style-module--imageWrapper--
 1hLWR .play_btn{left:50% !important;top:50% !important;-ms-transform:translate(-50%,-30%);transform:translate(-
 50%,-30%);margin-left:0 !important;margin-top:0 !important}.style-module--formCloudSignUpModal--1AQ3A
 .style-module--thankyou--32jb6{font-weight:500;margin-top:20px;text-align:center}.style-module--
 formCloudSignUpModal--1AQ3A .style-module--content--2KGwt{text-align:center}.style-module--
 formCloudSignUpModal--1AQ3A .style-module--content--2KGwt h4{display:inline-block;font-
 size:20px;color:#8e9093;padding:0;line-height:52px;font-weight:500}.style-module--formCloudSignUpModal--
 1AQ3A .style-module--content--2KGwt>p,.style-module--formCloudSignUpModal--1AQ3A .style-module--
 content--2KGwt h6{font-size:16px}.style-module--formCloudSignUpModal--1AQ3A .style-module--content--
 2KGwt .style-module--formContainer--hGadi form{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-
 wrap:wrap;-ms-flex-pack:justify;justify-content:space-between}.style-module--formCloudSignUpModal--1AQ3A
 .style-module--content--2KGwt .style-module--formContainer--hGadi form .style-module--buttonContainer--
 pKinf{width:100%;margin:20px 0}.style-module--formCloudSignUpModal--1AQ3A .style-module--content--
 2KGwt .style-module--formContainer--hGadi form>input{width:49%}@media screen and (max-
 width:992px){.style-module--formCloudSignUpModal--1AQ3A .style-module--content--2KGwt .style-module--
 formContainer--hGadi form>input{width:100%}}.style-module--checkboxWrapper--
 3sEqj{position:relative;width:100%;margin-top:20px;color:rgba(0,0,0,.7);text-align:left}.style-module--
 checkboxWrapper--3sEqj input{position:absolute;opacity:0;cursor:pointer;height:0;width:0}.style-module--
 checkboxWrapper--3sEqj label{cursor:pointer;padding-left:30px}.style-module--checkboxWrapper--3sEqj .style-
 module--checkboxContainer--1foY9{display:block;position:relative;padding-left:35px;margin-top:12px;-webkit-
 user-select:none;-moz-user-select:none;-ms-user-select:none;user-select:none}.style-module--errorContainer--
 3beGu{position:absolute;top:0;border:1px solid #df2d58;font-size:14px;padding:15px
 50px;width:100%;background-color:#fff;transition:all .2s ease-in-out;opacity:0;visibility:hidden;border-
 radius:4px;text-align:center;z-index:10}.style-module--errorContainer--3beGu p{text-align:center;font-
 size:13px;color:#df2d58}.style-module--errorContainer--3beGu .style-module--show--
 3nUPD{opacity:1;visibility:visible}.style-module--existingAccount--3qZ8p{margin-bottom:20px}.style-module--
 existingAccount--3qZ8p a{letter-spacing:1px;margin-right:0;font-weight:500;color:#257bd7;font-size:12px}.style-
 module--tos--2owUx{font-size:12px}.style-module--tos--2owUx p{font-size:12px;width:80%;line-
 height:1.4;color:rgba(0,0,0,.7);text-align:justify;margin:auto auto 15px}.style-module--tosUS--FgYmU,.style-
 module--us--1yRJm .style-module--tos--2owUx{display:none}.style-module--us--1yRJm .style-module--tosUS--
 FgYmU{display:block}.modal-is-visible .style-module--formCloudSignUpModal--1AQ3A .style-module--show--
 3nUPD{top:50%;left:50%;-ms-transform:translate(-50%,-50%);transform:translate(-50%,-50%)} .style-module--

form--3BU5B .mktoFormRow:nth-child(13) .mktoFieldWrap,.style-module--form--3BU5B .mktoFormRow:nth-child(15) .mktoFieldWrap{display:-ms-flexbox;display:flex;-ms-flex-direction:row-reverse;flex-direction:row-reverse;-ms-flex-align:center;align-items:center}.style-module--form--3BU5B .mktoFormRow:nth-child(13) .mktoFieldWrap label,.style-module--form--3BU5B .mktoFormRow:nth-child(15) .mktoFieldWrap label{display:block;-ms-flex:1 1;flex:1 1}.style-module--form--3BU5B .mktoFormRow:nth-child(13) .mktoFieldWrap .mktoCheckboxList,.style-module--form--3BU5B .mktoFormRow:nth-child(15) .mktoFieldWrap .mktoCheckboxList{width:25px!important;margin-right:10px;padding:5px 0}.style-module--form--3BU5B .mktoForm input[type=checkbox]+label:before{border:1px solid #173361;border-radius:2px;-webkit-appearance:none;-moz-appearance:none;appearance:none;height:14px;width:14px;outline:0;box-shadow:none}.style-module--form--3BU5B .mktoForm input[type=checkbox]:checked+label:before{background:#173361}.style-module--wp--1dpxq{-webkit-appearance:none;letter-spacing:1px;border:1.1px solid #eaceff;padding:10px 0 10px 25px;margin-bottom:5px;font-size:12px;font-weight:400;border-radius:4px;background:#fff;box-shadow:none;line-height:inherit;width:100%}.style-module--wp--1dpxq.style-module--error--2WcVI{border:1px solid #df2d58}.style-module--sectionContent--3CzBg{background-color:transparent;border-radius:8px;background:hsla(0,0%,96.1%,.85);text-align:center;padding:100px 0;margin:0 25px 25px}@media screen and (max-width:767px){.style-module--sectionContent--3CzBg{border-radius:0;margin-left:0;margin-right:0;padding-top:50px;padding-bottom:50px}}.style-module--sectionContent--3CzBg:last-child{margin-bottom:0}.style-module--sectionContent--3CzBg.style-module--robinsEgg--1TK5a{background:#b4e1e4}.style-module--sectionContent--3CzBg.style-module--ice--kDgc2{background:#e6f5fb}.style-module--sectionContent--3CzBg .style-module--contentContainer--NXLbe{margin:0 auto;max-width:1170px;padding-left:15px;padding-right:15px;width:100%}@media screen and (min-width:768px) and (max-width:991px){.style-module--sectionContent--3CzBg .style-module--contentContainer--NXLbe.style-module--noBackground--2v_Ea{padding-left:0;padding-right:0}}@media screen and (min-width:992px) and (max-width:1199px){.style-module--sectionContent--3CzBg .style-module--contentContainer--NXLbe.style-module--noBackground--2v_Ea{padding-left:0;padding-right:0}}.style-module--sectionContent--3CzBg .style-module--svg--1POTP{width:40px}.style-module--sectionContent--3CzBg .style-module--paragraph--3Uuc4{width:35%;margin:0 auto;line-height:1.63;color:#000;font-size:18px;font-weight:300}.style-module--sectionContent--3CzBg .style-module--title--1sbHU{text-align:center;margin-bottom:50px}.style-module--sectionContent--3CzBg .style-module--title--1sbHU h3{color:#000;font-size:28px;font-weight:500;padding:0}.style-module--sectionContent--3CzBg .style-module--ctaContainer--MtFCh{margin:100px auto 0;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}@media screen and (max-width:575px){.style-module--sectionContent--3CzBg .style-module--ctaContainer--MtFCh{-ms-flex-direction:column;flex-direction:column;-ms-flex-align:center;align-items:center}}.style-module--sectionContent--3CzBg .style-module--ctaContainer--MtFCh>:not(:first-child){margin-left:20px}@media screen and (max-width:575px){.style-module--sectionContent--3CzBg .style-module--ctaContainer--MtFCh>:not(:first-child){margin-top:20px;margin-left:0}}@media (max-width:768px){.style-module--sectionContent--3CzBg .style-module--paragraph--3Uuc4{width:90%}.style-module--sectionContent--3CzBg h2{line-height:1}}.rules-of-engagement-module--codeOfConduct--1_ejT p{font-weight:700;font-size:18px}.rules-of-engagement-module--sectionSummary--1qeSs{margin-bottom:100px}.rules-of-engagement-module--wrapper--1eCh6{border:2px solid hsla(0,0%,96.1%,.85);border-radius:8px;padding:20px;text-align:left;margin:10px 0}.rules-of-engagement-module--wrapper--1eCh6 div,.rules-of-engagement-module--wrapper--1eCh6 h4,.rules-of-engagement-module--wrapper--1eCh6 li,.rules-of-engagement-module--wrapper--1eCh6 ul{margin:20px 0}.rules-of-engagement-module--wrapper--1eCh6 h4{color:#173361;font-weight:700}.rules-of-engagement-module--disclaimer--Blzoi{font-weight:700}.rules-of-engagement-module--disclaimer--Blzoi span{color:#d8365d}.confluent-cloud-faqs-module--faqSection--3V0x1,.startup-program-faq-module--faqSection--142Xk{padding-top:25px}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xuqt{color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;text-align:left}.support-module--page--dS7DG .support-module--

ccSupportPlanSection--1A0mm .support-module--content--2Xupt ul{list-style:none;margin:0;padding:0}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xupt ul li:not(:last-child){margin-bottom:30px}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xupt h4{color:#b78142;font-size:18px;font-weight:700;margin-bottom:20px}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xupt h5{color:#000;font-size:12px;font-weight:500;letter-spacing:1.2px;line-height:24px;margin:0;text-transform:uppercase}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xupt strong{display:block}@media screen and (max-width:767px){.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xupt .support-module--desktop--1me3a{display:none}}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xupt .support-module--desktop--1me3a .support-module--row--1za5f{display:-ms-flexbox;display:flex}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xupt .support-module--desktop--1me3a .support-module--row--1za5f:not(:first-child){border-top:2px solid hsla(0,0%,96.1%,.85)}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xupt .support-module--desktop--1me3a .support-module--row--1za5f:not(:first-child):last-child{border-bottom:2px solid hsla(0,0%,96.1%,.85)}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xupt .support-module--desktop--1me3a .support-module--row--1za5f:not(:first-child)>div:first-child{border-left:2px solid hsla(0,0%,96.1%,.85)}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xupt .support-module--desktop--1me3a .support-module--row--1za5f:not(:first-child)>div:last-child{border-right:2px solid hsla(0,0%,96.1%,.85)}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xupt .support-module--desktop--1me3a .support-module--row--1za5f>div{padding:20px 10px;width:20%}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xupt .support-module--desktop--1me3a .support-module--row--1za5f>div:nth-child(2){width:14%}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xupt .support-module--desktop--1me3a .support-module--row--1za5f>div:nth-child(3),.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xupt .support-module--desktop--1me3a .support-module--row--1za5f>div:nth-child(4),.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xupt .support-module--desktop--1me3a .support-module--row--1za5f>div:nth-child(5){width:22%}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xupt .support-module--mobile--nieXi{display:none;text-align:center}@media screen and (max-width:767px){.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xupt .support-module--mobile--nieXi{display:block}}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xupt .support-module--mobile--nieXi h4{font-size:24px}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xupt .support-module--mobile--nieXi .support-module--tier--3WH2D .support-module--row--1za5f{border-bottom:2px solid hsla(0,0%,96.1%,.85);padding:40px 0 20px}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xupt .support-module--mobile--nieXi .support-module--tier--3WH2D .support-module--row--1za5f:last-child{border-bottom-width:7px}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xupt .support-module--mobile--nieXi .support-module--tier--3WH2D .support-module--row--1za5f>div:first-child{margin-bottom:20px}.support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 h2{margin-bottom:50px}.support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2Xupt p{color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}.support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2Xupt>p{margin-bottom:80px}.support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2Xupt .support-module--options--3Jk8i{display:-ms-flexbox;display:flex;-ms-

flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between}.support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt .support-module--options--3Jk8i .support-module--option--Tw8U2{background:#fff;display:-ms-flexbox;display:flex;margin:0 0 10px;padding:50px 30px;text-align:left;width:calc(50% - 5px);-ms-flex:none!important;flex:none!important}@media screen and (max-width:767px){.support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt .support-module--options--3Jk8i .support-module--option--Tw8U2{width:100%}}.support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt .support-module--options--3Jk8i .support-module--option--Tw8U2 .support-module--itemContainer--_ZvPa>div:first-child{margin-right:20px;width:30px}.support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt .support-module--options--3Jk8i .support-module--option--Tw8U2 .support-module--itemContainer--_ZvPa>div:first-child svg{width:100%}.support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt .support-module--options--3Jk8i .support-module--option--Tw8U2 .support-module--itemContainer--_ZvPa>div:last-child{-ms-flex:1 1;flex:1 1}.support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt .support-module--options--3Jk8i .support-module--option--Tw8U2 .support-module--itemContainer--_ZvPa>div:last-child h4{margin:0 0 15px}.support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt .support-module--options--3Jk8i .support-module--option--Tw8U2 .support-module--itemContainer--_ZvPa>div:last-child h4 a{color:#000;font-size:18px;font-weight:700}.covid-19-faq-module--page--110ut .covid-19-faq-module--hero--1wWkF .covid-19-faq-module--content--17_we{width:90%}.covid-19-faq-module--page--110ut .covid-19-faq-module--hero--1wWkF .covid-19-faq-module--content--17_we p{color:#000;margin-top:50px}.covid-19-faq-module--page--110ut .covid-19-faq-module--introSection--30To6{color:#000;font-size:14px;font-weight:300;text-align:left;padding-bottom:0}.covid-19-faq-module--page--110ut .covid-19-faq-module--introSection--30To6 li{margin:20px 0}.covid-19-faq-module--page--110ut .covid-19-faq-module--faqSection--AjKdN{text-align:left}.covid-19-faq-module--page--110ut .covid-19-faq-module--faqSection--AjKdN .covid-19-faq-module--content--17_we{margin-bottom:50px}.covid-19-faq-module--page--110ut .covid-19-faq-module--faqSection--AjKdN .covid-19-faq-module--content--17_we h4{color:#173361;font-size:18px;font-weight:700}.covid-19-faq-module--page--110ut .covid-19-faq-module--faqSection--AjKdN .covid-19-faq-module--content--17_we p{color:#000;font-size:14px;font-weight:300}.request-kafka-tco-assessment-module--formSection--64K9s h3,.request-kafka-tco-assessment-module--formSection--64K9s p,.request-kafka-tco-assessment-module--formSection--64K9s ul{color:#173361;font-weight:700;font-size:18px}.request-kafka-tco-assessment-module--formSection--64K9s h3{width:60%;font-weight:500;font-size:28px;margin:0 auto 50px}.request-kafka-tco-assessment-module--formSection--64K9s p,.request-kafka-tco-assessment-module--formSection--64K9s ul{list-style:none}.request-kafka-tco-assessment-module--formSection--64K9s .request-kafka-tco-assessment-module--formContainer--3noww{width:800px;max-width:95%;margin:25px auto}@media screen and (min-width:768px){.request-kafka-tco-assessment-module--formSection--64K9s .request-kafka-tco-assessment-module--formContainer--3noww{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap}}.request-kafka-tco-assessment-module--formSection--64K9s .request-kafka-tco-assessment-module--formContainer--3noww .request-kafka-tco-assessment-module--select---gaxw,.request-kafka-tco-assessment-module--formSection--64K9s .request-kafka-tco-assessment-module--formContainer--3noww input{width:100%;margin:5px 0}@media screen and (min-width:768px){.request-kafka-tco-assessment-module--formSection--64K9s .request-kafka-tco-assessment-module--formContainer--3noww .request-kafka-tco-assessment-module--select---gaxw,.request-kafka-tco-assessment-module--formSection--64K9s .request-kafka-tco-assessment-module--formContainer--3noww input{width:calc(50% - 10px);margin:5px}}.request-kafka-tco-assessment-module--formSection--64K9s .request-kafka-tco-assessment-module--formContainer--3noww .request-kafka-tco-assessment-module--select---gaxw:last-of-type{width:100%;margin-bottom:25px}.request-kafka-tco-assessment-module--formSection--64K9s .request-kafka-tco-assessment-module--thankYou--2eESF{margin-top:50px;font-size:24px}.style-module--postItem--

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3UA1F{display:-ms-flexbox;display:flex;-ms-flex-align:start;align-items:flex-start;margin-bottom:65px;text-align:left}@media screen and (max-width:767px){.style-module--postItem--3UA1F{-ms-flex-direction:column;flex-direction:column}}.style-module--postItem--3UA1F ul{list-style:none;padding:0;margin:0}.style-module--postItem--3UA1F.style-module--protected--2LnYL h2:before{content:"\1F512"}.style-module--postItem--3UA1F .style-module--imageContainer--1coFo{margin-right:55px;max-width:378px;width:100%}.style-module--postItem--3UA1F .style-module--imageContainer--1coFo img{width:100%}.style-module--postItem--3UA1F .style-module--content--2cWa9{-ms-flex:1 1;flex:1 1}.style-module--postItem--3UA1F .style-module--content--2cWa9 h2{margin:10px 0 20px}.style-module--postItem--3UA1F .style-module--content--2cWa9 h2 a{color:#0074a2;font-size:18px;font-weight:700}.style-module--postItem--3UA1F .style-module--content--2cWa9 .style-module--metadata--dt9Hb{color:#0074a2;font-size:14px;font-weight:500;margin-bottom:10px;display:-ms-flexbox;display:flex;-ms-flex-pack:start;justify-content:flex-start;-ms-flex-wrap:wrap;flex-wrap:wrap}.style-module--postItem--3UA1F .style-module--content--2cWa9 .style-module--metadata--dt9Hb time{color:rgba(0,0,0,.85);font-weight:300;margin-right:10px}.style-module--postItem--3UA1F .style-module--content--2cWa9 .style-module--metadata--dt9Hb .style-module--tagContainer--3Xdt8 li{display:inline-block}.style-module--postItem--3UA1F .style-module--content--2cWa9 .style-module--metadata--dt9Hb .style-module--tagContainer--3Xdt8 li:not(:last-child):after{content:",";margin-right:2px}.style-module--postItem--3UA1F .style-module--content--2cWa9 .style-module--metadata--dt9Hb .style-module--tagContainer--3Xdt8 li a{color:#0074a2}.style-module--postItem--3UA1F .style-module--content--2cWa9 .style-module--summary--2CPjk{color:rgba(0,0,0,.85);font-size:16px;font-weight:400;line-height:1.79}.style-module--listHeader--2FIuN{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-align:center;align-items:center;margin-bottom:40px}@media screen and (max-width:767px){.style-module--listHeader--2FIuN{-ms-flex-direction:column;flex-direction:column}}.style-module--listHeader--2FIuN .style-module--categorySelector--fjNB4{position:relative}@media screen and (max-width:767px){.style-module--listHeader--2FIuN .style-module--categorySelector--fjNB4{margin-bottom:15px}}.style-module--listHeader--2FIuN .style-module--categorySelector--fjNB4:after{position:absolute;top:12px;right:13px;content:"";display:inline-block;-ms-transform:rotate(135deg);transform:rotate(135deg);height:12px;width:12px;border-color:#0074a2;border-style:solid;border-width:2px 2px 0 0}.style-module--listHeader--2FIuN .style-module--categorySelector--fjNB4 select{color:#173361;width:240px;padding:8px;height:40px;border:1px solid #173361;outline:0;border-radius:6px;background-color:#fff;-webkit-appearance:none;-moz-appearance:none;appearance:none;cursor:pointer}.style-module--listHeader--2FIuN .style-module--buttonContainer--2bc55>:first-child{margin-right:10px}.style-module--searchResultHeader--3ERwZ{margin-bottom:25px;text-align:left}.style-module--bottomBannerSection--3t8WQ{background:hsla(0,0%,96.1%,.85)}@media print{.style-module--bottomBannerSection--3t8WQ{display:none}}.style-module--bottomBannerSection--3t8WQ .style-module--content--2cWa9 p{color:#173361;font-size:28px;font-weight:500}.style-module--bottomBannerSection--3t8WQ .style-module--content--2cWa9+div{margin:45px 0 0}.style-module--authors--3Ppc_{list-style:none;padding:0;margin:0;display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap}.style-module--authors--3Ppc_ .style-module--author--2AFBY{margin:10px 20px 0 0}.style-module--authors--3Ppc_ .style-module--author--2AFBY a{color:#173361;font-size:12px;font-weight:500;line-height:2.67;letter-spacing:2px;text-transform:uppercase}.style-module--authors--3Ppc_ .style-module--author--2AFBY img{width:55px;height:55px;border-radius:50%;border:1px solid #979797;margin-right:10px}.style-module--authors--3Ppc_ .style-module--author--2AFBY li{display:inline-block;margin-right:20px;margin-bottom:15px}@media print{.style-module--relatedPostSection--2BQQq{display:none}}.style-module--relatedPostSection--2BQQq .style-module--content--2cWa9{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between}@media screen and (max-width:767px){.style-module--relatedPostSection--2BQQq .style-module--content--2cWa9{-ms-flex-direction:column;flex-direction:column}}.style-module--relatedPostSection--2BQQq .style-module--content--2cWa9 .style-module--post--

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FIMvV{-ms-flex:1 1;flex:1 1;margin-right:20px;margin-bottom:20px;text-align:left;display:-ms-
flexbox;display:flex;-ms-flex-direction:column;flex-direction:column}.style-module--relatedPostSection--2BQQq
.style-module--content--2cWa9 .style-module--post--FIMvV:last-child{margin-right:0}.style-module--
relatedPostSection--2BQQq .style-module--content--2cWa9 .style-module--post--FIMvV img{max-
height:200px}.style-module--relatedPostSection--2BQQq .style-module--content--2cWa9 .style-module--post--
FIMvV h3 a{color:rgba(0,0,0,.85);font-size:18px;font-weight:700;letter-spacing:normal}.style-module--
relatedPostSection--2BQQq .style-module--content--2cWa9 .style-module--post--FIMvV .style-module--summary--
2CPjk{margin-bottom:20px;color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-
spacing:0}.style-module--relatedPostSection--2BQQq .style-module--content--2cWa9 .style-module--post--FIMvV
.style-module--author--2AFBY{display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;margin-
bottom:20px}.style-module--relatedPostSection--2BQQq .style-module--content--2cWa9 .style-module--post--
FIMvV .style-module--metadata--dt9Hb{margin:auto 0 0}.style-module--sharePostSection--3GHmv{padding-
top:0}@media print{.style-module--sharePostSection--3GHmv{display:none}}.style-module--sharePostSection--
3GHmv h2{color:rgba(0,0,0,.85);font-size:28px;font-weight:500;margin:0 0 30px}@media screen and (max-
width:767px){.style-module--sharePostSection--3GHmv h2{font-size:21px}}.style-module--sharePostSection--
3GHmv .style-module--shareContainer--2JWTe{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-
content:center}.style-module--sharePostSection--3GHmv .style-module--shareContainer--2JWTe>div: hover
svg{opacity:.5}.style-module--sharePostSection--3GHmv .style-module--shareContainer--2JWTe>div:nth-of-
type(2){margin:0 40px}.style-module--summary--2CPjk p:after{content:" [...]"}.style-module--blogList--2d8qC
.style-module--bannerSection--1hj1f{background:hsla(0,0%,96.1%,.85);padding:30px 0;color:rgba(0,0,0,.85);font-
size:14px;font-weight:300}.style-module--blogList--2d8qC .style-module--bannerSection--1hj1f
a{color:#0074a2;font-weight:500}.style-module--blogList--2d8qC .style-module--mainSection--3uX12{padding-
top:20px}.style-module--blogList--2d8qC .style-module--sectionBottomBanner--
3Hesn{background:#b4e1e4}.style-module--blogList--2d8qC .style-module--sectionBottomBanner--3Hesn p{line-
height:1.4;max-width:52rem;margin:0 auto}@media screen and (max-width:767px){.style-module--blogList--
2d8qC .style-module--sectionBottomBanner--3Hesn p{max-width:none}}.style-module--blogPost--1pOcN.style-
module--protected--1y8oU .style-module--heroSection--eUZVN h1:before{content:"\1F512"}.style-module--
blogPost--1pOcN .style-module--heroSection--eUZVN{background-color:#e6f5fb}.style-module--blogPost--1pOcN
.style-module--mainSection--3uX12{text-align:left;padding-top:0;max-width:780px;margin:0 auto}.style-module--
blogPost--1pOcN .style-module--mainSection--3uX12 .cflt-pp img{border-radius:50%;margin:0}.style-module--
blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj{display:-ms-
flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-align:start;align-items:flex-
start;text-transform:uppercase;margin:30px 0;-ms-flex-wrap:wrap;flex-wrap:wrap;border-bottom:2px solid
rgba(130,148,148,.25)}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--
metadata--3fkLj .style-module--author--msXYT{display:-ms-flexbox;display:flex;-ms-flex:1 1;flex:1 1;-ms-flex-
wrap:wrap;flex-wrap:wrap}@media screen and (max-width:575px){.style-module--blogPost--1pOcN .style-
module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--author--msXYT{-ms-flex-
direction:column;flex-direction:column}}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12
.style-module--metadata--3fkLj .style-module--author--msXYT .cflt-bio
a{color:#000;font-size:12px;font-weight:500;line-height:2.67;letter-spacing:2px;line-height:1}.style-module--
blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--author--
msXYT .cflt-bio .cflt-pp{margin-right:10px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12
.style-module--metadata--3fkLj .style-module--author--msXYT .cflt-bio .cflt-pp
img{height:45px;width:45px}@media screen and (max-width:767px){.style-module--blogPost--1pOcN .style-
module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--author--msXYT .cflt-bio .cflt-pp
img{height:25px;width:25px}}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module-

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-metadata--3fkLj .style-module--right--202Fi{display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;-ms-flex-wrap:wrap;flex-wrap:wrap}@media screen and (max-width:767px){.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--right--202Fi{display:none}}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--right--202Fi svg{margin-left:35px;height:30px;width:30px;cursor:pointer}@media print{.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--right--202Fi svg{display:none}}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--date--24xyw{color:#829494;font-size:12px;font-weight:500;line-height:2.67;letter-spacing:2px;display:block;margin-bottom:10px;text-transform:uppercase}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje{position:relative;color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje pre{padding:30px 10px 20px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje a{color:#257bd7}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje sup{top:-2px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje img{max-width:100%;margin:10px auto;display:block}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje img.alignleft{float:left;margin-right:10px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje img.alignright{float:right;margin-left:10px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h2{color:#000;font-size:28px;font-weight:500}@media screen and (max-width:767px){.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h2{font-size:21px}}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h3{color:#000;font-size:21px;font-weight:500;line-height:27px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h2.style-module--bookmarkable--Vemwc .style-module--bookmark--1S0Xm,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h3.style-module--bookmarkable--Vemwc .style-module--bookmark--1S0Xm,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h4.style-module--bookmarkable--Vemwc .style-module--bookmark--1S0Xm,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h5.style-module--bookmarkable--Vemwc .style-module--bookmark--1S0Xm,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h6.style-module--bookmarkable--Vemwc .style-module--bookmark--1S0Xm{display:none;font-size:14px;margin-left:5px;vertical-align:middle;text-decoration:none}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h2.style-module--bookmarkable--Vemwc:hover .style-module--bookmark--1S0Xm,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h3.style-module--bookmarkable--Vemwc:hover .style-module--bookmark--1S0Xm,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h4.style-module--bookmarkable--Vemwc:hover .style-module--bookmark--1S0Xm,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h5.style-module--bookmarkable--Vemwc:hover .style-module--bookmark--1S0Xm,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h6.style-module--bookmarkable--Vemwc:hover .style-module--bookmark--1S0Xm{display:inline-block}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje iframe{max-width:100%}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje p{margin-bottom:20px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje div>ol li,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje div>ol span:not(.embed-gist),.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje div>p,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje div>ul li,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje div>ul span:not(.embed-gist){color:#000!important;font-size:16px;font-weight:300}.style-module--blogPost--1pOcN .style-module--
```



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mainSection--3uX12 .style-module--content--3iWje blockquote h4{ line-height:inherit;font-size:16px;font-
weight:400}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje
blockquote br{display:none}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--
content--3iWje blockquote em{ font-size:20px;display:block}.style-module--blogPost--1pOcN .style-module--
mainSection--3uX12 .style-module--content--3iWje blockquote span{display:block;margin-top:10px}.style-module-
-blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .style-module--copy--
YJWu8{position:absolute:right:0}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-
module--content--3iWje .style-module--copy--YJWu8 i{cursor:pointer;position:relative;top:5px;right:8px;z-
index:10;font-size:16px;opacity:.7}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-
module--content--3iWje .style-module--copy--YJWu8 i:hover{opacity:1}.style-module--blogPost--1pOcN .style-
module--mainSection--3uX12 .style-module--content--3iWje li .style-module--copy--YJWu8 i{top:30px}.style-
module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje li p+.style-module--
copy--YJWu8 i{top:5px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--
content--3iWje .style-module--tableWrapper--3giJw{width:100%}@media screen and (max-width:767px){.style-
module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .style-module--
tableWrapper--3giJw{overflow:scroll}}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-
module--content--3iWje .download_blue.rounded_button,.style-module--blogPost--1pOcN .style-module--
mainSection--3uX12 .style-module--content--3iWje .orange_button{transition:all .5s ease-in-out;transition:all .5s
cubic-bezier(.785,.135,.15,.86);border-radius:6px;display:inline-block;font-size:12px;font-weight:700;letter-
spacing:.9px;line-height:1.5;padding:12px 30px;text-align:center;text-decoration:none;text-
transform:uppercase;background-color:transparent;border:1px solid
#173361;color:#173361;color:#173361 !important}.style-module--blogPost--1pOcN .style-module--mainSection--
3uX12 .style-module--content--3iWje .download_blue.rounded_button:hover,.style-module--blogPost--1pOcN
.style-module--mainSection--3uX12 .style-module--content--3iWje .orange_button:hover{cursor:pointer;text-
decoration:none}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--
3iWje .image-caption{display:block;font-size:14px;font-style:italic;font-weight:400;text-align:center}.style-
module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .cflt-bio{border-
top:2px solid hsla(0,0%,96.1%,.85);border-bottom:2px solid hsla(0,0%,96.1%,.85);margin-top:100px;padding:20px
0;display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center}@media screen and (max-
width:575px){.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje
.cflt-bio{-ms-flex-direction:column;flex-direction:column}}.style-module--blogPost--1pOcN .style-module--
mainSection--3uX12 .style-module--content--3iWje .cflt-bio .cflt-blurb{font-size:14px;font-weight:300;margin-
bottom:0}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .cflt-
bio .cflt-blurb>*{font-size:14px;font-weight:300}.style-module--blogPost--1pOcN .style-module--mainSection--
3uX12 .style-module--content--3iWje .cflt-bio .cflt-pp{margin-right:30px}@media print{.style-module--blogPost--
1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .cflt-bio .cflt-pp{display:none}}@media
screen and (max-width:575px){.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module-
-content--3iWje .cflt-bio .cflt-pp{margin-right:0;margin-bottom:30px}}.style-module--blogPost--1pOcN .style-
module--mainSection--3uX12 .style-module--content--3iWje .cflt-bio .cflt-
pp>div{width:70px !important;height:70px !important}.style-module--blogPost--1pOcN .style-module--mainSection-
-3uX12 .style-module--content--3iWje .cflt-bio .cflt-pp img{height:70px;width:70px}.style-module--blogPost--
1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .cflt-bio.cflt-default .cflt-
blurb{color:#173361 !important;font-size:20px;font-weight:700}@media screen and (max-width:767px){.style-
module--blogPost--1pOcN .style-module--mainSection--3uX12 code{word-break:break-word}}.style-module--
contentSection--2SdyY{padding-top:40px;padding-bottom:40px}.style-module--contentSection--2SdyY .style-
module--nav--3Yw6O li{font-weight:700;letter-spacing:1.2px;font-size:14px;display:inline-block;text-
transform:uppercase}@media screen and (max-width:575px){.style-module--contentSection--2SdyY .style-module-
-nav--3Yw6O li{display:block}}.style-module--contentSection--2SdyY .style-module--nav--3Yw6O

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li+li:before{content:" | ";margin:0 15px}@media screen and (max-width:575px){.style-module--contentSection--2SdyY .style-module--nav--3Yw6O li+li:before{display:none}}.style-module--contentSection--2SdyY .style-module--nav--3Yw6O li.style-module--active--3XD4X a{color:#000}.style-module--contentSection--2SdyY .style-module--item--2pvTa{display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;border-bottom:1px solid #efefef;padding:40px 0}.style-module--contentSection--2SdyY .style-module--item--2pvTa:last-child{border-bottom:none}.style-module--contentSection--2SdyY .style-module--imageContainer--jy83c{margin-right:20px}.style-module--contentSection--2SdyY .style-module--imageContainer--jy83c img{max-width:none;width:110px}@media screen and (max-width:575px){.style-module--contentSection--2SdyY .style-module--imageContainer--jy83c{display:none}}.style-module--contentSection--2SdyY .style-module--content--32ux0{text-align:left}.style-module--contentSection--2SdyY .style-module--content--32ux0 .style-module--date--woPnD{color:#000;font-size:18px;font-weight:700;line-height:23px;font-weight:400}.style-module--contentSection--2SdyY .style-module--content--32ux0 .style-module--title--F4YNt{color:#173361;font-size:21px;font-weight:500;line-height:27px}.style-module--pageList--letxG .style-module--contentSection--jSGp3{padding-top:40px;padding-bottom:40px}.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--nav--2VDJx li{font-weight:700;letter-spacing:1.2px;font-size:14px;display:inline-block;text-transform:uppercase}@media screen and (max-width:575px){.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--nav--2VDJx li{display:block}}.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--nav--2VDJx li+li:before{content:" | ";margin:0 15px}@media screen and (max-width:575px){.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--nav--2VDJx li+li:before{display:none}}.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--nav--2VDJx li.style-module--active---WwI6 a{color:#000}.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--item--1kvxe{display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;border-bottom:1px solid #efefef;padding:40px 0}.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--item--1kvxe:last-child{border-bottom:none}.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--imageContainer--3CFtC{margin-right:20px}.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--imageContainer--3CFtC img{max-width:none;width:110px}@media screen and (max-width:575px){.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--imageContainer--3CFtC{display:none}}.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--content--1WyTq{text-align:left}.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--content--1WyTq .style-module--date--2FYZI{color:#000;font-size:18px;font-weight:700;line-height:23px;font-weight:400}.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--content--1WyTq .style-module--title--1yiWy{color:#173361;font-size:21px;font-weight:500;line-height:27px}.style-module--pageTemplate--2eJab .style-module--contentSection--jSGp3{color:#000;font-size:18px;font-weight:300;line-height:1.39;text-align:left}@media screen and (max-width:767px){.style-module--pageTemplate--2eJab .style-module--contentSection--jSGp3{margin-top:20px}}.style-module--pageTemplate--2eJab .style-module--contentSection--jSGp3 h2{margin-bottom:40px}.style-module--pageTemplate--2eJab .style-module--contentSection--jSGp3 .style-module--section--LDg5t{margin:20px 0}.style-module--pageResourceList--2xJSM .style-module--hero--3gfzl .style-module--card--_rdUr,.style-module--pageResourceList--2xJSM .style-module--resourceList--ci7VL .style-module--card--_rdUr{padding:25px;color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}.style-module--pageResourceList--2xJSM .style-module--hero--3gfzl .style-module--card--_rdUr h3,.style-module--pageResourceList--2xJSM .style-module--resourceList--ci7VL .style-module--card--_rdUr h3{color:#173361;font-size:18px;font-weight:700;line-height:23px;margin-bottom:25px;padding-bottom:0}.style-module--pageResourceList--2xJSM .style-module--hero--3gfzl h1{margin-bottom:50px}.style-module--pageResourceList--2xJSM .style-module--hero--3gfzl .style-module--content--1Sy2Q{width:100%}.style-module--pageResourceList--2xJSM .style-module--hero--3gfzl .style-module--content--1Sy2Q .style-module--card--_rdUr{background:#c4eff2}.style-module--pageResourceList--2xJSM .style-module--hero--3gfzl .style-module--content--1Sy2Q .style-module--card--_rdUr: hover{border-color:#0074a2}.style-module--pageResourceList--2xJSM

.style-module--hero--3gfzl .style-module--content--1Sy2Q .style-module--card--_rdUr img{max-height:160px;width:auto}.style-module--pageResourceList--2xJSM .style-module--resourceList--ci7VL{padding-top:20px}@media screen and (max-width:767px){.style-module--pageResourceList--2xJSM .style-module--resourceList--ci7VL{padding-top:0}}.style-module--pageResourceList--2xJSM .style-module--resourceList--ci7VL .style-module--card--_rdUr{background:hsla(0,0%,96.1%,.85)}.style-module--pageResourceList--2xJSM .style-module--resourceList--ci7VL .style-module--card--_rdUr .style-module--cardContent--3dK28{overflow:hidden;text-overflow:ellipsis;display:-webkit-box;-webkit-line-clamp:4;-webkit-box-orient:vertical}.style-module--pageResourceList--2xJSM .style-module--header--32Kgf{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;margin-bottom:50px}@media screen and (max-width:767px){.style-module--pageResourceList--2xJSM .style-module--header--32Kgf{-ms-flex-direction:column-reverse;flex-direction:column-reverse}}.style-module--pageResourceList--2xJSM .style-module--header--32Kgf form{display:-ms-flexbox;display:flex;-ms-flex-pack:start;justify-content:flex-start;-ms-flex-wrap:wrap;flex-wrap:wrap;width:100%;max-width:calc(100% - 140px)}@media screen and (max-width:767px){.style-module--pageResourceList--2xJSM .style-module--header--32Kgf form{-ms-flex-direction:column;flex-direction:column;max-width:none;padding-top:10px;border-top:2px solid hsla(0,0%,96.1%,.85)}}.style-module--pageResourceList--2xJSM .style-module--header--32Kgf form .style-module--select--2IqDS{margin-right:10px;width:calc((100% - 40px)/5)}@media screen and (min-width:768px) and (max-width:991px){.style-module--pageResourceList--2xJSM .style-module--header--32Kgf form .style-module--select--2IqDS{margin-bottom:10px;width:calc((100% - 30px)/3)}}@media screen and (max-width:767px){.style-module--pageResourceList--2xJSM .style-module--header--32Kgf form .style-module--select--2IqDS{width:100%;margin-bottom:10px;margin-right:0}}.style-module--pageResourceList--2xJSM .style-module--header--32Kgf form .style-module--select--2IqDS:last-child{margin-right:0}@media screen and (max-width:767px){.style-module--pageResourceList--2xJSM .style-module--header--32Kgf form .style-module--select--2IqDS:last-child{margin-bottom:0}}.style-module--pageResourceList--2xJSM .style-module--header--32Kgf button{-ms-flex-item-align:start;align-self:flex-start}@media screen and (max-width:767px){.style-module--pageResourceList--2xJSM .style-module--header--32Kgf button{width:100%;margin-bottom:10px}}@media screen and (max-width:767px){.style-module--coverModule--1neFV{text-align:center}}.style-module--coverModule--1neFV img{max-height:250px;height:auto}.style-module--contentModule--2GbeI.style-module--fullWidth--3WdfM{max-width:none!important}.style-module--contentModule--2GbeI ol li,.style-module--contentModule--2GbeI ol span,.style-module--contentModule--2GbeI p,.style-module--contentModule--2GbeI ul li,.style-module--contentModule--2GbeI ul span{color:#000;font-size:14px;font-weight:300;line-height:25px}.style-module--contentModule--2GbeI .style-module--genericContent--jUIVQ .col-sm-6{width:49%}.style-module--contentModule--2GbeI .style-module--genericContent--jUIVQ.style-module--video--2Lodx [id^=vidyard_]{max-width:599px!important;width:100%!important}.style-module--contentModule--2GbeI .style-module--genericContent--jUIVQ.style-module--video--2Lodx:not(.style-module--slide--2TjeV) .row .col-sm-6{width:100%}.style-module--contentModule--2GbeI .style-module--genericContent--jUIVQ.style-module--video--2Lodx.style-module--slide--2TjeV .row{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap}@media screen and (max-width:767px){.style-module--contentModule--2GbeI .style-module--genericContent--jUIVQ.style-module--video--2Lodx.style-module--slide--2TjeV .row .col-sm-6{width:100%;text-align:center}}.style-module--contentModule--2GbeI .style-module--genericContent--jUIVQ.style-module--video--2Lodx.style-module--slide--2TjeV .row .col-sm-6+.col-sm-6{margin-top:20px}}.style-module--contentModule--2GbeI .style-module--recordingTime--1eBRY p{font-size:18px;font-weight:700}.style-module--contentModule--2GbeI h2{color:#000;font-size:28px}.style-module--contentModule--2GbeI .style-module--content--1Smjq img{width:100%;max-width:100px;border-radius:50%;margin-right:20px}.style-module--contentModule--2GbeI .style-module--content--1Smjq .style-module--speakerContainer--1AYAJ .style-module--speaker--r_Ydq{display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center}.style-module--contentModule--2GbeI .style-module--content--1Smjq .style-module--speakerContainer--1AYAJ .style-module--speaker--r_Ydq img{max-width:100px;width:auto}.style-module--formModule--2QTTW{max-width:480px;width:100%}@media screen and

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(min-width:768px){.style-module--formModule--2QTTWW{position:absolute;right:0;top:0}}.style-module--
formModule--2QTTWW .style-module--formContainer--2LkV{background:hsla(0,0%,96.1%,.85);border-
radius:8px;padding:25px;position:relative}.style-module--formModule--2QTTWW .style-module--formContainer--
2LkV h3{color:#173361;font-size:18px;font-weight:700;text-align:center;margin-bottom:20px}.style-module--
formModule--2QTTWW .style-module--formContainer--2LkV form.style-module--form--1G1ba{display:-ms-
flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;width:100%!important}.style-module--
formModule--2QTTWW .style-module--formContainer--2LkV form.style-module--form--1G1ba input,.style-
module--formModule--2QTTWW .style-module--formContainer--2LkV form.style-module--form--1G1ba
select{background-color:#fff!important;border:2px solid hsla(0,0%,73.3%,.5)!important;border-
radius:4px;width:100%!important;margin-bottom:5px;color:#000;font-size:14px;line-
height:1.2!important;padding:10px!important}.style-module--formModule--2QTTWW .style-module--
formContainer--2LkV form.style-module--form--1G1ba input::-webkit-input-placeholder,.style-module--
formModule--2QTTWW .style-module--formContainer--2LkV form.style-module--form--1G1ba select::-webkit-
input-placeholder{color:#829494}.style-module--formModule--2QTTWW .style-module--formContainer--2LkV
form.style-module--form--1G1ba input::-moz-placeholder,.style-module--formModule--2QTTWW .style-module--
formContainer--2LkV form.style-module--form--1G1ba select::-moz-placeholder{color:#829494}.style-module--
formModule--2QTTWW .style-module--formContainer--2LkV form.style-module--form--1G1ba input:-ms-input-
placeholder,.style-module--formModule--2QTTWW .style-module--formContainer--2LkV form.style-module--
form--1G1ba select:-ms-input-placeholder{color:#829494}.style-module--formModule--2QTTWW .style-module--
formContainer--2LkV form.style-module--form--1G1ba input::placeholder,.style-module--formModule--2QTTWW
.style-module--formContainer--2LkV form.style-module--form--1G1ba select::placeholder{color:#829494}.style-
module--formModule--2QTTWW .style-module--formContainer--2LkV form.style-module--form--1G1ba
select{cursor:pointer;color:#829494}.style-module--formModule--2QTTWW .style-module--formContainer--2LkV
form.style-module--form--1G1ba .mktoButtonRow{text-align:center;margin-top:25px;-ms-flex-
order:15;order:15}.style-module--formModule--2QTTWW .style-module--formContainer--2LkV form.style-
module--form--1G1ba .mktoButtonRow button{transition:all .5s ease-in-out;transition:all .5s cubic-
bezier(.785,.135,.15,.86);border-radius:6px;border-style:solid;border-width:1px;display:inline-block;font-
size:12px;font-weight:700;letter-spacing:.9px;line-height:1.5;padding:12px 30px;text-align:center;text-
decoration:none;text-transform:uppercase;background-color:#173361!important;border-
color:#173361!important;color:#fff!important;width:auto!important;font-size:12px!important;font-
weight:400!important}.style-module--formModule--2QTTWW .style-module--formContainer--2LkV form.style-
module--form--1G1ba .mktoButtonRow button:hover{cursor:pointer;text-decoration:none;border:1px solid
#173361!important}.style-module--formModule--2QTTWW .style-module--formContainer--2LkV
.mktoRequiredField label.mktoHasWidth{color:#173361;width:auto!important}.style-module--
thankyouCtaModule--3D9ye{margin-bottom:100px}.style-module--thankyouCtaModule--3D9ye .style-module--
contentContainer--N9Zhx{display:-ms-flexbox;display:flex}@media screen and (max-width:991px){.style-module-
thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx{-ms-flex-direction:column;flex-
direction:column}}.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx .style-
module--card--2kGFK{-ms-flex:1 1;flex:1 1;margin-right:10px;position:relative}@media screen and (max-
width:991px){.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx .style-module--
card--2kGFK{margin-right:0;margin-bottom:50px}}.style-module--thankyouCtaModule--3D9ye .style-module--
contentContainer--N9Zhx .style-module--card--2kGFK:last-child{margin-right:0}@media screen and (max-
width:991px){.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx .style-module--
card--2kGFK:last-child{margin-bottom:0}}.style-module--thankyouCtaModule--3D9ye .style-module--
contentContainer--N9Zhx .style-module--card--2kGFK>div{text-align:center}.style-module--thankyouCtaModule--
3D9ye .style-module--contentContainer--N9Zhx .style-module--card--2kGFK>div a{margin-top:20px}.style-
module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx .style-module--card--2kGFK
h3{color:#173361;font-size:12px;font-weight:500;letter-spacing:1.2px;text-transform:uppercase;margin:20px 0

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30px}.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx .style-module--card--2kGFK .style-module--icon--2vg1C{position:absolute;top:0;left:50%;-ms-transform:translate(-50%,-50%);transform:translate(-50%,-50%)}.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx .style-module--card--2kGFK .style-module--icon--2vg1C
svg{height:60px;width:auto}.style-module--page--2eWr8 .style-module--heroSection--2gXmv{margin-bottom:25px}.style-module--page--2eWr8 .style-module--heroSection--2gXmv>div{-ms-flex-pack:start;justify-content:flex-start;text-align:left}.style-module--page--2eWr8 .style-module--pageContent--21Evr{margin-bottom:100px}.style-module--page--2eWr8 .style-module--pageContent--21Evr>section{padding-top:0;padding-bottom:0;min-height:640px}.style-module--page--2eWr8 .style-module--pageContent--21Evr p{margin:15px 0}.style-module--page--2eWr8 .style-module--content--3ZqvM{display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;text-align:left;position:relative}.style-module--page--2eWr8 .style-module--content--3ZqvM .style-module--columns--rMAvt{display:-ms-flexbox;display:flex}@media screen and (max-width:767px){.style-module--page--2eWr8 .style-module--content--3ZqvM .style-module--columns--rMAvt{-ms-flex-align:center;align-items:center;-ms-flex-direction:column;flex-direction:column}}.style-module--page--2eWr8 .style-module--content--3ZqvM .style-module--columns--rMAvt>div{-ms-flex:1 1;flex:1 1}@media screen and (min-width:768px){.style-module--page--2eWr8 .style-module--content--3ZqvM .style-module--columns--rMAvt>div:first-child{min-width:360px;width:100%;max-width:600px}}.style-module--page--2eWr8 .style-module--content--3ZqvM .style-module--columns--rMAvt>div.style-module--spacer--1vFos{max-width:480px;width:100%;position:relative}@media screen and (min-width:768px){.style-module--page--2eWr8 .style-module--content--3ZqvM .style-module--columns--rMAvt>div.style-module--spacer--1vFos{margin-left:40px}}.style-module--page--2eWr8 .style-module--content--3ZqvM .style-module--columns--rMAvt>div.style-module--spacer--1vFos.style-module--noPointer--aUuu8{pointer-events:none}.style-module--page--2eWr8 #mktoForm_1734 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_3762 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_3768 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_3774 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_3924 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_4143 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_4154 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_4162 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_4164 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_4169 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_4248 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_4371 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_4381 .mktoFormRow:first-of-type{-ms-flex-order:14;order:14}.style-module--page--2eWr8 #mktoForm_1734 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_3762 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_3768 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_3774 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_3924 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_4143 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_4154 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_4162 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_4164 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_4169 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_4248 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_4371 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_4381 .mktoFormRow .mktoHtmlText{margin-top:15px;width:100%!important}.style-module--page--2eWr8 #mktoForm_1734 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_3762 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_3768 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_3774 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_3924 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_4143 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_4154 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_4162 .mktoFormRow

.mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_4164 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_4169 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_4248 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_4371 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_4381 .mktoFormRow .mktoHtmlText span{color:#829494!important}.style-module--page--2eWr8 #mktoForm_1734 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_1734 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_3762 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_3762 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_3768 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_3774 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_3774 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_3924 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_3924 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_4143 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4143 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_4154 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4154 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_4162 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_4164 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4164 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_4169 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4169 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_4248 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4248 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_4371 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4371 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_4381 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4381 .mktoFormRow .mktoHtmlText span span{text-decoration:none!important}.style-module--page--2eWr8 #mktoForm_1734 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_3762 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_3768 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_3774 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_3924 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4143 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4154 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4162 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4164 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4169 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4248 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4371 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4381 .mktoFormRow .mktoHtmlText span a{color:#257bd7!important}.style-module--thankyouPage--q8Sx_ iframe{max-width:100%}.style-module--thankyouPage--q8Sx_ .style-module--heroSection--2gXmv>div{padding:70px}.style-module--thankyouPage--q8Sx_ .style-module--heroSection--2gXmv .style-module--content--3ZqvM{width:90%}.style-module--thankyouPage--q8Sx_ .style-module--heroSection--2gXmv .style-module--content--3ZqvM .style-module--button--xWcox{margin-top:50px}.style-module--thankyouPage--q8Sx_ .style-module--heroSection--2gXmv .style-module--content--3ZqvM .orange_button{transition:all .5s ease-in-out;transition:all .5s cubic-bezier(.785,.135,.15,.86);border-radius:6px;display:inline-block;font-size:12px;font-weight:700;letter-spacing:.9px;line-height:1.5;padding:12px 30px;text-align:center;text-decoration:none;text-transform:uppercase;background-color:#fff;border:1px solid #fff;color:#173361;display:block;width:260px;margin:50px auto 0}.style-module--thankyouPage--q8Sx_ .style-module--heroSection--2gXmv .style-module--content--3ZqvM .orange_button:hover{cursor:pointer;text-decoration:none}.style-module--thankyouPage--q8Sx_ .style-module--webinarContent--1UBae .style-module--

video--zS5ur [id^=vidyard_]{max-width:599px!important;width:100%!important}.style-module--thankyouPage--q8Sx_ .style-module--webinarContent--1UBae .style-module--video--zS5ur .style-module--caption--3c1g-.style-module--thankyouPage--q8Sx_ .style-module--webinarContent--1UBae .style-module--video--zS5ur p{font-size:14px}.style-module--thankyouPage--q8Sx_ .style-module--webinarContent--1UBae .style-module--video--zS5ur:not(.style-module--slide--NvD8Q) .row .col-sm-6{width:100%}.style-module--thankyouPage--q8Sx_ .style-module--webinarContent--1UBae .style-module--video--zS5ur.style-module--slide--NvD8Q .row{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap}@media screen and (max-width:767px){.style-module--thankyouPage--q8Sx_ .style-module--webinarContent--1UBae .style-module--video--zS5ur.style-module--slide--NvD8Q .row .col-sm-6{width:100%;text-align:center}.style-module--thankyouPage--q8Sx_ .style-module--webinarContent--1UBae .style-module--video--zS5ur.style-module--slide--NvD8Q .row .col-sm-6+.col-sm-6{margin-top:20px}}.style-module--thankyouPage--q8Sx_ .style-module--webinarContent--1UBae .style-module--thankyouMessage--1L9PD{margin-top:40px}@media screen and (max-width:767px){.style-module--testimonials--2eY00 .style-module--header--C0_Br{margin:20px 0}}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S{margin-top:0;margin-bottom:0;padding:0;list-style:none;display:-ms-flexbox!important;display:flex!important;overflow-x:scroll}@media screen and (min-width:992px){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S{-ms-flex-pack:center;justify-content:center;margin-left:auto;margin-right:auto;overflow-x:hidden}}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S li{display:-ms-flexbox;display:flex;-ms-flex-align:end;align-items:flex-end;margin-left:20px;margin-right:20px}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S li:first-child{margin-left:0}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S li:last-child{margin-right:0}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S div{padding:20px;position:relative;border-bottom:2px solid #fff;cursor:pointer}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S span{display:inline-block}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_demonware--2NWgW span{background:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/c007816e3c3e863cc1ba2e56c5ffcdb24675cea7/demonware-inactive@1x.png") no-repeat;background-size:177px 52px;width:177px;height:52px}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_demonware--2NWgW span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/dfccd6b0f1f5dfa154397dc93c713adeb407b77c/demonware-inactive@2x.png")}}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_demonware--2NWgW:after{width:0;height:0;border-left:5px solid transparent;border-right:5px solid transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-50%);transform:translateX(-50%)} .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_demonware--2NWgW:hover,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_demonware--2NWgW:hover:after{border-bottom-color:#2bc7f6}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_demonware--2NWgW: hover span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/3ede249ffc57be8a8c1ebf27df25d3f79819f71/demonware-active@1x.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_demonware--2NWgW: hover span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/137fe5177082deef18bd8d1ca809c3ba4c98ea09/demonware-active@2x.png")}}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_demonware--2NWgW,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_demonware--2NWgW:after{border-bottom-color:#2bc7f6}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_demonware--2NWgW span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/3ede249ffc57be8a8c1ebf27df25d3f79819f71/demonware-active@1x.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-

module--logo_demonware--2NWgW span{background-
 image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/137fe5177082deef18bd8d1ca809c3ba4c98e
 a09/demonware-active@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
 -logo_uronext--3Amyq
 span{background:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/0e71eaf193cff199816be9f59b67
 add6e04b3d16/uronext-inactive@1x.png") no-repeat;background-size:155px
 52px;width:155px;height:52px}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and
 (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
 logo_uronext--3Amyq span{background-
 image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/102e3d9fe091abc385c4c1a52a090c39763a0
 010/uronext-inactive@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
 logo_uronext--3Amyq:after{width:0;height:0;border-left:5px solid transparent;border-right:5px solid
 transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-
 50%);transform:translateX(-50%)}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
 logo_uronext--3Amyq:hover,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
 logo_uronext--3Amyq:hover:after{border-bottom-color:#009484}.style-module--testimonials--2eY00 .style-
 module--pager--1Lh_S .style-module--logo_uronext--3Amyq:hover span{background-
 image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/6a70a772d4c833324186561d036dfca1c229
 7fca/uronext-active@1x.png"))@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and
 (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
 logo_uronext--3Amyq:hover span{background-
 image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/86ef10cb5881342b97a6c9119c9616aaa77ca
 2ba/uronext-active@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active
 .style-module--logo_uronext--3Amyq,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-
 active .style-module--logo_uronext--3Amyq:after{border-bottom-color:#009484}.style-module--testimonials--
 2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_uronext--3Amyq span{background-
 image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/6a70a772d4c833324186561d036dfca1c229
 7fca/uronext-active@1x.png"))@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and
 (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-
 module--logo_uronext--3Amyq span{background-
 image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/86ef10cb5881342b97a6c9119c9616aaa77ca
 2ba/uronext-active@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
 logo_audi--1TXrG
 span{background:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/07a005ec92f2dc0f02941ca0b1ce
 1bec5c3c7669/audi-inactive@1x.png") no-repeat;background-size:99px 52px;width:99px;height:52px}@media
 only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--
 testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_audi--1TXrG span{background-
 image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/aa9024c2305edd3c9c89eb4b859c06153ce83
 d71/audi-inactive@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
 logo_audi--1TXrG:after{width:0;height:0;border-left:5px solid transparent;border-right:5px solid
 transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-
 50%);transform:translateX(-50%)}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
 logo_audi--1TXrG:hover,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
 logo_audi--1TXrG:hover:after{border-bottom-color:#f53d42}.style-module--testimonials--2eY00 .style-module--
 pager--1Lh_S .style-module--logo_audi--1TXrG:hover span{background-
 image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/a562069b623aa86fc226014cc9dec768a6af7
 59c/audi-active@1x.png"))@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-
 resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_audi--


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1TXrG:hover span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/80c01a3d2964e2c4190542098d570785f9f96
844/audi-active@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-
module--logo_audi--1TXrG,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-
module--logo_audi--1TXrG:after{border-bottom-color:#f53d42}.style-module--testimonials--2eY00 .style-module--
pager--1Lh_S .slick-active .style-module--logo_audi--1TXrG span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/a562069b623aa86fc226014cc9dec768a6af7
59c/audi-active@1x.png"))}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-
resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--
logo_audi--1TXrG span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/80c01a3d2964e2c4190542098d570785f9f96
844/audi-active@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_tivo--2zWPP
span{background:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/7ad37ca2b928e30340dd1915e50
6ed4c87d1b80b/tivo-inactive@1x.png")}no-repeat;background-size:94px 52px;width:94px;height:52px}@media
only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--
testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_tivo--2zWPP span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/f8f80f57af322ca3011028ff76a8a88697103f
e0/tivo-inactive@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_tivo--2zWPP:after{width:0;height:0;border-left:5px solid transparent;border-right:5px solid
transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-
50%);transform:translateX(-50%)}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_tivo--2zWPP:hover,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_tivo--2zWPP:hover:after{border-bottom-color:#0398cc}.style-module--testimonials--2eY00 .style-module--
pager--1Lh_S .style-module--logo_tivo--2zWPP:hover span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/b72ed025599af4bef5003d7b7c4624db94dfd
6d4/tivo-active@1x.png"))}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-
resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_tivo--
2zWPP:hover span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/fe5b8286b9637b2a6ce3c5e65f9185aa145db
9c3/tivo-active@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-
module--logo_tivo--2zWPP,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-
module--logo_tivo--2zWPP:after{border-bottom-color:#0398cc}.style-module--testimonials--2eY00 .style-module--
pager--1Lh_S .slick-active .style-module--logo_tivo--2zWPP span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/b72ed025599af4bef5003d7b7c4624db94dfd
6d4/tivo-active@1x.png"))}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-
resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--
logo_tivo--2zWPP span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/fe5b8286b9637b2a6ce3c5e65f9185aa145db
9c3/tivo-active@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_recursion--WqzQK
span{background:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/7c00f1dcadcea2cc04db4e5da9d3
f63f88fed239/recursion-inactive@1x.png")}no-repeat;background-size:148px
59px;width:148px;height:59px}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and
(min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_recursion--WqzQK span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/326e1553106d5ccf0a708363688645e0fa163
cb2/recursion-inactive@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module-

```

-logo_recursion--WqzQK:after{width:0;height:0;border-left:5px solid transparent;border-right:5px solid transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-50%);transform:translateX(-50%)}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_recursion--WqzQK:hover,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_recursion--WqzQK:hover:after{border-bottom-color:#9e4e9b}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_recursion--WqzQK:hover span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/614ce0dc7760e2497100a0011d80a7777438604b/recursion-active@1x.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_recursion--WqzQK:hover span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/8451aabc5bacc0d92dc5ddc9f77f114d8af38c02/recursion-active@2x.png")}}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_recursion--WqzQK,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_recursion--WqzQK:after{border-bottom-color:#9e4e9b}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_recursion--WqzQK span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/614ce0dc7760e2497100a0011d80a7777438604b/recursion-active@1x.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_recursion--WqzQK span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/8451aabc5bacc0d92dc5ddc9f77f114d8af38c02/recursion-active@2x.png")}}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_lyft--1JA6P span{background:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/b9a5d25b421feeb7ce7bf1da1cbcde167d5f2718/lyft-inactive@1x.png") no-repeat;background-size:54px 59px;width:54px;height:59px}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_lyft--1JA6P span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/b393ae7b01d02b01e19760682ef3c4fe4b24b6b5/lyft-inactive@2x.png")}}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_lyft--1JA6P:after{width:0;height:0;border-left:5px solid transparent;border-right:5px solid transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-50%);transform:translateX(-50%)}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_lyft--1JA6P:hover,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_lyft--1JA6P:hover:after{border-bottom-color:#ea0a8c}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_lyft--1JA6P:hover span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/6dafee3586397cc46c412282c822f6e911732054/lyft-active@1x.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_lyft--1JA6P:hover span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/7d01fbc53d2cd6596907cd5e227fd21fcf41c6a/lyft-active@2x.png")}}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_lyft--1JA6P,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_lyft--1JA6P:after{border-bottom-color:#ea0a8c}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_lyft--1JA6P span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/6dafee3586397cc46c412282c822f6e911732054/lyft-active@1x.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_lyft--1JA6P span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/7d01fbc53d2cd6596907cd5e227fd21fcf41c

ba/lyft-active@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
 logo_bosch--1am6O
 span{background:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/fd140b4c26f3c1d87ee13771867
 9d179bcb65d/bosch-inactive@1x.png") no-repeat;background-size:107px 59px;width:107px;height:59px}@media
 only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx)}.style-module--
 testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_bosch--1am6O span{background-
 image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/f04f8c26bb76670a060dc747bf61a5730ac64
 350/bosch-inactive@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
 logo_bosch--1am6O:after{width:0;height:0;border-left:5px solid transparent;border-right:5px solid
 transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-
 50%);transform:translateX(-50%)}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
 logo_bosch--1am6O:after{border-bottom-color:#ea0215}.style-module--testimonials--2eY00 .style-module--
 pager--1Lh_S .style-module--logo_bosch--1am6O:after span{background-
 image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/530eb0282bb3d318576eb05cb58ef0afb3e3
 3e3/bosch-active@1x.png"))@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-
 resolution:1.25dppx)}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_bosch--
 1am6O:after span{background-
 image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/6505032981159f7aaacf97ff8cb80f2d2576ab
 b5/bosch-active@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-
 module--logo_bosch--1am6O,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-
 module--logo_bosch--1am6O:after{border-bottom-color:#ea0215}.style-module--testimonials--2eY00 .style-
 module--pager--1Lh_S .slick-active .style-module--logo_bosch--1am6O span{background-
 image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/530eb0282bb3d318576eb05cb58ef0afb3e3
 3e3/bosch-active@1x.png"))@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-
 resolution:1.25dppx)}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--
 logo_bosch--1am6O span{background-
 image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/6505032981159f7aaacf97ff8cb80f2d2576ab
 b5/bosch-active@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
 logo_nuuly--9d-UE
 span{background:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/00596b513d0ed47a67b69b966f9
 ea42e6a8474b2/nuuly-inactive@1x.png") no-repeat;background-size:104px
 59px;width:104px;height:59px}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and
 (min-resolution:1.25dppx)}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
 logo_nuuly--9d-UE span{background-
 image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/65f0a6c5b63c689da45792e095deb364aa7be
 ef8/nuuly-inactive@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
 logo_nuuly--9d-UE:after{width:0;height:0;border-left:5px solid transparent;border-right:5px solid
 transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-
 50%);transform:translateX(-50%)}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
 logo_nuuly--9d-UE:after{border-bottom-color:#000}.style-module--testimonials--2eY00 .style-module--
 pager--1Lh_S .style-module--logo_nuuly--9d-UE:after span{background-
 image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/f0e1ff6ba8439f6e254a46b2495e03288d8e7
 873/nuuly-active@1x.png"))@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-
 resolution:1.25dppx)}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_nuuly--
 9d-UE:after span{background-
 image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/cdaa71ec4ef4c1fdae06c54ab580e9b437e87

```
64/nuuly-active@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-
module--logo_nuuly--9d-UE,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-
module--logo_nuuly--9d-UE:after{border-bottom-color:#000}.style-module--testimonials--2eY00 .style-module--
pager--1Lh_S .slick-active .style-module--logo_nuuly--9d-UE span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/f0e1ff6ba8439f6e254a46b2495e03288d8e7
873/nuuly-active@1x.png"))}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-
resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--
logo_nuuly--9d-UE span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/cdaa71ec4ef4c1fdaeb06c54ab580e9b437e87
64/nuuly-active@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_forbes--3sEAE
span{background:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/aa004cfdd67a847a80f9ab9b14d3
ba25eae87464/forbes-inactive.png") no-repeat;background-size:74px 25px;width:74px;height:25px}@media only
screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--
testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_forbes--3sEAE span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/aa004cfdd67a847a80f9ab9b14d3ba25eae87
464/forbes-inactive.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_forbes--3sEAE:after{width:0;height:0;border-left:5px solid transparent;border-right:5px solid
transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-
50%);transform:translateX(-50%)}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_forbes--3sEAE:hover,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_forbes--3sEAE:hover:after{border-bottom-color:#2365a3}.style-module--testimonials--2eY00 .style-module--
pager--1Lh_S .style-module--logo_forbes--3sEAE:hover span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/1c18709bf0bf8c047b2e6543f81c672dec4a4
3ed/forbes-active.png"))}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-
resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_forbes-
3sEAE:hover span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/1c18709bf0bf8c047b2e6543f81c672dec4a4
3ed/forbes-active.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-
module--logo_forbes--3sEAE,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-
module--logo_forbes--3sEAE:after{border-bottom-color:#2365a3}.style-module--testimonials--2eY00 .style-
module--pager--1Lh_S .slick-active .style-module--logo_forbes--3sEAE span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/1c18709bf0bf8c047b2e6543f81c672dec4a4
3ed/forbes-active.png"))}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-
resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--
logo_forbes--3sEAE span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/1c18709bf0bf8c047b2e6543f81c672dec4a4
3ed/forbes-active.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_morganstanley--3pcg6
span{background:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/f5772e42b1e72f549bc05e22772
8e5f3e8ee5411/morganstanley-inactive.png") no-repeat;background-size:122px
25px;width:122px;height:25px}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and
(min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_morganstanley--3pcg6 span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/f5772e42b1e72f549bc05e227728e5f3e8ee5
411/morganstanley-inactive.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-
module--logo_morganstanley--3pcg6:after{width:0;height:0;border-left:5px solid transparent;border-right:5px solid
transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-
```

50%);transform:translateX(-50%)} .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_morganstanley--3pcg6:hover,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_morganstanley--3pcg6:hover:after{border-bottom-color:#216ca6}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_morganstanley--3pcg6: hover span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/20663abf6b0ad3feeb970327415da5d115c44585/morganstanley-active.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_morganstanley--3pcg6: hover span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/20663abf6b0ad3feeb970327415da5d115c44585/morganstanley-active.png")}}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_morganstanley--3pcg6,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_morganstanley--3pcg6:after{border-bottom-color:#216ca6}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_morganstanley--3pcg6 span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/20663abf6b0ad3feeb970327415da5d115c44585/morganstanley-active.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_morganstanley--3pcg6 span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/20663abf6b0ad3feeb970327415da5d115c44585/morganstanley-active.png")}}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_linkedin--vbRj2 span{background:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/94ea0d1ba897c014dacf73f0a215a7c604b270fd/linkedin-inactive.png")}no-repeat;background-size:90px 25px;width:90px;height:25px}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_linkedin--vbRj2 span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/94ea0d1ba897c014dacf73f0a215a7c604b270fd/linkedin-inactive.png")}}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_linkedin--vbRj2:after{width:0;height:0;border-left:5px solid transparent;border-right:5px solid transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-50%);transform:translateX(-50%)} .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_linkedin--vbRj2:hover,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_linkedin--vbRj2:hover:after{border-bottom-color:#2867b2}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_linkedin--vbRj2: hover span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/c69c1f62eaa966c340cc6a1e9660bcfe1b9a7b13/linkedin-active.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_linkedin--vbRj2: hover span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/c69c1f62eaa966c340cc6a1e9660bcfe1b9a7b13/linkedin-active.png")}}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_linkedin--vbRj2,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_linkedin--vbRj2:after{border-bottom-color:#2867b2}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_linkedin--vbRj2 span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/c69c1f62eaa966c340cc6a1e9660bcfe1b9a7b13/linkedin-active.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_linkedin--vbRj2 span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/c69c1f62eaa966c340cc6a1e9660bcfe1b9a7b13/linkedin-active.png")}}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_googlecloud--2trjN

span{background:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/86d3073828687ab8edcb37e5984e8d1545a6550e/googlecloud-inactive.png") no-repeat;background-size:108px 22px;width:108px;height:22px}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_googlecloud--2trjN span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/86d3073828687ab8edcb37e5984e8d1545a6550e/googlecloud-inactive.png")}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_googlecloud--2trjN:after{width:0;height:0;border-left:5px solid transparent;border-right:5px solid transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-50%);transform:translateX(-50%)}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_googlecloud--2trjN:hover,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_googlecloud--2trjN:hover:after{border-bottom-color:#2b84e7}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_googlecloud--2trjN:after span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/17372a5dec0afcd56933c047fbb5a1fa23e2ecb6/googlecloud-active.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_googlecloud--2trjN:after span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/17372a5dec0afcd56933c047fbb5a1fa23e2ecb6/googlecloud-active.png")}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_googlecloud--2trjN,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_googlecloud--2trjN:after{border-bottom-color:#2b84e7}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_googlecloud--2trjN span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/17372a5dec0afcd56933c047fbb5a1fa23e2ecb6/googlecloud-active.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_googlecloud--2trjN span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/17372a5dec0afcd56933c047fbb5a1fa23e2ecb6/googlecloud-active.png")}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .container{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-align:end;align-items:flex-end;min-width:760px}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .container>div{padding:20px;position:relative;border-bottom:2px solid #fff;cursor:pointer}.style-module--testimonials--2eY00 .slick-list{padding:40px 0}.style-module--testimonials--2eY00 .slick-list .slick-track{display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center}.style-module--testimonials--2eY00 .style-module--testimonial--qVXIA{text-align:center}.style-module--testimonials--2eY00 .style-module--testimonial--qVXIA header{font-size:12px;font-weight:300;letter-spacing:2px;line-height:2.67;text-transform:uppercase}.style-module--testimonials--2eY00 .style-module--testimonial--qVXIA header .style-module--name--1KjXx{color:#173361;font-size:12px;font-weight:500;line-height:2.67;letter-spacing:2px}.style-module--testimonials--2eY00 .style-module--testimonial--qVXIA blockquote{border:0;color:#38cccd;font-size:30px;font-weight:700;font-style:italic;line-height:1.25;margin:20px auto;max-width:780px;padding:0}.style-module--testimonials--2eY00 .style-module--testimonial--qVXIA blockquote:after,.style-module--testimonials--2eY00 .style-module--testimonial--qVXIA blockquote:before{content:""}.style-module--testimonials--2eY00 .style-module--testimonial--qVXIA blockquote a{color:inherit}.style-module--testimonials--2eY00 .style-module--testimonial--qVXIA .style-module--ctaContainer--305F4{position:relative}.style-module--testimonials--2eY00 .style-module--testimonial--qVXIA .style-module--ctaContainer--305F4:after{content:"\203A";color:#0074a2;position:absolute;top:-7px;line-height:1;font-size:30px;right:-15px}@media screen and (max-width:767px){.style-module--testimonials--2eY00 .style-module--testimonial--qVXIA .style-module--ctaContainer--305F4:after{display:none}}.style-module--testimonials--2eY00 .style-module--testimonial--qVXIA .style-module--ctaContainer--305F4 a{color:#0074a2;text-decoration:underline}.style-module--card--1fsSo{transition:all .5s ease-in-out;transition:all .5s cubic-

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bezier(1,0,0,1);border-radius:8px;background-color:#fff;padding:30px 30px 0;margin:0 auto 40px }.style-module--
card--1fsSo .slick-list {padding:20px 0 0 }.style-module--card--34klN {transition:all .5s ease-in-out;transition:all .5s
cubic-bezier(1,0,0,1);border-radius:8px;background-color:#fff;padding:30px }.style-module--card--34klN.style-
module--clickable--2Yaw8 {cursor:pointer;border:2px solid transparent }.style-module--card--34klN.style-module-
clickable--2Yaw8: hover {border-color:#173361;-ms-transform:scale(1.05);transform:scale(1.05)}.style-module--
card--34klN .style-module--label--1lqnK {margin-bottom:13px;text-transform:uppercase }.style-module--card--
34klN .style-module--label--1lqnK h4 {background:#0074a2;border-radius:4px;color:#fff;display:inline-block;font-
size:12px;font-weight:500;letter-spacing:1.2px;margin:0;padding:5px 10px }.style-module--card--34klN .style-
module--label--1lqnK.style-module--denim--urWOq h4 {background:#173361 }.style-module--card--34klN .style-
module--label--1lqnK.style-module--academy--88tr5 h4 {background:#0074a2 }.style-module--card--34klN .style-
module--label--1lqnK.style-module--island--3Prvw h4 {background:#38cccd }.style-module--card--34klN .style-
module--label--1lqnK.style-module--robinSEggBlue--1da6r h4 {background:#b4e1e4 }.style-module--card--34klN
.style-module--label--1lqnK.style-module--sahara--iUZFc h4 {background:#c5832e }.style-module--card--34klN
.style-module--label--1lqnK.style-module--canary--28W1H h4 {background:#ffc40c }.style-module--card--34klN
.style-module--wrapper--1at_H {color:inherit;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;text-
align:left;margin:0;display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-
direction:column;height:100% }.style-module--card--34klN .style-module--wrapper--1at_H.style-module--
image_left--19IAJ,.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_right--
3CHGD {display:-ms-flexbox;display:flex } @media screen and (max-width:767px) { .style-module--card--34klN
.style-module--wrapper--1at_H.style-module--image_left--19IAJ,.style-module--card--34klN .style-module--
wrapper--1at_H.style-module--image_right--3CHGD {display:block } }.style-module--card--34klN .style-module--
wrapper--1at_H.style-module--image_left--19IAJ .style-module--imageWrapper--1FRHo,.style-module--card--
34klN .style-module--wrapper--1at_H.style-module--image_right--3CHGD .style-module--imageWrapper--1FRHo {
-ms-flex:2 1;flex:2 1;max-width:160px } @media screen and (max-width:767px) { .style-module--card--34klN .style-
module--wrapper--1at_H.style-module--image_left--19IAJ .style-module--imageWrapper--1FRHo,.style-module--
card--34klN .style-module--wrapper--1at_H.style-module--image_right--3CHGD .style-module--imageWrapper--
1FRHo {text-align:left;margin-bottom:15px } }.style-module--card--34klN .style-module--wrapper--1at_H.style-
module--image_left--19IAJ .style-module--imageWrapper--1FRHo img,.style-module--card--34klN .style-module-
wrapper--1at_H.style-module--image_right--3CHGD .style-module--imageWrapper--1FRHo img { max-
width:200px }.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_left--19IAJ .style-
module--copy--3YFnP,.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_right--
3CHGD .style-module--copy--3YFnP {-ms-flex:4 1;flex:4 1 }.style-module--card--34klN .style-module--wrapper--
1at_H.style-module--image_left--19IAJ {-ms-flex-direction:row;flex-direction:row }.style-module--card--34klN
.style-module--wrapper--1at_H.style-module--image_left--19IAJ .style-module--imageWrapper--1FRHo {margin-
right:25px }.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_right--3CHGD {-ms-
flex-direction:row-reverse;flex-direction:row-reverse }.style-module--card--34klN .style-module--wrapper--
1at_H.style-module--image_right--3CHGD .style-module--imageWrapper--1FRHo {margin-left:25px;text-
align:right }.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_top--39SWu .style-
module--imageWrapper--1FRHo {margin-bottom:15px;text-align:center }.style-module--card--34klN .style-module-
wrapper--1at_H.style-module--image_top--39SWu .style-module--copy--3YFnP {-ms-flex:1 1;flex:1 1;display:-ms-
flexbox;display:flex;-ms-flex-direction:column;flex-direction:column }.style-module--card--34klN .style-module-
wrapper--1at_H .style-module--imageWrapper--1FRHo img {width:100% }.style-module--card--34klN .style-
module--wrapper--1at_H .style-module--copy--3YFnP h3 {color:#000;font-size:18px;font-weight:700;line-
height:1.5;margin:0;padding:0 0 10px;overflow:hidden;text-overflow:ellipsis }.style-module--card--34klN .style-
module--wrapper--1at_H .style-module--copy--3YFnP h3 a {color:inherit:pointer-events:none;text-
decoration:none }.style-module--card--34klN .style-module--wrapper--1at_H .style-module--copy--3YFnP
p {color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;max-width:450px;margin:0
auto }.style-module--card--34klN .style-module--wrapper--1at_H .style-module--copy--3YFnP .style-module--meta-
```

-2DoOH{color:#0074a2;font-size:12px;font-weight:500;line-height:2.67;letter-spacing:2px;display:block;line-height:normal;text-transform:uppercase;margin-bottom:10px}.style-module--card--34kIN .style-module--wrapper--1at_H .style-module--copy--3YFnP .style-module--contentContainer--WACfF{margin-bottom:20px}.style-module--card--34kIN .style-module--wrapper--1at_H .style-module--copy--3YFnP .style-module--contentContainer--WACfF p{margin-left:0;margin-right:0}.style-module--card--34kIN .style-module--wrapper--1at_H .style-module--copy--3YFnP .style-module--contentContainer--WACfF .style-module--noCta--_nvte{margin-bottom:0}.style-module--card--34kIN .style-module--wrapper--1at_H .style-module--copy--3YFnP .style-module--buttonContainer--GiF5v{margin:auto 0 0}.style-module--card--34kIN .style-module--wrapper--1at_H .style-module--copy--3YFnP .style-module--buttonContainer--GiF5v a{display:inline-block}.style-module--denim--urWOq.style-module--active--2sKU1{border:2px solid #173361;background-color:rgba(23,51,97,.05)}.style-module--denim--urWOq .style-module--label--1lqnK h4{background:none;color:#173361}.style-module--denim--urWOq .style-module--wrapper--1at_H .style-module--copy--3YFnP h3{color:#173361}.style-module--purple--nb0ge.style-module--active--2sKU1{border:2px solid #551d9d;background-color:rgba(85,29,157,.05)}.style-module--purple--nb0ge .style-module--label--1lqnK h4{background:none;color:#551d9d}.style-module--purple--nb0ge .style-module--wrapper--1at_H .style-module--copy--3YFnP h3{color:#551d9d}.style-module--green--3SxHv.style-module--active--2sKU1{border:2px solid #159e86;background-color:rgba(21,158,134,.05)}.style-module--green--3SxHv .style-module--label--1lqnK h4{background:none;color:#159e86}.style-module--green--3SxHv .style-module--wrapper--1at_H .style-module--copy--3YFnP h3{color:#159e86}.style-module--blue--1XZoW.style-module--active--2sKU1{border:2px solid #0dacc;background-color:rgba(13,172,204,.05)}.style-module--blue--1XZoW .style-module--label--1lqnK h4{background:none;color:#0dacc}.style-module--blue--1XZoW .style-module--wrapper--1at_H .style-module--copy--3YFnP h3{color:#0dacc}.style-module--orange--1rWcw.style-module--active--2sKU1{border:2px solid #e37d62;background-color:rgba(227,125,98,.05)}.style-module--orange--1rWcw .style-module--label--1lqnK h4{background:none;color:#e37d62}.style-module--orange--1rWcw .style-module--wrapper--1at_H .style-module--copy--3YFnP h3{color:#e37d62}.style-module--grey--3LMDj.style-module--active--2sKU1{border:2px solid #58788c;background-color:rgba(88,120,140,.05)}.style-module--grey--3LMDj .style-module--label--1lqnK h4{background:none;color:#58788c}.style-module--grey--3LMDj .style-module--wrapper--1at_H .style-module--copy--3YFnP h3{color:#58788c}.index-module--pageCommunity--2w1tS h2{font-size:26px;font-weight:400}.index-module--pageCommunity--2w1tS h3{font-size:18px!important;line-height:1.2!important}.index-module--pageCommunity--2w1tS ul{list-style:none;margin:0;padding:0}.index-module--pageCommunity--2w1tS .index-module--button--2A-hL{border-radius:4px;border:1px solid #2a2a2d;text-decoration:none;padding:10px 40px}.index-module--pageCommunity--2w1tS .index-module--bgGrey--Sx7Vk{background-color:#f0f0f2}.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu section>div{margin-bottom:0}.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu section p{max-width:590px;margin:15px auto}.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu .index-module--supportingLinks--1jeNd{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;margin:50px auto 0}@media screen and (max-width:767px){.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu .index-module--supportingLinks--1jeNd{margin-top:25px}}@media screen and (max-width:575px){.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu .index-module--supportingLinks--1jeNd{-ms-flex-direction:column;flex-direction:column}}.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu .index-module--supportingLinks--1jeNd>{*margin-right:15px}.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu .index-module--supportingLinks--1jeNd>:last-child{margin-right:0}@media screen and (max-width:575px){.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu .index-module--supportingLinks--1jeNd>:last-child{margin-bottom:0}}@media screen and (max-width:575px){.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu .index-module--supportingLinks--1jeNd>{*margin-right:0;margin-bottom:15px}}.index-module--pageCommunity--2w1tS .index-module--content--10g54>section{padding:60px 0;position:relative;text-align:center}.index-module--pageCommunity--2w1tS .index-module--content--10g54>section:first-child{padding:160px 0 120px}.index-

module--pageCommunity--2w1tS .index-module--content--10g54>section .index-module--paragraph--3g3tT{max-width:800px;margin:0 auto}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--mapContainer--1bbeS .index-module--map--24bh5{width:100%;height:650px}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ-{margin-top:40px}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-wrap:wrap;flex-wrap:wrap}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li{border:1px solid #f2f3f4;min-width:220px;text-align:left}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li a{padding:13px 10px;display:block;text-decoration:none}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li a span:first-child{display:inline-block;font:normal normal normal 14px/1 FontAwesome;text-rendering:auto;-webkit-font-smoothing:antialiased;-moz-osx-font-smoothing:grayscale;font-size:16px;color:#fff;background-color:#173361;padding:14px;margin-right:16px}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li a span:first-child:before{content:"\F067"}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li a span:last-child{color:#000;font-size:16px;font-weight:700}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li.index-module--current--2byzP{background-color:#f2f3f4}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li.index-module--current--2byzP a span:first-child:before{content:"\F068"}@media screen and (max-width:1199px){.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul{-ms-flex-pack:center;justify-content:center}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li{min-width:220px;margin-top:10px;margin-right:20px}}@media screen and (max-width:991px){.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul{-ms-flex-pack:justify;justify-content:space-between}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li{width:48%;margin-top:10px;margin-right:0}}@media screen and (max-width:767px){.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul{-ms-flex-pack:center;justify-content:center}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li{width:100%;margin-top:10px}}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ- .index-module--countryContent--ez0uK{background-color:#f2f3f4;clear:both;display:none;text-align:left}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ- .index-module--countryContent--ez0uK ul{clear:both;padding:20px 0 40px;overflow:hidden}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ- .index-module--countryContent--ez0uK li{display:inline-block;width:16%;min-width:180px;padding:15px 20px;float:left}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ- .index-module--countryContent--ez0uK ul li span{display:block;color:#000}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ- .index-module--countryContent--ez0uK ul li a span{color:#4597cb}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ- .index-module--countryContent--ez0uK.index-module--current--2byzP{display:block}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--sponsorRequestContainer--3FpUK ul{display:-ms-flexbox;display:flex;-ms-flex-pack:distribute;justify-content:space-around;margin:40px auto;max-width:800px}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--sponsorRequestContainer--3FpUK ul li{max-width:180px}@media screen and (max-width:991px){.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--sponsorRequestContainer--3FpUK ul{-ms-flex-wrap:wrap;flex-wrap:wrap}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--sponsorRequestContainer--3FpUK ul li{width:45%;margin-top:10px;max-width:none}}.index-module--

pageCommunity--2w1tS .index-module--content--10g54 .index-module--getInvolvedText--3IUwT{font-size:14px;margin:40px auto 20px}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--slackCatalystContainer--1tkVU{padding-bottom:0}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--slackCatalystContainer--1tkVU .index-module--cardContainer--1WjI3{display:-ms-flexbox;display:flex;-ms-flex-direction:row;flex-direction:row;-ms-flex-pack:justify;justify-content:space-between}@media screen and (max-width:767px){.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--slackCatalystContainer--1tkVU .index-module--cardContainer--1WjI3{-ms-flex-direction:column;flex-direction:column}}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--slackCatalystContainer--1tkVU .index-module--card--3JCqV{margin:0;width:32.5%;background:hsla(0,0%,96.1%,.85)}@media screen and (max-width:767px){.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--slackCatalystContainer--1tkVU .index-module--card--3JCqV{width:100%;margin-top:1rem}}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--slackCatalystContainer--1tkVU .index-module--cardImage--X4ASv{display:-ms-flexbox;display:flex;width:100%;height:15rem}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--slackCatalystContainer--1tkVU .index-module--cardImage--X4ASv img{margin:auto;width:100%}@media screen and (max-width:767px){.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--slackCatalystContainer--1tkVU .index-module--cardImage--X4ASv{margin-top:1rem;height:auto}}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--slackCatalystContainer--1tkVU .index-module--cardButtonContainer--3IKek{text-align:center}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--mdWhiteframe--3ftug{width:100%!important;text-align:left}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--mdWhiteframe--3ftug .index-module--iwToolbar--16maz{background-color:#ff671f;color:#fff;display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;width:100%}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--mdWhiteframe--3ftug .index-module--iwToolbar--16maz h3{color:#fff;margin:0;padding:10px}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--mdWhiteframe--3ftug .index-module--iwToolbar--16maz .index-module--mdSubhead--34QMb{font-size:16px;font-weight:300;letter-spacing:.01em;line-height:24px}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--mdWhiteframe--3ftug .index-module--iwDetails--2pLvk{color:rgba(0,0,0,.87);display:-ms-flexbox;display:flex;font-size:13px;padding:5px 10px 0;margin-top:5px}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--mdWhiteframe--3ftug .index-module--iwDetails--2pLvk span{padding-top:4px;width:230px;word-wrap:break-word}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--mdWhiteframe--3ftug .index-module--iwDetails--2pLvk span a{color:#4597cb;text-decoration:none;cursor:pointer;font-weight:500}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--mdWhiteframe--3ftug .index-module--iwDetails--2pLvk svg{font-size:24px;color:#4597cb;margin-right:10px}.index-module--meetupRequestSection--qgwBq h2{color:#173361}.index-module--meetupRequestSection--qgwBq .mktoHtmlText{font-size:17px}.index-module--meetupRequestSection--qgwBq .mktoForm .mktoFormRow{background:transparent}.index-module--meetupRequestSection--qgwBq .mktoFormCol{padding:8px 18px!important}@media screen and (max-width:991px){.index-module--meetupRequestSection--qgwBq .mktoFormCol{width:100%!important}}.index-module--meetupRequestSection--qgwBq .mktoForm .mktoField{background-color:#fff;border:none!important;color:#7b7b7b!important}.index-module--meetupRequestSection--qgwBq textarea{height:130px}.index-module--meetupRequestSection--qgwBq .mktoForm .mktoButton{border-radius:2px;background-color:#173361!important;font-size:18px;line-height:24px;color:#fff;min-width:136px;padding:10px 25px;margin-top:45px;display:block;max-width:250px;margin-left:auto;margin-right:auto}.index-module--meetupRequestSection--qgwBq .mktoForm .mktoErrorMsg{background-color:transparent}.style-module--listItem--3xX0X{display:-ms-flexbox;display:flex;padding:50px 0 50px 50px}@media screen and (max-width:991px){.style-module--listItem--3xX0X{padding-left:0;-ms-flex-

direction:column;flex-direction:column}}@media screen and (max-width:991px){.style-module--listItem--3xX0X:first-of-type{padding-top:0}}.style-module--listItem--3xX0X:not(:last-of-type){border-bottom:7px solid #f3f4f7}.style-module--listItem--3xX0X .style-module--mobileButton--1yrNY{display:none;max-width:175px;margin-top:40px}@media screen and (max-width:991px){.style-module--listItem--3xX0X .style-module--mobileButton--1yrNY{display:inline-block}}.style-module--listImage--1gsxy{margin-right:40px;-ms-flex-item-align:start;align-self:flex-start;width:70px}@media screen and (max-width:991px){.style-module--listImage--1gsxy{margin-bottom:40px}}.style-module--copyContainer--3eWSz{-ms-flex:0 1 50%;flex:0 1 50%;text-align:left}.style-module--copyContainer--3eWSz .style-module--title--19jPm{font-size:18px;font-weight:700;color:rgba(0,0,0,.85);margin-top:0;margin-bottom:15px}.style-module--copyContainer--3eWSz .style-module--copyParagraph--2sb3Z{width:auto;font-size:14px;font-weight:300;line-height:1.79;margin-bottom:40px;color:rgba(0,0,0,.85)}@media screen and (max-width:991px){.style-module--copyContainer--3eWSz .style-module--copyParagraph--2sb3Z{margin-bottom:0}}.style-module--copyContainer--3eWSz .style-module--listButton--3BcwF{min-width:175px;text-align:center}@media screen and (max-width:991px){.style-module--copyContainer--3eWSz .style-module--listButton--3BcwF{display:none}}.style-module--listContainer--2NB6w .style-module--unorderedList--Mod8X{padding-left:20px;margin:20px 0 0 40px}@media screen and (max-width:991px){.style-module--listContainer--2NB6w .style-module--unorderedList--Mod8X{margin-left:0}}.style-module--listContainer--2NB6w .style-module--unorderedListItem--1wqXF{text-align:left}.style-module--listContainer--2NB6w .style-module--noLink--3t5n5,.style-module--listContainer--2NB6w .style-module--unorderedListLink--3IE4p{font-size:14px;font-weight:300;line-height:1.79;margin-left:10px}.style-module--listContainer--2NB6w .style-module--noLink--3t5n5{color:rgba(0,0,0,.85)}.government-module--page--3ihGK .government-module--hero--2BDaj .government-module--heroContent--M1-ls{max-width:580px;width:100%}.government-module--page--3ihGK .government-module--hero--2BDaj .government-module--heroContent--M1-ls>a{max-width:245px}@media screen and (max-width:767px){.government-module--page--3ihGK .government-module--hero--2BDaj .government-module--heroContent--M1-ls>a{display:block;margin:20px auto}}@media screen and (min-width:768px){.government-module--page--3ihGK .government-module--missionSection--1n5_j p,.government-module--page--3ihGK .government-module--operations--264Pz p{max-width:640px;width:100%;margin:auto}}.government-module--page--3ihGK .government-module--missionSection--1n5_j p,.government-module--page--3ihGK .government-module--operationsCopy--2Qahm{font-size:14px;font-weight:300;line-height:1.79;text-align:center;color:rgba(0,0,0,.85);margin-bottom:30px}.government-module--page--3ihGK .government-module--federalDataStrategy--1Q3ge{display:block}.government-module--page--3ihGK .government-module--federalDataStrategy--1Q3ge .government-module--content--33zR-{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between}@media screen and (max-width:767px){.government-module--page--3ihGK .government-module--federalDataStrategy--1Q3ge .government-module--content--33zR-{-ms-flex-direction:column;flex-direction:column}}.government-module--page--3ihGK .government-module--federalDataStrategy--1Q3ge .government-module--card--1MI5R{max-width:49.5%;width:auto}@media screen and (max-width:767px){.government-module--page--3ihGK .government-module--federalDataStrategy--1Q3ge .government-module--card--1MI5R{max-width:none;margin-right:0;margin-bottom:20px}}.government-module--page--3ihGK .government-module--resourcesSection--IhntF{display:block}.government-module--page--3ihGK .government-module--resourcesSection--IhntF .government-module--content--33zR-{display:-ms-flexbox;display:flex}@media screen and (max-width:767px){.government-module--page--3ihGK .government-module--resourcesSection--IhntF .government-module--content--33zR-{-ms-flex-direction:column;flex-direction:column}}.government-module--page--3ihGK .government-module--resourcesSection--IhntF .government-module--content--33zR->div{-ms-flex:2 1;flex:2 1}.government-module--page--3ihGK .government-module--resourcesSection--IhntF .government-module--content--33zR- .government-module--card--1MI5R{background:hsla(0,0%,96.1%,.85)}.government-module--page--3ihGK .government-module--missionSection--1n5_j .government-module--logoContainer--3EBWR{list-style:none;padding:0;display:-ms-flexbox;display:flex;-ms-flex-pack:distribute;justify-content:space-around;max-width:992px;margin:40px auto

0}@media screen and (max-width:767px){.government-module--page--3ihGK .government-module--missionSection--1n5_j .government-module--logoContainer--3EBWR{-ms-flex-wrap:wrap;flex-wrap:wrap}}.government-module--page--3ihGK .government-module--missionSection--1n5_j .government-module--logoContainer--3EBWR li{margin:20px 0}.government-module--page--3ihGK .government-module--missionSection--1n5_j .government-module--logoContainer--3EBWR li{width:150px!important;height:auto!important}@media screen and (max-width:767px){.government-module--page--3ihGK .government-module--missionSection--1n5_j .government-module--logoContainer--3EBWR li{width:48%}}.government-module--page--3ihGK .government-module--missionSection--1n5_j .government-module--logoContainer--3EBWR li{width:auto}.government-module--page--3ihGK .government-module--contactSection--1IxQQ>div:first-child{margin:0 auto;max-width:520px}.government-module--page--3ihGK .government-module--formWrapper--3KVA9{width:700px;max-width:90%;margin:50px auto auto}@media screen and (min-width:768px){.government-module--page--3ihGK .government-module--formWrapper--3KVA9{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap}}.government-module--page--3ihGK .government-module--formWrapper--3KVA9 .government-module--textareaContainer--3XSY{padding:0;-ms-flex-preferred-size:100%;flex-basis:100%;height:120px}.government-module--page--3ihGK .government-module--compliance--Q5rFv{font-size:14px;color:#829494;margin:25px 0}.government-module--page--3ihGK .government-module--thankYou--3pp4v{margin-top:50px}.government-module--formInput--1cCde{margin:10px 0;padding:10px;border:2px solid rgba(130,148,148,.25);border-radius:4px;width:100%}@media screen and (min-width:768px){.government-module--formInput--1cCde{-ms-flex-preferred-size:calc(50% - 10px);flex-basis:calc(50% - 10px);margin:5px}}.government-module--formInput--1cCde textarea{width:100%;height:100%;padding:10px;border:none;resize:none;font-size:14px}.government-module--formInput--1cCde textarea::-webkit-input-placeholder{color:#829494;font-size:14px}.government-module--formInput--1cCde textarea::-moz-placeholder{color:#829494;font-size:14px}.government-module--formInput--1cCde textarea:-ms-input-placeholder{color:#829494;font-size:14px}.government-module--formInput--1cCde textarea::placeholder{color:#829494;font-size:14px}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--headerThree--CC-6d{color:#173361;font-size:28px;font-weight:500;margin-bottom:30px;text-align:left}@media screen and (max-width:767px){.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--headerThree--CC-6d{font-size:21px}}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--fullWidthWrapper--1VTyF{text-align:left;margin:40px 0}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--fullWidthWrapper--1VTyF p{color:#173361;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}@media screen and (max-width:991px){.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--pageSectionContent--27N0j{padding:50px 0}}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO table{width:100%}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--tableRowNames--3Tf_O,.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--tableTitle--qGSzL,.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO td{padding:10px 0;width:25%;text-align:center}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--tableTitle--qGSzL,.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO td:first-of-type{text-align:left;padding-left:20px}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--tableTitle--qGSzL{text-transform:uppercase;color:#0074a2;font-size:12px;background-color:#b4e1e4}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO td{color:#173361;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO td span{display:block}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO td:first-of-type{color:#000;font-weight:700}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--tableHeaders--1E2Se{display:-ms-

flexbox;display:flex}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--tableRowNames--3Tf_O{color:#c5832e;font-size:18px;font-weight:700;letter-spacing:normal;text-transform:uppercase;font-weight:500}@media screen and (max-width:991px){.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--tableRowNames--3Tf_O{font-size:14px}}@media screen and (max-width:991px){.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--tableRowNames--3Tf_O span{display:block}}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO svg{width:25px;height:25px;-ms-transform:rotate(-90deg);transform:rotate(-90deg);background:transparent;border-radius:50%}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO circle{fill:transparent;stroke:#173361;stroke-width:16;stroke-dasharray:0 50}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO tr:nth-of-type(odd){background-color:#e6f5fb}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--harveyBall-4--2H9nU{stroke-dasharray:51 51}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--harveyBall-3--2T3IP{stroke-dasharray:37.5 50}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--harveyBall-2--1RpIo{stroke-dasharray:25 50}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--harveyBall-1--1u5c0{stroke-dasharray:12.5 50}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--harveyBall-0--3OY8d{stroke-dasharray:0 0;stroke-width:1}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardSectionWrapper--2g240{margin-top:50px}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardSectionWrapper--2g240 h3{margin:50px 0}@media screen and (min-width:768px){.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap}}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF{border:2px solid rgba(130,148,148,.25);margin:10px 0}@media screen and (min-width:768px){.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF{-ms-flex:1 1;flex:1 1;margin:5px;-ms-flex-preferred-size:calc(50% - 10px);flex-basis:calc(50% - 10px);max-width:calc(50% - 10px)}}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF.apache-vs-pulsar-module--fullWidth--2kPSI{-ms-flex-preferred-size:100%;flex-basis:100%;max-width:100%}@media screen and (min-width:768px){.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF.apache-vs-pulsar-module--fullWidth--2kPSI .apache-vs-pulsar-module--cardContentContainer--2cPsQ{display:-ms-flexbox;display:flex}}@media screen and (min-width:768px){.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF.apache-vs-pulsar-module--fullWidth--2kPSI .apache-vs-pulsar-module--cardContentContainer--2cPsQ div{-ms-flex:1 1;flex:1 1}}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF.apache-vs-pulsar-module--fullWidth--2kPSI .apache-vs-pulsar-module--cardContentContainer--2cPsQ div:not(:last-of-type){margin-bottom:30px}@media screen and (min-width:768px){.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF.apache-vs-pulsar-module--fullWidth--2kPSI .apache-vs-pulsar-module--cardContentContainer--2cPsQ div:not(:last-of-type){margin-right:30px;margin-bottom:0}}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF.apache-vs-pulsar-module--fullWidth--2kPSI p:not(:last-of-type){margin-bottom:20px}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF.apache-vs-pulsar-module--fullWidth--2kPSI .apache-vs-pulsar-module--image--1fr2P{width:400px;max-width:100%;height:auto;-o-object-fit:cover;object-fit:cover;-ms-flex-item-align:start;align-self:flex-start}@media screen and (max-width:991px){.apache-vs-pulsar-

module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF .apache-vs-pulsar-module--fullWidth--2kPSl .apache-vs-pulsar-module--image--1fr2P{margin-top:20px} .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF .apache-vs-pulsar-module--imageContentContainer--3yU8p{display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;height:100%} .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF .apache-vs-pulsar-module--imageContentContainer--3yU8p div{-ms-flex:1 1;flex:1 1} .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF .apache-vs-pulsar-module--imageContentContainer--3yU8p a{text-align:center} .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF .apache-vs-pulsar-module--imageContentContainer--3yU8p img{margin-top:25px;height:320px} .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF h3{color:#173361} .apache-vs-pulsar-module--apacheVsPulsar--PT3YX section{padding-bottom:0} .apache-vs-pulsar-module--apacheVsPulsar--PT3YX section .apache-vs-pulsar-module--summary--1QHv0{padding-bottom:100px} .apache-vs-pulsar-module--apacheVsPulsar--PT3YX section .apache-vs-pulsar-module--summary--1QHv0 p{color:#173361;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;margin:20px 0} .style-module--customerStories--WM-QE{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-wrap:wrap;flex-wrap:wrap} .style-module--customerStories--WM-QE .style-module--card--T-iTb{width:calc(33% - 10px)} @media screen and (max-width:767px){.style-module--customerStories--WM-QE .style-module--card--T-iTb{margin-bottom:20px;width:100%}} .style-module--customerStories--WM-QE .style-module--card--T-iTb .style-module--noCard--1o0Rp{box-shadow:none} .style-module--customerStories--WM-QE .style-module--imageContainer--2lXR1:not(.style-module--fullWidth--1_LRn){height:80px} .style-module--customerStories--WM-QE .style-module--imageContainer--2lXR1:not(.style-module--fullWidth--1_LRn) img{height:100%;width:auto} .style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between} .style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs{color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;text-align:left;min-width:350px} .style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs h4{color:#8e9093;font-size:12px;font-weight:500;line-height:2.67;letter-spacing:2px;text-transform:uppercase} .style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs h5{color:rgba(0,0,0,.85);font-size:18px;font-weight:700;letter-spacing:normal} .style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs h5 a{color:#173361;position:relative} .style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs h5 .style-module--arrow--3aY5x{position:absolute;right:-15px;top:6px} .style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs ul{list-style:none;margin:0 0 20px;padding:0} .style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li{margin-bottom:5px;display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;position:relative} .style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li h6{display:inline-block;padding-bottom:5px} .style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li .style-module--tooltipContainer--1tJBT{display:inline-block!important;margin-left:0} .style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li .style-module--tooltipContainer--1tJBT h6{border-bottom-color:#babe00;cursor:help} .style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li .style-module--tooltipContainer--1tJBT ul{margin:0} .style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--

feature--1cmjs .style-module--featureListing--1aaUS li.style-module--tagline--283Q_{ top:5px;margin-top:5px }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li.style-module--tagline--283Q_ .style-module--taglineText--2HXa_{ color:#81cfe2;font-size:8px;font-weight:700;letter-spacing:1.43px;position:absolute;top:-12px;left:0;text-transform:uppercase }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li .style-module--licenseContainer--19yT6{ position:relative;right:-5px;display:-ms-inline-flexbox;display:inline-flex;-ms-flex-direction:column;flex-direction:column }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li .style-module--licenseContainer--19yT6+.style-module--taglineText--2HXa_{ left:11px }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li .style-module--licenseContainer--19yT6+h6{ border-bottom:none;padding-bottom:0 }.style-module--productFeatureListingLicenseLegend--NqHMT{ padding:0;list-style:none;text-align:left }.style-module--productFeatureListingLicenseLegend--NqHMT .style-module--licenseContainer--19yT6{ display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;margin-bottom:3px }.style-module--productFeatureListingLicenseLegend--NqHMT .style-module--licenseContainer--19yT6>i{ position:relative;left:-5px;margin-bottom:0 }.style-module--productFeatureListingLicenseLegend--NqHMT .style-module--licenseContainer--19yT6>span{ color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-spacing:0 }.style-module--license--3SFD4{ margin-top:2px;margin-bottom:2px;border-radius:50%;height:10px;width:10px;display:inline-block }.style-module--license--3SFD4:first-child{ margin-top:0 }.style-module--license--3SFD4:last-child{ margin-bottom:0 }.style-module--license--3SFD4.style-module--oss--1HiEF{ background:#000 }.style-module--license--3SFD4.style-module--community--UzeSP{ background:#b78142 }.style-module--license--3SFD4.style-module--commercial--2qBc3{ background:#81cfe2 }.style-module--form--Fb2IX{ max-width:470px;margin:0 auto;width:100% }.style-module--form--Fb2IX h4{ color:#173361;font-size:18px;font-weight:700;margin-bottom:25px }.style-module--form--Fb2IX .style-module--input--2JBor{ line-height:1.9;padding-left:20px;padding-right:20px }.style-module--form--Fb2IX .style-module--agreement--3H1Wu{ color:#829494;font-size:10px;font-weight:300;line-height:2;margin-top:15px }.style-module--form--Fb2IX .style-module--agreement--3H1Wu a{ color:#829494;text-decoration:underline }.style-module--form--Fb2IX .style-module--ctaContainer--3Ib9C{ margin-top:30px }.style-module--thankyou--IoZ3P{ color:#173361;font-size:28px;font-weight:700 }.trust-and-security-module--trustAndSecurity--3rRmD .trust-and-security-module--content--LEELj{ padding-bottom:0 }.trust-and-security-module--trustAndSecurity--3rRmD .trust-and-security-module--content--LEELj:last-of-type{ padding-bottom:100px }.trust-and-security-module--trustAndSecurity--3rRmD .trust-and-security-module--content--LEELj h3{ font-size:40px;font-weight:500 }.trust-and-security-module--trustAndSecurity--3rRmD .trust-and-security-module--noCardSection--rkpKy{ color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0 } @media screen and (min-width:768px){ .trust-and-security-module--trustAndSecurity--3rRmD .trust-and-security-module--noCardSection--rkpKy{ width:50% } } @media screen and (min-width:768px){ .trust-and-security-module--trustAndSecurity--3rRmD .trust-and-security-module--cardSection--2DSJW{ display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:center;justify-content:center } }.trust-and-security-module--trustAndSecurity--3rRmD .trust-and-security-module--cardSection--2DSJW p{ margin-bottom:100px;color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0 }.trust-and-security-module--trustAndSecurity--3rRmD .trust-and-security-module--cardSection--2DSJW .trust-and-security-module--card--2nTeP{ border:3px solid hsla(0,0%,96.1%,.85);margin:10px;padding:15px } @media screen and (min-width:768px){ .trust-and-security-module--trustAndSecurity--3rRmD .trust-and-security-module--cardSection--2DSJW .trust-and-security-module--card--2nTeP{ -ms-flex-preferred-size:calc(33.33% - 20px);flex-basis:calc(33.33% - 20px) } }.trust-and-security-module--trustAndSecurity--3rRmD .trust-and-security-module--cardSection--2DSJW .trust-and-security-module--card--2nTeP>div{ text-align:center }.trust-and-security-module--trustAndSecurity--3rRmD .trust-and-security-module--cardSection--2DSJW .trust-and-security-module--card--

2nTeP img{ width:70px;height:auto}@media screen and (max-width:991px){.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--hero--1oBKZ>div{-ms-flex-direction:column;flex-direction:column}}@media screen and (max-width:991px){.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--hero--1oBKZ .what-is-apache-kafka-module--imageContainer--3TVGK{display:block;margin-left:0;margin-top:60px}}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--hero--1oBKZ .what-is-apache-kafka-module--imageContainer--3TVGK img{border:9px solid #81cfe2;cursor:pointer}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaCompanySection--3iQT6 .what-is-apache-kafka-module--logoContainer--1njON{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:center;justify-content:center}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaCompanySection--3iQT6 .what-is-apache-kafka-module--logoContainer--1njON>div{-ms-flex-positive:0;flex-grow:0;-ms-flex-negative:1;flex-shrink:1;-ms-flex-preferred-size:20%;flex-basis:20%;margin:20px 0}@media screen and (max-width:991px){.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaCompanySection--3iQT6 .what-is-apache-kafka-module--logoContainer--1njON>div{-ms-flex-preferred-size:33.33333%;flex-basis:33.33333%}}@media screen and (max-width:991px) and (max-width:575px){.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaCompanySection--3iQT6 .what-is-apache-kafka-module--logoContainer--1njON>div{-ms-flex-preferred-size:100%;flex-basis:100%}}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaHelpSection--3tUwv .what-is-apache-kafka-module--container--1JCvj{text-align:left}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaHelpSection--3tUwv .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--section--3nQ7u{display:-ms-flexbox;display:flex;-ms-flex-align:start;align-items:flex-start;padding:50px 0}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaHelpSection--3tUwv .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--section--3nQ7u:nth-child(2n){-ms-flex-direction:row-reverse;flex-direction:row-reverse}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaHelpSection--3tUwv .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--section--3nQ7u:nth-child(2n)>div:first-child{margin-right:0;margin-left:80px}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaHelpSection--3tUwv .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--section--3nQ7u:nth-child(odd)>div:first-child{margin-right:80px}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaHelpSection--3tUwv .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--section--3nQ7u>div{-ms-flex:1 1 1;flex:1 1 1}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaHelpSection--3tUwv .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--section--3nQ7u>div:first-child{max-width:200px}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaHelpSection--3tUwv .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--section--3nQ7u h4{color:rgba(0,0,0,.85);font-size:18px;font-weight:700;letter-spacing:normal;margin:0 0 25px}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaHelpSection--3tUwv .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--section--3nQ7u p{color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--ebookSection--1F9gz .what-is-apache-kafka-module--card--22EH0{padding:55px}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq .what-is-apache-kafka-module--container--1JCvj{display:-ms-flexbox;display:flex}@media screen and (max-width:767px){.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq .what-is-apache-kafka-module--container--1JCvj{-ms-flex-direction:column-reverse;flex-direction:column-reverse;-ms-flex-align:center;align-items:center}}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--content--MHnSy{-ms-flex:1 1 1;flex:1 1 1;text-align:left;min-width:380px;color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}@media screen and (max-width:767px){.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq .what-is-apache-kafka-module--


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container--1JCvj .what-is-apache-kafka-module--content--MHnSy{ min-width:0 } .what-is-apache-kafka-module--
page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq .what-is-apache-kafka-module--container--
1JCvj .what-is-apache-kafka-module--content--MHnSy p{ margin-bottom:20px } .what-is-apache-kafka-module--
page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq .what-is-apache-kafka-module--container--
1JCvj .what-is-apache-kafka-module--content--MHnSy .what-is-apache-kafka-module--ctaContainer--
3WaCb{ margin-top:40px } .what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--
toolsetSection--3LYlq .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--content--
MHnSy .what-is-apache-kafka-module--ctaContainer--3WaCb a:first-child{ margin-right:20px;margin-
bottom:20px } .what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq
.what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--imageContainer--3TVGK{ -ms-
flex:1 1;flex:1 1;max-width:440px;margin-left:60px } @media screen and (max-width:767px){ .what-is-apache-
kafka-module--page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq .what-is-apache-kafka-module--
container--1JCvj .what-is-apache-kafka-module--imageContainer--3TVGK{ margin-left:0;margin-
bottom:20px } } .style-module--pageList--3Lp5m h2{ text-align:left;margin:0 0 50px } @media screen and (max-
width:991px){ .style-module--pageList--3Lp5m h2{ text-align:center } } .style-module--pageList--3Lp5m .style-
module--card--1Oi2-{ background:hsla(0,0%,96.1%,.85) } .style-module--pageList--3Lp5m .style-module--
featureSection--2oJmJ{ padding-top:25px;padding-bottom:50px } .style-module--pageList--3Lp5m .style-module--
featureSection--2oJmJ .style-module--cta--1oBkM{ margin-top:50px } .style-module--pageList--3Lp5m .style-
module--upcomingSection--11yLX{ padding-top:50px } .style-module--pageList--3Lp5m .style-module--
upcomingSection--11yLX .style-module--filters--2Blb4{ display:-ms-flexbox;display:flex;-ms-flex-
pack:justify;justify-content:space-between } @media screen and (max-width:991px){ .style-module--pageList--
3Lp5m .style-module--upcomingSection--11yLX .style-module--filters--2Blb4{ -ms-flex-direction:column;flex-
direction:column } } @media screen and (max-width:991px){ .style-module--pageList--3Lp5m .style-module--
upcomingSection--11yLX .style-module--filters--2Blb4 .style-module--filterContainer--1wo0p{ margin-
bottom:50px } } .style-module--pageList--3Lp5m .style-module--upcomingSection--11yLX .style-module--filters--
2Blb4 .style-module--filterContainer--1wo0p>* { margin-left:10px;display:inline-block } @media screen and (max-
width:991px){ .style-module--pageList--3Lp5m .style-module--upcomingSection--11yLX .style-module--filters--
2Blb4 .style-module--filterContainer--1wo0p>* { margin-bottom:10px } } .style-module--pageList--3Lp5m .style-
module--upcomingSection--11yLX .style-module--filters--2Blb4 .style-module--filterContainer--
1wo0p>div{ width:180px } @media screen and (max-width:575px){ .style-module--pageList--3Lp5m .style-module--
upcomingSection--11yLX .style-module--filters--2Blb4 .style-module--filterContainer--1wo0p>button,.style-
module--pageList--3Lp5m .style-module--upcomingSection--11yLX .style-module--filters--2Blb4 .style-module--
filterContainer--1wo0p>div{ width:100% } } .style-module--pageList--3Lp5m .style-module--upcomingSection--
11yLX .style-module--card--1Oi2-,.style-module--pageList--3Lp5m .style-module--upcomingSection--11yLX
.style-module--card--1Oi2- h3{ color:#173361 } @media screen and (max-width:767px){ .style-module--pageList--
3Lp5m .style-module--upcomingSection--11yLX .style-module--card--1Oi2- .style-module--imageContainer--
2jiv2{ display:none } } .style-module--pageList--3Lp5m .style-module--upcomingSection--11yLX .style-module--
pagination--XYbB4{ margin-top:100px } .style-module--pageList--3Lp5m .style-module--subscribeSection--24ic1
h3{ color:#173361 } .style-module--pageList--3Lp5m .style-module--subscribeSection--24ic1 p{ width:90% } .style-
module--pageList--3Lp5m .style-module--noResults--1__V8{ color:#000;font-size:28px;font-weight:500;text-
align:center;width:100% } .style-module--itemsWrapper--14yen{ display:-ms-flexbox;display:flex;-ms-flex-
wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between;padding-left:0;margin-
bottom:0 } .style-module--itemsWrapper--14yen .style-module--itemWrapper--RRnC6{ margin:10px;text-
align:left;display:-ms-flexbox;display:flex } @media screen and (max-width:991px){ .style-module--itemsWrapper--
14yen .style-module--itemWrapper--RRnC6{ -ms-flex:0 1 100%!important;flex:0 1 100%!important } } .style-
module--itemsWrapper--14yen .style-module--itemContainer--2depM{ display:-ms-
flexbox;display:flex;width:100%;text-decoration:none } .style-module--itemsWrapper--14yen .style-module--icon--
1rFOR{ width:33px;height:33px;vertical-align:top;margin-right:10px;-ms-flex-negative:0;flex-shrink:0 } .style-

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module--itemsWrapper--14yen .style-module--itemContent--8xqYY{-ms-flex:1 1;flex:1 1}.style-module--
 itemsWrapper--14yen .style-module--title--28I2K{font-size:18px;font-weight:700;color:#38cccd;line-
 height:1.2;margin:0 0 10px;padding:0}.style-module--itemsWrapper--14yen .style-module--summary--
 RCDk6{color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;width:90%}.style-
 module--itemsWrapper--14yen .style-module--tagline--2UXR8{font-size:12px;letter-spacing:1.2px;font-
 weight:500;color:#8e9093;text-transform:uppercase;margin:0 0 10px}.style-module--itemsWrapper--14yen .style-
 module--bulletPointList--ppPyb{color:rgba(0,0,0,.85);font-size:14px;font-weight:300;line-height:1.63;-ms-flex:1
 1;flex:1 1;list-style-type:disc;padding:0 0 20px}.style-module--itemsWrapper--14yen .style-module--
 bulletPointList--ppPyb li{margin-bottom:5px}.style-module--itemsWrapper--14yen .style-module--bulletPointList--
 ppPyb li:last-child{margin-bottom:0}.style-module--itemsWrapper--14yen .style-module--ctaContainer--
 QdgIZ{margin-top:auto}.style-module--itemsWrapper--14yen .style-module--ctaContainer--QdgIZ a{border-
 bottom:2px solid transparent;line-height:2;margin-bottom:-2px;text-decoration:none;color:#173361}.style-module--
 itemsWrapper--14yen .style-module--ctaContainer--QdgIZ a:hover{border-bottom-color:#38cccd}.style-module--
 itemsWrapper--14yen .style-module--ctaIcon--3oViO{width:25px;height:25px;-ms-flex-negative:0;flex-shrink:0;-
 ms-flex-item-align:center;align-self:center;margin-left:5px}.style-module--itemsWrapper--14yen .style-module--
 ctaIcon--3oViO svg{width:100%;height:100%;fill:#0074a2}.style-module--itemsWrapper--14yen .style-module--
 button--Dp9Wg{margin-top:20px}.get-involved-module--helpfulLinks--3_ckN p{margin-bottom:100px}.get-
 involved-module--helpfulLinks--3_ckN .get-involved-module--item--2VYcO{border:2px solid
 rgba(130,148,148,.25);padding:20px;border-radius:4px}.get-involved-module--helpfulLinks--3_ckN .get-involved-
 module--item--2VYcO h4{color:#173361}.get-involved-module--helpfulLinks--3_ckN .get-involved-module--item-
 -2VYcO ul{list-style-type:none;padding-left:0}.get-involved-module--cardWrapper--3LJmC{border:2px solid
 rgba(130,148,148,.25);border-radius:4px;padding:20px;text-align:left;margin:10px 0}.get-involved-module--
 cardWrapper--3LJmC h5{font-size:18px;font-weight:700;color:#173361;margin:10px 0}.get-involved-module--
 cardWrapper--3LJmC li,.get-involved-module--cardWrapper--3LJmC p,.get-involved-module--cardWrapper--
 3LJmC strong{margin:10px 0}.s-dotted-line-module--svgGroup--2jY-S{stroke:#f5f5f5;stroke-opacity:.85;stroke-
 width:7;stroke-miterlimit:10;stroke-linecap:round;stroke-linejoin:round}.lp-module--cloudPaid--3tJKb{overflow-
 x:hidden;overflow-y:scroll}.lp-module--cloudPaid--3tJKb h3{color:#173361;font-size:28px;font-weight:500}.lp-
 module--cloudPaid--3tJKb .lp-module--primaryCta--3cJf0{position:relative;z-index:2}.lp-module--cloudPaid--
 3tJKb .lp-module--heroWrapper--1xp8_{position:relative}.lp-module--cloudPaid--3tJKb .lp-module--heroWrapper-
 -1xp8_ .lp-module--heroImageContainer--3zPeI{position:absolute;max-width:none;right:-50px;top:80px;z-
 index:1}@media screen and (min-width:1690px){.lp-module--cloudPaid--3tJKb .lp-module--heroWrapper--1xp8_
 .lp-module--heroImageContainer--3zPeI{max-width:400px;position:static}}@media screen and (max-
 width:1550px){.lp-module--cloudPaid--3tJKb .lp-module--heroWrapper--1xp8_ .lp-module--heroImageContainer--
 3zPeI{max-width:400px;position:static}}.lp-module--cloudPaid--3tJKb .lp-module--heroSummary--
 1IiQn{margin:20px 0}.lp-module--cloudPaid--3tJKb .lp-module--heroCtaContainer--2I2so{display:block;margin-
 top:0}.lp-module--cloudPaid--3tJKb .lp-module--heroItem--1feeF{margin:30px 0;position:relative;z-
 index:2}@media screen and (min-width:768px){.lp-module--cloudPaid--3tJKb .lp-module--heroItem--1feeF{-ms-
 flex-preferred-size:calc(50% - 20px)!important;flex-basis:calc(50% - 20px)!important}}.lp-module--cloudPaid--
 3tJKb .lp-module--heroItem--1feeF h4{color:#173361;font-weight:lighter}.lp-module--cloudPaid--3tJKb .lp-
 module--providerContent--1RhDi{position:relative}@media screen and (max-width:991px){.lp-module--cloudPaid--
 -3tJKb .lp-module--providerContent--1RhDi{width:90%;margin:auto;text-align:center}}.lp-module--cloudPaid--
 3tJKb .lp-module--doMoreSection--3iPHv h4,.lp-module--cloudPaid--3tJKb .lp-module--providerContent--1RhDi
 h4{color:#173361}.lp-module--cloudPaid--3tJKb .lp-module--doMoreSection--3iPHv p,.lp-module--cloudPaid--
 3tJKb .lp-module--providerContent--1RhDi p{font-size:16px;font-weight:lighter;line-height:25px;margin:25px
 0}@media screen and (min-width:992px){.lp-module--cloudPaid--3tJKb .lp-module--doMoreSection--3iPHv p,.lp-
 module--cloudPaid--3tJKb .lp-module--providerContent--1RhDi p,.lp-module--cloudPaid--3tJKb .lp-module--
 providerSummary--JM8tX{width:500px}}.lp-module--cloudPaid--3tJKb .lp-module--providerContentWrapper--
 2CQ-L{position:relative}.lp-module--cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF{display:-ms-

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flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-align:center;align-
items:center;padding:0}@media screen and (max-width:991px){.lp-module--cloudPaid--3tJKb .lp-module--
providerSectionWrapper--3UeyF{-ms-flex-direction:column-reverse;flex-direction:column-reverse}}.lp-module--
cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF>{*{z-index:1}}.lp-module--cloudPaid--3tJKb .lp-
module--providerSectionWrapper--3UeyF .lp-module--providerContent--1RhDi h4{color:#173361;font-
size:18px}.lp-module--cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF .lp-module--
providerContent--1RhDi a:first-of-type{margin-right:10px}@media screen and (max-width:991px){.lp-module--
cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF .lp-module--providerContent--1RhDi a:first-of-
type{margin-bottom:20px}}.lp-module--cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF .lp-
module--providersWrapper--24zGt{padding:20px;background:#fff;border-radius:8px}@media screen and (min-
width:768px){.lp-module--cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF .lp-module--
providersWrapper--24zGt{position:relative;left:20px}}.lp-module--cloudPaid--3tJKb .lp-module--
providerSectionWrapper--3UeyF .lp-module--providersWrapper--24zGt h5{margin:0 0 10px
5px;color:#173361}.lp-module--cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF .lp-module--
providerBoxWrapper--26EGb{display:-ms-flexbox;display:flex}@media screen and (max-width:991px){.lp-
module--cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF .lp-module--providerBoxWrapper--
26EGb{-ms-flex-direction:column;flex-direction:column}}.lp-module--cloudPaid--3tJKb .lp-module--
providerSectionWrapper--3UeyF .lp-module--providerBoxWrapper--26EGb a{-ms-flex:1 1;flex:1 1}@media screen
and (max-width:991px){.lp-module--cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF .lp-module--
providerBoxWrapper--26EGb a{margin:10px 0}}.lp-module--cloudPaid--3tJKb .lp-module--connectorSvg--
17Rcb{position:absolute;max-width:none;z-index:0;top:-550px;left:-638px;display:none}@media screen and (min-
width:992px){.lp-module--cloudPaid--3tJKb .lp-module--connectorSvg--17Rcb{display:block}}@media screen and
(max-width:991px){.lp-module--cloudPaid--3tJKb .lp-module--connectorSvg--17Rcb{top:-390px;left:-677px}}.lp-
module--cloudPaid--3tJKb .lp-module--mobileConnectors--2IzTp{margin:40px 0;width:100%}@media screen and
(min-width:992px){.lp-module--cloudPaid--3tJKb .lp-module--mobileConnectors--2IzTp{display:none}}@media
screen and (min-width:992px){.lp-module--cloudPaid--3tJKb .lp-module--doMoreSection--
3iPHv{position:absolute;right:0;bottom:-677px}}@media screen and (min-width:992px){.lp-module--cloudPaid--
3tJKb .lp-module--democratizeSection--2vvoL{margin-top:700px;position:relative}}.lp-module--cloudPaid--3tJKb
.lp-module--democratizeSection--2vvoL .lp-module--contentWrapper--1Xboe{padding:20px 30px;border:7px solid
hsla(0,0%,96.1%,.85);border-radius:8px;background-color:#fff;display:-ms-flexbox;display:flex}@media screen
and (max-width:1199px){.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--
contentWrapper--1Xboe{-ms-flex-direction:column;flex-direction:column;padding:20px}}@media screen and
(max-width:1199px){.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--
textContent--2TwDa{text-align:center}}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-
module--textContent--2TwDa p{font-size:16px;font-weight:lighter}.lp-module--cloudPaid--3tJKb .lp-module--
democratizeSection--2vvoL .lp-module--content--4CKtc p{font-size:16px;font-weight:lighter;max-
width:100%;line-height:25px}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--
cliWrapper--3tA0m{-ms-flex:1 1;flex:1 1;position:relative;top:130px;left:80px;left:10px;border-radius:8px;box-
shadow:0 0 12px 0 rgba(0,0,0,.25);border:7px solid #fff;background-color:rgba(0,0,0,.25)}@media screen and
(max-width:1199px){.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--
cliWrapper--3tA0m{top:0;left:0;margin-top:50px}}@media (min-width:1250px){.lp-module--cloudPaid--3tJKb .lp-
module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m{left:80px}}@media screen and (min-
width:768px){.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--
3tA0m .lp-module--languages--iyhEB .lp-module--languagesDropDownMobile--2LY7x{display:none}}.lp-module-
cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--languages-
iyhEB .lp-module--languagesSelectDesktop--3tw1K{display:none}@media screen and (min-width:768px){.lp-
module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--
languages--iyhEB .lp-module--languagesSelectDesktop--3tw1K{display:block}}.lp-module--cloudPaid--3tJKb .lp-

```

module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--languages--iyhEB span{margin-right:30px;font-weight:700;cursor:pointer;position:relative}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--languages--iyhEB span.lp-module--active--29vL5:after{content:"";position:absolute;bottom:-14px;background-color:#0074a2;width:120%;height:2px;left:-10%}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--languages--iyhEB hr{margin:10px 0;border-top:1px solid #829494}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--cliCode--HUVpw{position:relative;height:290px;width:600px}@media screen and (max-width:1199px){.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--cliCode--HUVpw{height:520px;width:100%;display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between}}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--cliCode--HUVpw div{position:absolute;top:0;width:100%;height:100%;opacity:0;pointer-events:none;transition:all .3s ease}@media screen and (max-width:1199px){.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--cliCode--HUVpw div{top:20px}}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--cliCode--HUVpw div.lp-module--active--29vL5{opacity:1;pointer-events:all}@media screen and (max-width:1199px){.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--cliCode--HUVpw div>{*{word-break:break-word}}}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--content--4CKtc{padding:40px;background:#f5f5f5;font-size:14px;font-weight:500}@media screen and (max-width:1199px){.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--content--4CKtc{padding:40px 20px}}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--content--4CKtc .red{color:#d8365d}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--content--4CKtc .blue{color:#173361}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--content--4CKtc .gray{color:#829494;font-weight:lighter}.lp-module--cloudPaid--3tJKb .lp-module--linesSvgWrapper--1mOwj .lp-module--cloudPaid--3tJKb .lp-module--svgBlueDotWrapper--3UNbd{display:none}@media screen and (min-width:1200px){.lp-module--cloudPaid--3tJKb .lp-module--linesSvgWrapper--1mOwj .lp-module--cloudPaid--3tJKb .lp-module--svgBlueDotWrapper--3UNbd{display:block}}.lp-module--cloudPaid--3tJKb .lp-module--linesSvgWrapper--1mOwj{position:absolute;bottom:-297px;left:400px}.lp-module--cloudPaid--3tJKb .lp-module--linesSvgWrapper--1mOwj img{max-width:none}.lp-module--cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--getStartedContentWrapper--jep6M{position:relative}@media screen and (min-width:1200px){.lp-module--cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--getStartedContentWrapper--jep6M{padding-top:100px}}.lp-module--cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--contentWrapper--1Xboe{text-align:center}.lp-module--cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--contentWrapper--1Xboe p{width:700px;max-width:100%;margin:40px auto 8rem;font-weight:lighter}.lp-module--cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--svgBlueDotWrapper--3UNbd{position:absolute;left:-450px;top:150px}.lp-module--cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--providersWrapper--24zGt{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}@media screen and (max-width:991px){.lp-module--cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--providersWrapper--24zGt{-ms-flex-direction:column;flex-direction:column}}.lp-module--cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--providersWrapper--24zGt img{margin:0 40px;height:25px;width:auto}@media screen and (max-width:991px){.lp-module--cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--providersWrapper--24zGt img{margin:20px 0;-o-object-fit:contain;object-fit:contain}}.lp-module--cloudPaid--3tJKb .lp-module--pricingTierClassName--1v6FQ .lp-module--cloudPaid--3tJKb .lp-module--rowClassName--2Ha3_>div{-ms-flex-preferred-size:33.33%;flex-basis:33.33%}.lp-module--cloudPaid--3tJKb .lp-module--rowClassName--2Ha3_

div:last-of-type{display:none}.lp-module--cloudPaid--3tJKb .lp-module--rowClassName--2Ha3_ div:nth-of-type(1n) div{display:block}.lp-module--cloudPaid--3tJKb .lp-module--accordionWrapper--8x0YM{border:7px solid hsla(0,0%,96.1%,.85);max-height:70px;margin-bottom:10px}.lp-module--cloudPaid--3tJKb .lp-module--accordionWrapper--8x0YM div{background-color:transparent}.lp-module--cloudPaid--3tJKb .lp-module--indicator--nT6o1{top:30px}.lp-module--cloudPaid--3tJKb .lp-module--productClassName--3GJrk>div:first-of-type{text-align:center;color:#0074a2}.lp-module--cloudPaid--3tJKb .lp-module--buttonWrappers--ORW6O{margin:50px auto;text-align:center}@media screen and (max-width:991px){.lp-module--cloudPaid--3tJKb .lp-module--buttonWrappers--ORW6O{display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column}}.lp-module--cloudPaid--3tJKb .lp-module--buttonWrappers--ORW6O button{margin-right:20px;min-width:333px}@media screen and (max-width:991px){.lp-module--cloudPaid--3tJKb .lp-module--buttonWrappers--ORW6O button{margin-bottom:20px;margin-right:0}}.lp-module--cloudPaid--3tJKb .lp-module--notReadySection--2pAxi{padding-top:0}.lp-module--cloudPaid--3tJKb .lp-module--notReadySection--2pAxi .lp-module--heroSection--2NgW{text-align:center}.lp-module--cloudPaid--3tJKb .lp-module--notReadySection--2pAxi .lp-module--heroSection--2NgW p{margin:40px auto 100px}.lp-module--cloudPaid--3tJKb .lp-module--notReadySection--2pAxi .lp-module--card--3pJXp{background-color:hsla(0,0%,96.1%,.85)}.startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--startupProgram--1GBXj{text-align:center}.startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--startupProgram--1GBXj p{width:800px;max-width:100%;margin:50px auto;line-height:1.66}.startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--eligibilityItem--2RhUl,.startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--whatYouGetItem--3qEMr{padding:20px;background-color:#fff}.startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--eligibilitySummary--1Du4x{margin-bottom:100px}.startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--titleEyebrow--VeLOp{margin-top:100px}.startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--formWrapper--2cxAT{width:800px;margin:auto;max-width:100%}@media screen and (min-width:768px){.startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--formWrapper--2cxAT{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap}}.startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--formWrapper--2cxAT+button{margin:50px 0}.startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--formInput--jPIzn,.startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--select--3heGZ,.startup-program-module--confluentCloudStartupProgram--1Kzz4 fieldset{margin:5px}@media screen and (min-width:768px){.startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--formInput--jPIzn,.startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--select--3heGZ,.startup-program-module--confluentCloudStartupProgram--1Kzz4 fieldset{-ms-flex-preferred-size:calc(50% - 10px);flex-basis:calc(50% - 10px)}}.startup-program-module--confluentCloudStartupProgram--1Kzz4 fieldset label{font-size:16px;color:#173361;text-align:left;width:100%;margin-left:5px}.startup-program-module--confluentCloudStartupProgram--1Kzz4 fieldset label+div{margin:5px 0 !important}.startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--textareaContainer--1eQLn{padding:0;-ms-flex-preferred-size:calc(100% - 10px);flex-basis:calc(100% - 10px);height:120px}.startup-program-module--confluentCloudStartupProgram--1Kzz4 textarea{width:100%;height:100%;padding:10px;border:2px solid hsla(0,0%,73.3%,.5);border-radius:4px;resize:none;font-size:14px}.startup-program-module--confluentCloudStartupProgram--1Kzz4 textarea::-webkit-input-placeholder{color:#829494;font-size:14px}.startup-program-module--confluentCloudStartupProgram--1Kzz4 textarea::-moz-placeholder{color:#829494;font-size:14px}.startup-program-module--confluentCloudStartupProgram--1Kzz4 textarea:-ms-input-placeholder{color:#829494;font-size:14px}.startup-program-module--confluentCloudStartupProgram--1Kzz4 textarea::placeholder{color:#829494;font-size:14px}.startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--compliance--1zJwM{font-size:14px;color:#829494}.startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--cardWrapper--3eY4F{text-align:left;border:2px

solid rgba(130,148,148,.25);border-radius:4px;padding:20px;margin:10px 0}.startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--cardWrapper--3eY4F h4{font-size:16px;color:#173361;font-weight:700}.startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--cardWrapper--3eY4F p{font-weight:lighter}.style-module--congratsSection--2EQP8{transition:all .3s ease;position:absolute;top:-30px;width:100%}.style-module--congratsSection--2EQP8.style-module--deb--2TX30 .style-module--congratsSummary--TFgxt,.style-module--congratsSection--2EQP8.style-module--docker--2a_E .style-module--congratsSummary--TFgxt,.style-module--congratsSection--2EQP8.style-module--rpm--2E0-u .style-module--congratsSummary--TFgxt{margin-top:0}.style-module--congratsSection--2EQP8.style-module--deb--2TX30 .style-module--congratsCardContainer--m4sNv,.style-module--congratsSection--2EQP8.style-module--docker--2a_E .style-module--congratsCardContainer--m4sNv,.style-module--congratsSection--2EQP8.style-module--rpm--2E0-u .style-module--congratsCardContainer--m4sNv{margin-top:25px}.style-module--congratsSection--2EQP8 h4{font-size:12px;color:#38ccd;letter-spacing:1.2px;text-transform:uppercase;margin-top:30px}.style-module--congratsSection--2EQP8 .style-module--congratslinkBelow--2UKCQ{font-size:28px;color:#173361;font-weight:500}.style-module--congratsSection--2EQP8 .style-module--congratsPrimaryCta--3W1pw{margin:25px 0}.style-module--congratsSection--2EQP8 .style-module--congratsCardSummary--2iw1g{font-size:14px;text-align:center;margin-bottom:15px}@media screen and (min-width:768px){.style-module--congratsSection--2EQP8 .style-module--congratsCardSummary--2iw1g{font-size:16px;margin-bottom:20px}}.style-module--congratsSection--2EQP8 .style-module--congratsSummary--TFgxt{color:#000;font-size:15px;width:450px;max-width:95%;margin:20px auto 0}.style-module--congratsSection--2EQP8 .style-module--congratsSummary--TFgxt p:first-of-type{margin-bottom:70px}.style-module--congratsSection--2EQP8 .style-module--congratsSummary--TFgxt p:nth-of-type(2n){width:90%;margin:auto;position:relative}.style-module--congratsSection--2EQP8 .style-module--congratsSummary--TFgxt p:nth-of-type(2n):after{content:"";width:100%;height:7px;position:absolute;left:0;right:0;background-color:hsla(0,0%,96.1%,.85);top:-40px}.style-module--congratsSection--2EQP8 .style-module--congratsCardContainer--m4sNv{margin-top:45px;display:-ms-flexbox;display:flex}.style-module--congratsSection--2EQP8 .style-module--congratsCard--3b0UR{background-color:hsla(0,0%,96.1%,.85);margin:0 5px;padding:15px;-ms-flex:1 1;flex:1 1;border-radius:4px;display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:center;justify-content:center}@media screen and (min-width:768px){.style-module--congratsSection--2EQP8 .style-module--congratsCard--3b0UR{padding:25px}}.style-module--congratsSection--2EQP8 .style-module--congratsCard--3b0UR h5{margin-top:0;margin-bottom:10px;-ms-flex:1 1;flex:1 1}@media screen and (min-width:768px){.style-module--congratsSection--2EQP8 .style-module--congratsCard--3b0UR h5{margin-bottom:25px}}.style-module--congratsSection--2EQP8 .style-module--congratsCard--3b0UR a{-ms-flex-item-align:end;align-self:flex-end}.style-module--cloudInlineContainer--3RAR4{position:absolute;top:-30px;width:100%;opacity:0;pointer-events:none;transition:all .3s ease}.style-module--cloudInlineContainer--3RAR4.style-module--active--1YH-z{opacity:1;pointer-events:auto}.style-module--cloudInlineContainer--3RAR4 .style-module--title--2Ke9N{margin:40px 0 35px;font-size:25px}@media screen and (min-width:768px){.style-module--cloudInlineContainer--3RAR4 .style-module--title--2Ke9N{font-size:28px}}.style-module--cloudInlineContainer--3RAR4 .style-module--summary--3MWdf{font-size:14px;font-weight:700;width:80%;margin:auto auto 30px}.index-module--downloadPage--1B_hx h1{margin-bottom:100px}.index-module--downloadPage--1B_hx .index-module--downloadHeroContent--58OwQ{width:100% !important}@media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X{display:-ms-flexbox;display:flex}}.index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X.index-module--us--tw5hJ .index-module--tos--359VS{display:none}.index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X.index-module--us--tw5hJ .index-module--tosUS--1UABB{display:block}.index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X.index-module--us--tw5hJ .index-module--forminputWrapper--3mlZa>div{margin-bottom:10px}@media screen and (min-width:768px){.index-module--downloadPage--1B_hx

.index-module--solutionWrapper--LxF_X.index-module--us--tw5hJ .index-module--forminputWrapper--3mlZa>div{margin-bottom:100px}}.index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X.index-module--us--tw5hJ .index-module--customerSupport--38442,.index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X.index-module--us--tw5hJ .index-module--existingAccount--2srAO{margin:10px 0}.index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X.index-module--us--tw5hJ .index-module--submitButton--2h0Vq{margin-top:0}@media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X.index-module--us--tw5hJ .index-module--submitButton--2h0Vq{margin-top:30px}}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o{padding:17px;background-color:#fff;margin:0 10px;border-radius:8px;-ms-flex:1 1;flex:1 1;transition:all .4s ease}@media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--solution--FKf7o.index-module--active--1NdXX{transform:scale3d(1.1,1.1,1.1);box-shadow:0 0 40px rgba(0,116,162,.2)}}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o.index-module--confluent_cloud--3nrz_{margin-bottom:50px}@media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--solution--FKf7o.index-module--confluent_cloud--3nrz_{margin-bottom:0}}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o.index-module--confluent_cloud--3nrz_ .index-module--cardHero--1ArYr{background-color:#0074a2}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o.index-module--confluent_platform--3vE12 .index-module--checkboxWrapper--2fIXh{padding-left:0}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o.index-module--confluent_platform--3vE12 .index-module--cardHero--1ArYr{background-color:#38cccd}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardHero--1ArYr{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;-ms-flex-align:center;align-items:center;padding:25px 0;border-radius:8px}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardHero--1ArYr svg{width:40px;height:40px}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardHero--1ArYr h2{color:#fff;margin:0 0 15px;font-size:20px}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT{position:relative}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT .index-module--initialCard--3c_ZU{transition:all .3s ease}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT .index-module--initialCard--3c_ZU.index-module--confluent_cloud--3nrz_ .index-module--inactive--2BK4x,.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT .index-module--initialCard--3c_ZU.index-module--confluent_platform--3vE12.index-module--confluentPlatformInactive--3WXY7,.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT .index-module--initialCard--3c_ZU.index-module--confluent_platform--3vE12.index-module--inactive--2BK4x{opacity:0;visibility:hidden;pointer-events:none}@media screen and (max-width:991px){.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT .index-module--initialCard--3c_ZU.index-module--confluent_platform--3vE12.index-module--confluentPlatformInactive--3WXY7 .index-module--solutionListItem--17-tZ,.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT .index-module--initialCard--3c_ZU.index-module--confluent_platform--3vE12.index-module--inactive--2BK4x .index-module--solutionListItem--17-tZ{padding:0}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT .index-module--initialCard--3c_ZU.index-module--confluent_platform--3vE12.index-module--confluentPlatformInactive--3WXY7 .index-module--solutionCta--2m2qB,.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT .index-module--initialCard--3c_ZU.index-module--confluent_platform--3vE12.index-module--inactive--2BK4x .index-module--solutionCta--2m2qB{display:none}}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT .index-module--initialCard--3c_ZU.index-module--confluent_cloud--3nrz_ .index-module--summary--35fZk{font-weight:500}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT h3{margin:30px 0}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--

-summary--35fZk{margin:0 auto 40px;width:80%;font-size:16px}.index-module--downloadPage--1B_hx .index-
 module--solution--FKf7o .index-module--providerLogosWrapper--pF2yE,.index-module--downloadPage--1B_hx
 .index-module--solution--FKf7o .index-module--summary--35fZk{margin-bottom:40px}.index-module--
 downloadPage--1B_hx .index-module--solution--FKf7o .index-module--providerLogosWrapper--pF2yE{display:-
 ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}.index-module--downloadPage--1B_hx .index-
 module--solution--FKf7o .index-module--providerLogosWrapper--pF2yE img{height:18px;width:auto;margin:0
 10px}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--
 solutionListItemContainer--2floM div:first-of-type{margin-right:0}.index-module--downloadPage--1B_hx .index-
 module--solution--FKf7o .index-module--solutionListItem--17-tZ{background-
 color:hsla(0,0%,96.1%,.85);padding:15px;border-radius:4px;margin:5px}@media screen and (min-
 width:992px){.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--
 solutionListItem--17-tZ{-ms-flex-preferred-size:calc(50% - 10px)!important;flex-basis:calc(50% -
 10px)!important}}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--
 solutionListItem--17-tZ h4{color:#173361;font-size:16px;margin-bottom:5px}.index-module--downloadPage--
 1B_hx .index-module--solution--FKf7o .index-module--solutionListItem--17-tZ
 svg{width:25px;height:25px}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-
 module--solutionCta--2m2qB{display:block;margin:30px auto 20px}.index-module--downloadPage--1B_hx .index-
 module--solution--FKf7o .index-module--linkWrapper--AhrEN{display:-ms-flexbox;display:flex;-ms-flex-
 pack:center;justify-content:center}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-
 module--solutionLinks--11NYN{font-size:12px;color:#0074a2;font-weight:500;text-transform:uppercase}.index-
 module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--solutionLinks--11NYN:first-of-
 type{margin-right:10px}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--
 solutionLinks--11NYN:last-of-type{margin-left:10px}.index-module--downloadPage--1B_hx .index-module--
 cloudInlineinputForm--2DP9u{width:100%;margin:5px}@media screen and (min-width:768px){.index-module--
 downloadPage--1B_hx .index-module--cloudInlineinputForm--2DP9u{width:calc(50% - 10px);max-
 width:220px}}.index-module--downloadPage--1B_hx .index-module--cloudInlineinputForm--2DP9u::-webkit-
 input-placeholder{font-size:14px}.index-module--downloadPage--1B_hx .index-module--cloudInlineinputForm--
 2DP9u::-moz-placeholder{font-size:14px}.index-module--downloadPage--1B_hx .index-module--
 cloudInlineinputForm--2DP9u:-ms-input-placeholder{font-size:14px}.index-module--downloadPage--1B_hx
 .index-module--cloudInlineinputForm--2DP9u::placeholder{font-size:14px}.index-module--downloadPage--1B_hx
 .index-module--customerSupport--38442,.index-module--downloadPage--1B_hx .index-module--existingAccount--
 2srAO{text-align:center;font-size:14px;margin:10px 0}.index-module--downloadPage--1B_hx .index-module--
 checkboxWrapper--2fIXh{position:relative;width:100%;margin:0 0 20px;color:rgba(0,0,0,.7);text-
 align:left}@media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--
 checkboxWrapper--2fIXh{padding-left:33px}}.index-module--downloadPage--1B_hx .index-module--
 checkboxWrapper--2fIXh input{position:absolute;opacity:0;cursor:pointer;height:0;width:0}.index-module--
 downloadPage--1B_hx .index-module--checkboxWrapper--2fIXh label{cursor:pointer;padding-left:30px}.index-
 module--downloadPage--1B_hx .index-module--checkboxWrapper--2fIXh .index-module--checkboxContainer--
 32hB2{display:block;position:relative;margin-top:12px;-webkit-user-select:none;-moz-user-select:none;-ms-user-
 select:none;user-select:none}.index-module--downloadPage--1B_hx .index-module--tos--359VS{font-
 size:12px;margin-top:20px}.index-module--downloadPage--1B_hx .index-module--tos--359VS p{font-
 size:12px;width:80%;margin:auto;line-height:1.4;color:#829494;text-align:center;line-height:20px}.index-module--
 downloadPage--1B_hx.index-module--us--tw5hJ .index-module--tos--359VS{display:none}.index-module--
 downloadPage--1B_hx.index-module--us--tw5hJ .index-module--tosUS--1UABB{display:block}.index-module--
 downloadPage--1B_hx .index-module--submitButton--2h0Vq{margin-top:0}.index-module--downloadPage--1B_hx
 .index-module--errorContainer--3w7-7{position:absolute;font-size:14px;padding:17px
 50px;left:50%;width:448px;max-width:90%;-ms-transform:translateX(-50%);transform:translateX(-
 50%);background-color:#fbebef;transition:all .3s ease-in-out;opacity:0;visibility:hidden;border-radius:4px;text-

align:center;z-index:10}.index-module--downloadPage--1B_hx .index-module--errorContainer--3w7-7 p{text-align:center;font-size:13px;color:#d8365d}.index-module--downloadPage--1B_hx .index-module--errorContainer--3w7-7 p:first-of-type{font-weight:700;font-size:15px}.index-module--downloadPage--1B_hx .index-module--errorContainer--3w7-7.index-module--show--3U7qP{opacity:1;visibility:visible}.index-module--downloadPage--1B_hx .index-module--disabled--1CF62{opacity:.4;pointer-events:none}.index-module--downloadPage--1B_hx .index-module--automatedInput--1LpO0 div,.index-module--downloadPage--1B_hx .index-module--automatedInput--1LpO0 li{text-transform:capitalize}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4{width:100%}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4::-webkit-input-placeholder{color:#173361}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4::-moz-placeholder{color:#173361}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4:-ms-input-placeholder{color:#173361}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4::placeholder{color:#173361}.index-module--downloadPage--1B_hx .index-module--forminputWrapper--3mZa>div{display:inline-block;width:100%;margin-top:10px}@media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--forminputWrapper--3mZa>div{width:calc(50% - 5px)}}.index-module--downloadPage--1B_hx .index-module--forminputWrapper--3mZa>div:first-of-type{margin-right:10px}.index-module--downloadPage--1B_hx .index-module--communityForm--b6DJm,.index-module--downloadPage--1B_hx form[name=platform-download]{width:468px;max-width:95%;margin:auto}.index-module--downloadPage--1B_hx .index-module--inputWrapper--QNdWD{display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;margin-bottom:5px}@media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--inputWrapper--QNdWD{margin-bottom:50px}}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4{border:2px solid rgba(130,148,148,.25);border-radius:4px;margin-bottom:10px;font-size:14px}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4::-webkit-input-placeholder{font-size:14px}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4::-moz-placeholder{font-size:14px}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4:-ms-input-placeholder{font-size:14px}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4::placeholder{font-size:14px}.index-module--downloadPage--1B_hx .index-module--checkboxLabelWrapper--2nB_R{display:-ms-flexbox;display:flex;margin-top:15px}.index-module--downloadPage--1B_hx .index-module--checkboxLabelWrapper--2nB_R input{position:absolute;top:0;left:5px}.index-module--downloadPage--1B_hx .index-module--checkbox--2DhQ3{width:20px;height:20px}.index-module--downloadPage--1B_hx .index-module--label--3oQpp{margin-left:30px;font-size:13px;text-align:left;font-weight:lighter}.index-module--downloadPage--1B_hx .index-module--disclaimer--VRFBN{color:#829494;font-size:12px;width:80%;margin:10px auto 0}@media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--disclaimer--VRFBN{margin:20px auto 0}}@media screen and (min-width:992px){.style-module--cyojButtons--1HfVa{-ms-flex:0 1 440px;flex:0 1 440px}}.style-module--cyojButtons--1HfVa .style-module--cyojButtonItemContainer--37zsn{display:-ms-flexbox;display:flex}@media screen and (max-width:991px){.style-module--cyojButtons--1HfVa .style-module--cyojButtonItemContainer--37zsn{-ms-flex-pack:center;justify-content:center}}.style-module--cyojButtons--1HfVa .style-module--cyojButtonItem--2sUgH{-ms-flex:0 1 100%!important;flex:0 1 100%!important;max-width:385px;padding:20px 15px;transition:all .3s ease;background-color:#c4eff2}.style-module--cyojButtons--1HfVa .style-module--cyojButtonItem--2sUgH: hover{cursor:pointer;background-color:#d7eff6;-ms-transform:translateX(2px);transform:translateX(2px)}.style-module--cyojButtons--1HfVa .style-module--cyojButtonItem--2sUgH h4{color:#000}.index-module--page--2ZXnp .index-module--featuresSection--3SDMM{border-bottom:1px solid #979797}.index-module--page--2ZXnp .index-module--heroButton--IQFhB{margin-top:70px}.index-module--page--2ZXnp .index-module--videoSection--251ZS{display:none;padding-bottom:0;margin-bottom:15px}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h{padding-bottom:50px}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_{display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;-ms-flex-direction:column;flex-direction:column;text-align:left}@media screen and

(min-width:992px){.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_{-ms-flex-direction:row;flex-direction:row;padding:80px 0}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_:first-child{padding-top:0}}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_h4{color:#173361;font-size:28px;font-weight:500;margin:10px 0 25px}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_p{color:#173361;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;text-align:left;max-width:100%;margin-bottom:50px}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_>img{margin:40px 0;max-width:80%}@media screen and (min-width:992px){.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_>img{max-width:500px;width:50%;margin:0}}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_>div{padding-bottom:20px}@media screen and (min-width:992px){.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_>div{margin-right:80px;width:50%}}@media screen and (min-width:992px){.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_:nth-child(2n){-ms-flex-direction:row-reverse;flex-direction:row-reverse}}@media screen and (min-width:992px){.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_:nth-child(2n)>div{margin-right:0;margin-left:80px}}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_:last-child>img{box-shadow:0 7px 22px 0 rgba(0,0,0,.18)}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_ .index-module--ctaContainer--vPfYP{margin-bottom:30px;display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center}@media screen and (min-width:768px){.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_ .index-module--ctaContainer--vPfYP{text-align:left}}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_ .index-module--ctaContainer--vPfYP img{margin:0}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_ .index-module--ctaContainer--vPfYP svg{margin-right:10px;width:30px}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_ .index-module--ctaContainer--vPfYP>a{color:#173361;font-size:12px;font-weight:500;line-height:2.67;letter-spacing:2px;border-bottom:2px solid transparent;line-height:2;margin-bottom:-2px;text-decoration:none;text-transform:uppercase}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_ .index-module--ctaContainer--vPfYP>a:hover{border-bottom-color:#38cccd}.index-module--page--2ZXnp .index-module--testimonial--1zkh{background-color:transparent;border-radius:8px;margin:0 25px;border-bottom:1px solid hsla(0,0%,59.2%,.44)}@media screen and (max-width:767px){.index-module--page--2ZXnp .index-module--testimonial--1zkh{border-radius:0;margin-left:0;margin-right:0}}.index-module--page--2ZXnp .index-module--testimonial--1zkh .index-module--carousel--3r2kH>div{background:hsla(0,0%,96.1%,.85);border-radius:6px}.index-module--page--2ZXnp .index-module--testimonial--1zkh .index-module--indexPagerClassName--2tStw{overflow-x:hidden}@media screen and (max-width:991px){.index-module--page--2ZXnp .index-module--testimonial--1zkh .index-module--indexPagerClassName--2tStw{overflow-x:scroll}}.index-module--page--2ZXnp .index-module--testCyoj2--1fi8L>div{padding:20px 15px}@media screen and (max-width:991px){.index-module--page--2ZXnp .index-module--testCyoj2--1fi8L>div{text-align:center;-ms-flex-direction:column;flex-direction:column;padding:50px 15px}}.index-module--page--2ZXnp .index-module--testCyoj2--1fi8L .index-module--mainContent--1VUgb{width:100%}@media screen and (min-width:992px){.index-module--page--2ZXnp .index-module--testCyoj2--1fi8L .index-module--mainContent--1VUgb{width:70%}}@media screen and (min-width:992px){.index-module--page--2ZXnp .index-module--testCyoj2--1fi8L .index-module--rightContent--16YCw{-ms-flex:0 1 440px;flex:0 1 440px}}@media screen and (max-width:991px){.index-module--page--2ZXnp .index-module--testCyoj2--1fi8L .index-module--rightContent--16YCw{margin-top:50px}}.index-module--introSection--2wiS_{padding-bottom:15px}@media screen and (min-width:768px){.index-module--introSection--2wiS_{padding-top:0;margin-top:-75px}}.index-module--introSection--2wiS_ .index-module--content--2y6NX .index-module--videoContainer--3de4T img{cursor:pointer;max-

width:580px;width:100%;margin-bottom:20px}.index-module--introSection--2wiS_ .index-module--content--2y6NX .index-module--videoContainer--3de4T p{ color:#173361;font-size:16px;line-height:26px}.index-module--introSection--2wiS_ .index-module--content--2y6NX .index-module--videoContainer--3de4T p small{ font-size:12px;font-weight:300}.index-module--quoteSection--2EqiD{ border:7px solid hsla(0,0%,96.1%,.85);border-radius:8px;padding:100px;margin-top:0;margin-bottom:15px}@media screen and (max-width:767px){.index-module--quoteSection--2EqiD{padding:50px 25px}}.index-module--quoteSection--2EqiD h4{color:#173361;font-size:12px;font-weight:500;letter-spacing:1.2px;text-transform:uppercase}.index-module--quoteSection--2EqiD div{color:#173361;font-size:12px;font-weight:300;text-transform:uppercase}.index-module--quoteSection--2EqiD blockquote{color:#38cccd;font-size:24px;font-weight:700;font-style:italic;padding:0;border:0;margin:30px 0 0;line-height:1.3}.index-module--releaseCalendarSection--1VSYn .index-module--content--2y6NX .index-module--summary--cZ8qe{max-width:600px;width:90%;margin:0 auto}.index-module--releaseCalendarSection--1VSYn .index-module--content--2y6NX .index-module--grid--Ab3-o{margin-top:100px}.index-module--releaseCalendarSection--1VSYn .index-module--content--2y6NX .index-module--grid--Ab3-o .index-module--card--Oaxik{padding:25px}.index-module--releaseCalendarSection--1VSYn .index-module--content--2y6NX .index-module--grid--Ab3-o .index-module--card--Oaxik>{*text-align:center}.index-module--releaseCalendarSection--1VSYn .index-module--content--2y6NX .index-module--grid--Ab3-o .index-module--card--Oaxik h3{max-width:230px;margin:0 auto;width:100%}.index-module--releaseCalendarSection--1VSYn .index-module--content--2y6NX .index-module--grid--Ab3-o .index-module--card--Oaxik .index-module--ctaContainer--P0vas{margin:auto 0 10px}.index-module--stayUpdatedSection--3bMUB .index-module--list--3jzNm li{border:2px solid hsla(0,0%,96.1%,.85);border-radius:4px;padding:25px}.index-module--stayUpdatedSection--3bMUB .index-module--list--3jzNm li h4{color:#173361}.services-module--sectionContent--3IPMq{margin-top:25px;margin-bottom:25px}.services-module--sectionContent--3IPMq .services-module--featureItem--1emNP{background-color:#fff;padding:35px}.services-module--sectionContent--3IPMq .services-module--featureItem--1emNP h4{color:#000}.services-module--professionalServices--2mnoh .services-module--levelsSection--1NwNA h3{width:680px;max-width:90%;margin:auto;color:#173361}@media screen and (min-width:768px){.services-module--levelsContainer--1UGhY{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap}}.services-module--levelsContainer--1UGhY .services-module--levelWrapper--3etJ_{margin:0 10px;-ms-flex:1 1;flex:1 1}.services-module--levelsContainer--1UGhY .services-module--levelNumber--01Fe{color:#b78142;font-size:24px}.services-module--levelsContainer--1UGhY .services-module--levelTitle--2GkBA{font-size:12px;color:#829494;text-transform:uppercase;padding:15px 0;border-bottom:2px solid hsla(0,0%,96.1%,.85)}.services-module--levelsContainer--1UGhY .services-module--levelsCompletedBox--J_g_h{height:90px;background:hsla(0,0%,96.1%,.85);display:-ms-flexbox;display:flex;-ms-flex-direction:column-reverse;flex-direction:column-reverse}.services-module--levelsContainer--1UGhY .services-module--levelsCompletedBox--J_g_h .services-module--fadeLevelElement--37r88{width:100%;height:20%;position:relative;display:block}.services-module--levelsContainer--1UGhY .services-module--levelSubTitle--2Y3Jr{font-size:14px;padding:15px 0;color:#173361;border-bottom:2px solid hsla(0,0%,96.1%,.85);text-align:left;min-height:70px}.services-module--levelsContainer--1UGhY .services-module--levelsUnorderedList--2BRg{list-style-type:disc;padding-left:5px;font-size:12px}.services-module--levelsContainer--1UGhY .services-module--levelsListItem--2Ks7L{text-align:left;margin:15px 0}.services-module--levelsContainer--1UGhY .services-module--level1--1XMHR{background-color:#e6f5fb}.services-module--levelsContainer--1UGhY .services-module--level2--1mRB6{background-color:#b4e1e4}.services-module--levelsContainer--1UGhY .services-module--level3--1b23n{background-color:#81cfe2}.services-module--levelsContainer--1UGhY .services-module--level4--28Iy{background-color:#0074a2}.services-module--levelsContainer--1UGhY .services-module--level5--1oRnw{background-color:#173361}.services-module--howWeWorkWrapper--2HWk2{text-align:left;padding:25px;background-color:#fff;margin-top:100px}@media screen and (max-width:767px){.services-module--howWeWorkWrapper--2HWk2{background-color:hsla(0,0%,96.1%,.85);text-align:center}}.services-module--howWeWorkSectionTitle--3Xxgl{font-size:28px;font-weight:500}.services-module--engageBulletPointList--34lhS{margin-bottom:40px;padding-

left:15px }.services-module--engageBulletPointItem--3LyLB {margin:15px 0;font-size:14px }.services-module--titleTableWrapper--2nAyT {display:-ms-flexbox;display:flex;background-color:hsla(0,0%,96.1%,.85);margin:15px 0;padding:25px } @media screen and (max-width:767px) { .services-module--titleTableWrapper--2nAyT {display:none } }.services-module--titleTableWrapper--2nAyT .services-module--table--1s4Ut { -ms-flex:1 1;flex:1 1 }.services-module--titleTableWrapper--2nAyT .services-module--tableHead--2cWUO {border-bottom:7px solid #fff;padding-bottom:25px;width:33% }.services-module--titleTableWrapper--2nAyT .services-module--tableRow--1fegK: not(:last-of-type) {border-bottom:2px solid #fff }.services-module--titleTableWrapper--2nAyT .services-module--tableData--2Q4Vf {padding:15px 0;font-size:14px }.services-module--titleTableWrapper--2nAyT .services-module--tableData--2Q4Vf a {color:#0074a2 }.services-module--consultingTitle--3UtOe,.services-module--tableTitle--2qtfX {margin:0 60px 0 0;width:15ch;line-height:1.2;letter-spacing:1.2px }.services-module--consultingWrapper--2FSj7 {padding:75px 25px;display:-ms-flexbox;display:flex;background-color:hsla(0,0%,96.1%,.85) } @media screen and (max-width:767px) { .services-module--consultingWrapper--2FSj7 {display:none } }.services-module--mobileSectionWrapper--3Y5aQ {text-align:center } @media screen and (min-width:768px) { .services-module--mobileSectionWrapper--3Y5aQ {display:none } }.services-module--mobileSectionWrapper--3Y5aQ .services-module--mobileTitle--1kNDb {padding-bottom:30px;border-bottom:7px solid #fff }.services-module--mobileSectionWrapper--3Y5aQ .services-module--mobileList--1nV-2 {list-style-type:none;padding-left:0 }.services-module--mobileSectionWrapper--3Y5aQ .services-module--mobileList--1nV-2,.services-module--mobileSectionWrapper--3Y5aQ .services-module--mobileListItem--2SotR {padding:12px 0 }.services-module--mobileSectionWrapper--3Y5aQ .services-module--mobileListItem--2SotR {border-bottom:2px solid #fff }.services-module--mobileSectionWrapper--3Y5aQ .services-module--mobileListItem--2SotR a {color:#173361 }.services-module--ctaButton--3iqVy {margin-top:100px }.training-module--training--3zAl6 .training-module--item--i_dAy {padding:30px 20px;background-color:#fff }.training-module--training--3zAl6 .training-module--item--i_dAy h4 {color:#173361 }.training-module--training--3zAl6 .training-module--jumpWrapper--3wumc {margin-top:50px } @media screen and (min-width:768px) { .training-module--training--3zAl6 .training-module--jumpWrapper--3wumc {display:-ms-flexbox;display:flex } }.training-module--training--3zAl6 .training-module--jumpWrapper--3wumc .training-module--jumpItemWrapper--1CcRz {display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;-ms-flex-preferred-size:calc(50% - 100px);flex-basis:calc(50% - 100px);margin:50px } @media screen and (min-width:768px) { .training-module--training--3zAl6 .training-module--jumpWrapper--3wumc .training-module--jumpItemWrapper--1CcRz {margin:50px 90px } }.training-module--training--3zAl6 .training-module--jumpWrapper--3wumc .training-module--jumpItemWrapper--1CcRz .training-module--icon--J6e5z {width:64px;height:64px;margin:auto }.training-module--training--3zAl6 .training-module--jumpWrapper--3wumc .training-module--jumpItemWrapper--1CcRz h4 {margin-top:20px;font-size:28px;font-weight:500;color:#173361 }.training-module--training--3zAl6 .training-module--jumpWrapper--3wumc .training-module--jumpItemWrapper--1CcRz p {margin:20px 0;-ms-flex:1 1;flex:1 1 }.training-module--training--3zAl6 .training-module--jumpWrapper--3wumc .training-module--jumpItemWrapper--1CcRz a { -ms-flex-item-align:center;align-self:center }.training-module--training--3zAl6 .training-module--learningPathsWrapper--392uo .training-module--summary--jGfIP {width:800px;max-width:90%;margin:auto }.training-module--training--3zAl6 .training-module--mainTile--2qI8h {margin-top:50px;background-color:#173361;padding:40px;color:#fff;border-radius:8px }.training-module--training--3zAl6 .training-module--mainTile--2qI8h h4 {margin-bottom:20px }.training-module--training--3zAl6 .training-module--mainTile--2qI8h p {font-weight:lighter;color:hsla(0,0%,96.1%,.85) } @media screen and (min-width:768px) { .training-module--training--3zAl6 .training-module--columnWrapper--vqs_A {display:-ms-flexbox;display:flex } }.training-module--training--3zAl6 .training-module--trackColumn--3JQ0P { -ms-flex-preferred-size:100%;flex-basis:100% } @media screen and (min-width:768px) { .training-module--training--3zAl6 .training-module--trackColumn--3JQ0P { -ms-flex-preferred-size:calc(50% - 10px);flex-basis:calc(50% - 10px);margin:0 5px } }.training-module--training--3zAl6 .training-module--trackWrapper--2n2Ie {margin:40px 0 }.training-module--training--3zAl6 .training-module--trackWrapper--2n2Ie h3,.training-module--training--3zAl6 .training-module--trackWrapper--2n2Ie h4 {font-weight:700;color:#173361 }.training-module--training--3zAl6

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.training-module--trackWrapper--2n2Ie h4{font-size:21px;padding-
bottom:40px;margin:0;position:relative}.training-module--training--3zA16 .training-module--trackWrapper--2n2Ie
h4:before{display:none}@media screen and (min-width:768px){.training-module--training--3zA16 .training-
module--trackWrapper--2n2Ie h4:before{display:block}}.training-module--training--3zA16 .training-module--
trackWrapper--2n2Ie h3{font-size:18px;margin-bottom:20px}.training-module--training--3zA16 .training-module--
trackWrapper--2n2Ie p{font-size:16px}.training-module--training--3zA16 .training-module--trackWrapper--2n2Ie
.training-module--contentWrapper--7vfjv{background-color:#d7eff6;padding:40px;border-
radius:8px;position:relative;min-height:240px}.training-module--training--3zA16 .training-module--trackWrapper--
2n2Ie .training-module--contentWrapper--7vfjv p{color:#000}.training-module--training--3zA16 .training-module--
contentWrapper--7vfjv.training-module--dottedLine--3LVdy:before,.training-module--training--3zA16 .training-
module--trackWrapper--2n2Ie h4:before{content:"";width:2px;height:25px;border:1px dashed
#829494;position:absolute;left:50%;top:-30px}.training-module--training--3zA16 .training-module--competitiveList-
1v2ZW h4{font-weight:500;font-size:14px;line-height:15px;color:#173361;letter-spacing:.1em;text-
transform:uppercase}.training-module--training--3zA16 .training-module--competitiveList--1v2ZW .training-
module--competitiveListItemWrapper--xvg6L{margin-top:50px}@media screen and (min-width:768px){.training-
module--training--3zA16 .training-module--competitiveList--1v2ZW .training-module--
competitiveListItemWrapper--xvg6L{display:-ms-flexbox;display:flex}}.training-module--training--3zA16
.training-module--competitiveList--1v2ZW .training-module--competitiveListItemWrapper--xvg6L a{-ms-flex:1
1;flex:1 1}.training-module--training--3zA16 .training-module--competitiveList--1v2ZW .training-module--
competitiveListItemWrapper--xvg6L .training-module--competitiveListItem--9CGyo{background-color:#b4e1e4;-
ms-flex-preferred-size:100%;flex-basis:100%;margin:30px 0;padding:35px 40px;border-
radius:8px;position:relative}@media screen and (min-width:768px){.training-module--training--3zA16 .training-
module--competitiveList--1v2ZW .training-module--competitiveListItemWrapper--xvg6L .training-module--
competitiveListItem--9CGyo{-ms-flex-preferred-size:calc(50% - 10px);flex-basis:calc(50% - 10px);margin:0
5px}}.training-module--training--3zA16 .training-module--competitiveList--1v2ZW .training-module--
competitiveListItemWrapper--xvg6L .training-module--competitiveListItem--9CGyo svg{position:absolute;top:-
17px;left:calc(50% - 17px)}@media screen and (min-width:768px){.training-module--training--3zA16 .training-
module--competitiveList--1v2ZW .training-module--competitiveListItemWrapper--xvg6L .training-module--
competitiveListItem--9CGyo svg{left:calc(50% - 8px)}}.training-module--training--3zA16 .training-module--
competitiveList--1v2ZW .training-module--competitiveListItemWrapper--xvg6L .training-module--
competitiveListItem--9CGyo h5{font-weight:700;font-size:18px;line-height:23px;text-
align:center;color:#173361}.training-module--training--3zA16 .training-module--resourceItem--jSSBu{-ms-flex-
preferred-size:100%!important;flex-basis:100%!important;background-color:#fff;padding:25px;margin:5px
0;border-radius:8px}.training-module--training--3zA16 .training-module--resourceItem--jSSBu
h4{color:#173361}.training-module--training--3zA16 .training-module--contactSection--2Nda0
h3{color:#173361;width:700px;max-width:95%;margin:0 auto 20px}.training-module--training--3zA16 .training-
module--formWrapper--5h42K{max-width:600px;margin:40px auto 0}@media screen and (min-
width:768px){.training-module--training--3zA16 .training-module--formWrapper--5h42K{display:-ms-
flexbox;display:flex;-ms-flex-align:center;align-items:center;-ms-flex-wrap:wrap;flex-wrap:wrap}}.training-
module--training--3zA16 .training-module--formWrapper--5h42K .training-module--formInputDiv--
3SCsU,.training-module--training--3zA16 .training-module--formWrapper--5h42K input{-ms-flex-preferred-
size:calc(50% - 10px);flex-basis:calc(50% - 10px);margin:5px}.training-module--training--3zA16 .training-module--
formWrapper--5h42K .training-module--state--1dtzQ{opacity:0;pointer-events:none;transition:all .2s ease}.training-
module--training--3zA16 .training-module--formWrapper--5h42K .training-module--show--
1A9cH{opacity:1;pointer-events:auto}.training-module--training--3zA16 .training-module--formWrapper--5h42K
button{margin:50px auto 0}@media screen and (max-width:767px){.training-module--training--3zA16 .training-
module--formWrapper--5h42K button{margin-top:25px;margin-left:0}}.training-module--training--3zA16 .training-
module--formWrapper--5h42K textarea{width:100%;height:100%;padding:10px;border:none;resize:none;font-

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size:14px;border:2px solid rgba(130,148,148,.25);border-radius:4px }.training-module--training--3zAl6 .training-module--formWrapper--5h42K textarea::-webkit-input-placeholder{ color:#829494;font-size:14px }.training-module--training--3zAl6 .training-module--formWrapper--5h42K textarea::-moz-placeholder{ color:#829494;font-size:14px }.training-module--training--3zAl6 .training-module--formWrapper--5h42K textarea:-ms-input-placeholder{ color:#829494;font-size:14px }.training-module--training--3zAl6 .training-module--formWrapper--5h42K textarea::placeholder{ color:#829494;font-size:14px }.training-module--training--3zAl6 .training-module--formWrapper--5h42K .training-module--textareaContainer--3x7vs{-ms-flex-preferred-size:100%;flex-basis:100% }.training-module--training--3zAl6 .training-module--disclaimer--3ahJU{ font-weight:300;font-size:16px;color:#829494;margin-top:25px }.training-module--training--3zAl6 .training-module--thankYou--1Yrzn{ margin-top:50px;font-size:20px }.style-module--imageContainer--bXGzM img{ width:250px } @media screen and (max-width:767px){ .style-module--logosContentContainer--28fgQ{ padding:50px } } @media screen and (min-width:768px){ .style-module--logosContent--3FV2R{ display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between } }.style-module--logos--3A4oE{ height:80px;width:auto;max-width:180px;-o-object-fit:contain;object-fit:contain } @media screen and (max-width:767px){ .style-module--logos--3A4oE{ display:block;margin:50px auto } }.style-module--whyWrapper--1wuBn{ background-color:#fff;padding:65px 15px 0 } @media screen and (min-width:992px){ .style-module--whyWrapper--1wuBn{ padding:100px 150px 65px !important } }.style-module--whyWrapper--1wuBn .style-module--whySummary--3z6Nx{ margin-bottom:50px }.style-module--whyWrapper--1wuBn .style-module--item--1__t0{-ms-flex:0 1 300px !important;flex:0 1 300px !important;margin-bottom:50px }.style-module--whyWrapper--1wuBn .style-module--item--1__t0 h5{ color:#173361 } @media screen and (min-width:992px){ .style-module--whyWrapper--1wuBn .style-module--item--1__t0{-ms-flex-preferred-size:calc(50% - 20px) !important;flex-basis:calc(50% - 20px) !important } }.style-module--whyWrapper--1wuBn .style-module--item--1__t0>div:first-child{ margin-right:15px }.style-module--whyWrapper--1wuBn .style-module--copy--22gHW{ font-weight:300;line-height:1.86;color:#000;font-size:14px;text-align:center;margin-top:37px;margin-bottom:85px }.style-module--featuresSummary--1SumP{ width:800px;max-width:90%;margin:0 auto 50px } @media screen and (min-width:768px){ .style-module--ctaContentWrapper--1LgW6{ display:-ms-flexbox;display:flex } }.style-module--ctaItem--2ZJ67{-ms-flex:1 1;flex:1 1;position:relative } @media screen and (min-width:768px){ .style-module--ctaItem--2ZJ67:first-of-type:after{ content:"";width:2px;height:100%;top:0;background-color:rgba(130,148,148,.25);position:absolute:right:0 } } @media screen and (max-width:991px){ .style-module--ctaItem--2ZJ67{ margin:50px auto } }.style-module--ctaItem--2ZJ67 h3{ width:80%;margin:0 auto 30px;font-size:18px;font-weight:700;color:#173361 }.style-module--tryConfluent--msw3g{ max-width:990px;margin:0 auto } @media screen and (min-width:768px){ .style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN{ display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between } }.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF{ text-align:center;background-color:#fff;position:relative;border-radius:4.2px;width:100% } @media screen and (min-width:768px){ .style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF{ position:relative;min-height:328px;margin:0;max-width:480px } } @media screen and (min-width:768px){ .style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF:first-child{ margin-right:30px } }.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF:last-child .style-module--content--Yu3YZ{ margin-bottom:0 }.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF h5{ color:rgba(0,0,0,.85);font-size:28px;font-weight:500 } @media screen and (max-width:767px){ .style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF h5{ font-size:21px } }.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF p{ color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;margin-top:30px;min-height:80px } @media screen and (max-width:767px){ .style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF p{ min-height:auto;margin-bottom:35px } }.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF .style-

module--smallTitle--257dk { color:#173361;font-size:12px;font-weight:500;line-height:2.67;letter-spacing:2px;text-transform:uppercase }.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF .style-module--icon--20nvY { position:absolute;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%);top:-30px }.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF .style-module--content--Yu3YZ { padding:53px 40px 30px;margin-bottom:60px;border-radius:4.2px } @media screen and (min-width:768px) { .style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF .style-module--content--Yu3YZ { margin-bottom:0 } }.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF .style-module--ctaContainer--1q6Xl { margin-bottom:40px }.style-module--tryConfluent--msw3g .style-module--disclaimer--2Z9-a { margin:15px;font-size:14px;font-weight:700;line-height:1.79;text-align:left }.style-module--tooltip--2A6h4 { display:inline-block;position:relative;vertical-align:top;margin-left:3px }.style-module--tooltip--2A6h4.underline.style-module--bottomRight--Gz-Xz { position:absolute;left:0;width:100%;border-bottom:1px solid #babe0;margin-left:0 }.style-module--tooltip--2A6h4.underline .style-module--hidden--k4GRS { width:250px;left:-70px }.style-module--tooltip--2A6h4.underline .style-module--hidden--k4GRS:before { display:none }.style-module--tooltip--2A6h4.underline .style-module--default--1Q4QX { opacity:0;pointer-events:none }.style-module--tooltip--2A6h4 p { color:#4a4a4a;font-size:12px;font-weight:300;letter-spacing:4px;line-height:1.5;margin:0 }.style-module--tooltip--2A6h4 .style-module--default--1Q4QX { border-radius:20px;border:1px solid #8e9093;color:#8e9093;font-size:8px;padding:1px 5px }.style-module--tooltip--2A6h4 .style-module--content--3mxKy { transition:opacity .25s ease-in-out }.style-module--tooltip--2A6h4 .style-module--content--3mxKy.style-module--hidden--k4GRS { background:#fff;border:1px solid #eee;opacity:0;position:absolute;pointer-events:none;margin:20px 5px;padding:10px;z-index:20 }.style-module--tooltip--2A6h4 .style-module--content--3mxKy.style-module--arrow--1YkB5 { margin:30px 5px }.style-module--tooltip--2A6h4 .style-module--content--3mxKy.style-module--arrow--1YkB5:before { content:"";display:block;position:absolute;width:0;height:0;border-left:10px solid transparent;border-right:10px solid transparent;border-bottom:10px solid #fff }.style-module--tooltip--2A6h4.style-module--bottomRight--Gz-Xz .style-module--default--1Q4QX+div { top:0;left:-20px }.style-module--tooltip--2A6h4.style-module--bottomRight--Gz-Xz>div:before { top:-8px;left:14px }.style-module--tooltip--2A6h4.style-module--bottomLeft--viYel .style-module--default--1Q4QX+div { top:0;left:-224px }.style-module--tooltip--2A6h4.style-module--bottomLeft--viYel>div:before { top:-8px;left:214px }.style-module--tooltip--2A6h4: hover .style-module--hidden--k4GRS { opacity:1;pointer-events:auto } @media (max-width:576px) { .style-module--tooltip--2A6h4 { display:none } }.confluent-platform-module--page--108H6 .confluent-platform-module--heroSection--3-7Yr .confluent-platform-module--content--1j_Al { max-width:820px;width:100% }.confluent-platform-module--page--108H6 .confluent-platform-module--recognition--1oskr { background:rgba(180,225,228,.3);padding:31px 0 40px } @media screen and (min-width:768px) { .confluent-platform-module--page--108H6 .confluent-platform-module--recognition--1oskr { padding:186px 0 40px } }.confluent-platform-module--page--108H6 .confluent-platform-module--recognition--1oskr .confluent-platform-module--pager--sIXL4 { -ms-flex-pack:distribute;justify-content:space-around }.confluent-platform-module--page--108H6 .confluent-platform-module--recognition--1oskr .confluent-platform-module--pager--sIXL4 li { margin-left:10px;margin-right:10px }.confluent-platform-module--page--108H6 .confluent-platform-module--recognition--1oskr .confluent-platform-module--pager--sIXL4 li:first-child { margin-left:0 }.confluent-platform-module--page--108H6 .confluent-platform-module--recognition--1oskr .confluent-platform-module--pager--sIXL4 li:last-child { margin-right:0 }.confluent-platform-module--page--108H6 .confluent-platform-module--boxShadowContainer--1f1Pk { background-color:#fff;padding:100px 0 } @media screen and (min-width:992px) { .confluent-platform-module--page--108H6 .confluent-platform-module--boxShadowContainer--1f1Pk { padding:100px 45px 60px } } @media screen and (min-width:992px) { .confluent-platform-module--page--108H6 .confluent-platform-module--boxShadowContainer--1f1Pk .confluent-platform-module--benefitsWrapper--1XJqz { -ms-flex-pack:space-evenly;justify-content:space-evenly } } @media screen and (min-width:992px) { .confluent-platform-module--page--108H6 .confluent-platform-module--boxShadowContainer--1f1Pk .confluent-platform-module--benefitsItem--1Y0HU { -ms-flex-negative:0;flex-shrink:0;-ms-flex-

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positive:1;flex-grow:1;-ms-flex-preferred-size:calc(33% - 20px)!important;flex-basis:calc(33% -
20px)!important;margin-bottom:40px}}.confluent-platform-module--page--108H6 .confluent-platform-module--
benefitSection--2IVM6,.confluent-platform-module--page--108H6 .confluent-platform-module--storySection--
3XSuj{background:rgba(180,225,228,.3)}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--
featuresFor--c_v5R{margin-top:80px}@media screen and (min-width:768px){.style-module--
confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R{display:-ms-flexbox;display:flex;-
ms-flex-pack:center;justify-content:center}}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-
module--featuresFor--c_v5R ul{list-style-type:none;padding-left:0}.style-module--
confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R ul li{color:rgba(0,0,0,.85);font-
size:16px;font-weight:300;line-height:25px;letter-spacing:0;text-align:center;background-
color:rgba(180,225,228,.3);margin:8px 0;border-radius:2px;padding:5px 0;text-decoration:underline}.style-module-
confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R h5{font-size:14px;font-
weight:700;text-align:center;color:#0074a2;margin:21px auto 35px;width:60%;text-transform:uppercase}@media
screen and (min-width:768px){.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--
featuresFor--c_v5R h5{width:70%}}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--
featuresFor--c_v5R>div{border:6px solid #f3f4f7;-ms-flex:0 1 33%;flex:0 1 33%;padding:30px 30px
50px;position:relative}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--
c_v5R>div:first-of-type{border-bottom:0}@media screen and (min-width:768px){.style-module--
confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R>div:first-of-type{border-bottom:6px
solid #f3f4f7;border-left:6px solid #f3f4f7}}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-
module--featuresFor--c_v5R>div:last-of-type{border-top:0}@media screen and (min-width:768px){.style-module--
confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R>div:last-of-type{border-top:6px solid
#f3f4f7;border-right:6px solid #f3f4f7}}@media screen and (min-width:768px){.style-module--
confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R>div{border-width:6px 3px;padding-
bottom:30px}}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R .style-
module--title--2nNun{padding:9px 35px;border-radius:6px;background-color:hsla(0,0%,96.1%,.85);font-
size:12px;font-weight:500;letter-spacing:2.67px;color:#173361;position:absolute;-ms-transform:translate(-50%,-
54px);transform:translate(-50%,-54px);text-transform:uppercase}.style-module--confluentPlatformBenefitPersonas-
3PCk0 .style-module--featureApacheKafka--NzqQR{padding:30px;background-
color:hsla(0,0%,96.1%,.85)}@media screen and (min-width:768px){.style-module--
confluentPlatformBenefitPersonas--3PCk0 .style-module--featureApacheKafka--NzqQR{margin:0 5px}}.style-
module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featureApacheKafka--NzqQR span{font-
size:18px;font-weight:700;color:#0074a2}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--
platformAdjectives--25Kx4{border:6px solid #f3f4f7;margin-top:20px}@media screen and (min-
width:768px){.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--platformAdjectives--
25Kx4{margin:5px}}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--platformAdjectives-
25Kx4 ul{list-style-type:none;display:-ms-flexbox;display:flex;-ms-flex-pack:distribute;justify-content:space-
around;padding:20px 0}@media screen and (max-width:991px){.style-module--confluentPlatformBenefitPersonas--
3PCk0 .style-module--platformAdjectives--25Kx4 ul{-ms-flex-direction:column;flex-direction:column}}.style-
module--confluentPlatformBenefitPersonas--3PCk0 .style-module--platformAdjectives--25Kx4 ul:first-of-
type{border-bottom:1px dashed #d4d0d0}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--
platformAdjectives--25Kx4 ul:first-of-type li{-ms-flex:0 1 33%;flex:0 1 33%}.style-module--
confluentPlatformBenefitPersonas--3PCk0 .style-module--platformAdjectives--25Kx4
li{color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;-ms-flex:0 1 25%;flex:0 1
25%;margin:10px 0}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--platformAdjectives--
25Kx4 ul li.style-module--highlight--hT6ki{color:#173361;font-size:18px;font-weight:700;text-
transform:uppercase;-ms-flex:1 1 40%;flex:1 1 40%}@media screen and (max-width:991px){.style-module--
confluentPlatformBenefitPersonas--3PCk0 .style-module--platformAdjectives--25Kx4 ul li.style-module--highlight-

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-hT6ki{-ms-flex-order:-1;order:-1}}.style-module--content--2ruvk{text-align:center}.style-module--formContainer--1XMLD{height:auto;top:50%;margin-top:0;width:100%;max-width:700px;min-height:420px;position:relative;border-radius:5px}.style-module--formContainer--1XMLD form .style-module--buttonContainer--3C_YP{width:100%;margin:20px 0}.style-module--formContainer--1XMLD form .style-module--select--1OhVX{-webkit-appearance:none;letter-spacing:1px;border:1.1px solid #eceff2;font-size:12px;background:#fff;width:100%;text-transform:uppercase;text-align:left;color:rgba(0,0,0,.7);position:relative;padding:0}.style-module--formContainer--1XMLD form .style-module--select--1OhVX>div{padding:0 10px}.style-module--formContainer--1XMLD form .style-module--select--1OhVX>div:first-child{padding:10px 0 10px 25px;cursor:pointer;text-align:left}.style-module--formContainer--1XMLD form .style-module--select--1OhVX.style-module--error--2nMVD{border:1px solid #df2d58}.style-module--formContainer--1XMLD form .style-module--select--1OhVX.style-module--error--2nMVD .style-module--options--3_n0T{border-right-color:#df2d58;border-left-color:#df2d58;border-bottom-color:#df2d58}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--options--3_n0T{position:absolute;left:-1px;right:-1px;z-index:9;background:#fff;border-right:1.1px solid #eceff2;border-left:1.1px solid #eceff2;border-bottom:1.1px solid #eceff2;top:43px;transition:max-height .5s ease-in-out;overflow:hidden;max-height:0;border-bottom-left-radius:4px;border-bottom-right-radius:4px;border-top-left-radius:0;border-top-right-radius:0;text-align:left}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--options--3_n0T>div{margin-bottom:10px;padding:10px 10px 20px;background:#edf0f5;position:relative}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--options--3_n0T h6{display:inline-block;font-size:12px;margin:10px 0;color:#000;font-weight:500}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--options--3_n0T ul{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between;text-align:left;margin:0;list-style:none;padding:0}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--options--3_n0T ul li{background:#fff;-ms-flex:1 1;flex:1 1;text-align:center;border:1px solid #e3e4e5;border-radius:4px;font-size:12px;text-transform:uppercase;font-weight:300;letter-spacing:1px;color:#000;margin:0 10px 0 0;padding:10px 0;cursor:pointer;line-height:1.2;width:calc((100% - 30px)/2)}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--options--3_n0T ul li:hover{background-color:rgba(37,123,215,.5);color:#fff;font-weight:500}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--options--3_n0T ul li.style-module--selected--3IV6f{background-color:#257bd7;color:#fff;font-weight:500}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--options--3_n0T .style-module--divider--1qB1j{position:absolute;top:-20px;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%);border:3px solid #fff;width:30px;height:30px;text-align:center;border-radius:50%;background:#f7f9fc;font-weight:700;text-transform:uppercase}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--arrow--CsSfj{width:20px;height:20px;display:inline-block;top:24px;right:20px;left:auto;position:absolute}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--arrow--CsSfj:after,.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--arrow--CsSfj:before{content:"";position:absolute;background-color:#8e9093;width:15px;height:1px;transition:all .4s cubic-bezier(1,.07,.28,1.04)}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--arrow--CsSfj:before{-ms-transform:rotate(45deg);transform:rotate(45deg)}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--arrow--CsSfj:after{-ms-transform:rotate(-45deg);transform:rotate(-45deg);left:11px}.style-module--formContainer--1XMLD form .style-module--select--1OhVX.style-module--expanded--1Lbrq{border-bottom:0;border-bottom-left-radius:0;border-bottom-right-radius:0}.style-module--formContainer--1XMLD form .style-module--select--1OhVX.style-module--expanded--1Lbrq .style-module--options--3_n0T{max-height:220px}.style-module--formContainer--1XMLD form .style-module--select--1OhVX.style-module--expanded--1Lbrq .style-module--arrow--CsSfj:before{-ms-transform:rotate(135deg);transform:rotate(135deg)}.style-module--formContainer--1XMLD form .style-module--

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select--1OhVX.style-module--expanded--1Lbrq .style-module--arrow--CsSfj:after{-ms-transform:rotate(-135deg);transform:rotate(-135deg);left:11px}.style-module--formContainer--1XMLD .style-module--titleContainer--WVppj h6{display:inline-block;font-size:16px;font-weight:500;color:#2a2a2d;margin-bottom:24px}.style-module--formContainer--1XMLD .style-module--titleContainer--WVppj .tooltip-hidden{left:-200px!important}.style-module--checkboxWrapper--2IEzb{position:relative;width:100%;margin-top:20px;color:rgba(0,0,0,.7);text-align:left}.style-module--checkboxWrapper--2IEzb
input{position:absolute;opacity:0;cursor:pointer;height:0;width:0}.style-module--checkboxWrapper--2IEzb
label{cursor:pointer;padding-left:30px}.style-module--checkboxWrapper--2IEzb .style-module--checkboxContainer--2b_qe{display:block;position:relative;padding-left:35px;margin-top:12px;-webkit-user-select:none;-moz-user-select:none;-ms-user-select:none;user-select:none}.style-module--tos--3pYRd{font-size:12px}.style-module--tos--3pYRd p{font-size:12px;width:80%;line-height:1.4;color:rgba(0,0,0,.7);text-align:justify;margin:auto auto 15px}.style-module--tosUS--3c4R4,.style-module--us--2ibcg .style-module--tos--3pYRd{display:none}.style-module--us--2ibcg .style-module--tosUS--3c4R4{display:block}.modal-is-visible{overflow:hidden}.modal-is-visible .style-module--formPlatformDownloadModal--1rKbi.style-module--show--2NTMt{top:50%;left:50%;-ms-transform:translate(-50%,-50%);transform:translate(-50%,-50%)}.style-module--accordionItemWrapper--2qcVC{margin-bottom:2px;transition:all .5s ease}.style-module--accordionItemWrapper--2qcVC.style-module--collapsible--rOU3f{max-height:64px;overflow:hidden}.style-module--accordionItemWrapper--2qcVC.style-module--collapsible--rOU3f .style-module--accordionPanel--19rjo{opacity:0;transition:all .4s ease .1s}.style-module--accordionItemWrapper--2qcVC.style-module--collapsible--rOU3f .style-module--accordionTitle--1k8jN{cursor:pointer}.style-module--accordionItemWrapper--2qcVC.style-module--collapsible--rOU3f .style-module--indicator--2cYbX{display:block}.style-module--accordionItemWrapper--2qcVC.style-module--open--2SWVx{overflow:visible}.style-module--accordionItemWrapper--2qcVC.style-module--open--2SWVx .style-module--accordionItem--204fj .style-module--accordionPanel--19rjo{opacity:1}.style-module--accordionTitle--1k8jN{color:#173361;font-size:18px;font-weight:700;letter-spacing:normal;text-align:left;padding:20px 50px 20px 20px;color:#000;background-color:#e6f5fb;position:relative}@media screen and (max-width:767px){.style-module--accordionTitle--1k8jN{font-size:16px}}.style-module--accordionAltIndicator--F2VHE{display:inline-block;position:absolute;right:2rem}.style-module--indicator--2cYbX{right:50px;position:absolute;top:35px;display:none}.style-module--purple--3ncYI .style-module--accordionTitle--1k8jN{background:rgba(85,29,157,.1);color:#551d9d}.style-module--purple--3ncYI .style-module--accordionItem--204fj{background:rgba(85,29,157,.03)}.style-module--green--3oE7a .style-module--accordionTitle--1k8jN{background:rgba(21,158,134,.1);color:#159e86}.style-module--green--3oE7a .style-module--accordionItem--204fj{background:rgba(21,158,134,.03)}.style-module--blue--1F6u1 .style-module--accordionTitle--1k8jN{background:rgba(13,172,204,.1);color:#0dacc}.style-module--blue--1F6u1 .style-module--accordionItem--204fj{background:rgba(13,172,204,.03)}.style-module--orange--1yfx_ .style-module--accordionTitle--1k8jN{background:rgba(227,125,98,.1);color:#e37d62}.style-module--orange--1yfx_ .style-module--accordionItem--204fj{background:rgba(227,125,98,.03)}.style-module--grey--1DKMw .style-module--accordionTitle--1k8jN{background:rgba(88,120,140,.1);color:#58788c}.style-module--grey--1DKMw .style-module--accordionItem--204fj{background:rgba(88,120,140,.03)}.style-module--tiersSection--1QkAs{display:-ms-flexbox;display:flex;-ms-flex-pack:distribute;justify-content:space-around;margin-top:100px;margin-bottom:50px}.style-module--tiersSection--1QkAs .style-module--tierContainer--1g6eK{-ms-flex-preferred-size:25%;flex-basis:25%;text-align:left}.style-module--tiersSection--1QkAs .style-module--tierContainer--1g6eK>p{font-size:13px;width:60%;margin:20px auto 20px 0}.style-module--tiersSection--1QkAs .style-module--tierContainer--1g6eK .style-module--tooltip--1tWod{-webkit-text-decoration-color:#b78142;text-decoration-color:#b78142;cursor:help}.style-module--tiersSection--1QkAs .style-module--tierContainer--1g6eK .style-module--tooltip--1tWod div{border:2px solid #b4e1e4;width:75%!important;padding:20px 40px;border-radius:8px}.style-module--tiersSection--1QkAs .style-module--tierContainer--1g6eK .style-module--tooltip--1tWod div p{text-align:center}@media screen and (max-width:991px){.style-module--tiersSection--1QkAs .style-module--tierContainer--1g6eK .style-module--tooltip--1tWod div{display:none}}@media screen and (max-

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width:991px){.style-module--tiersSection--1QkAs .style-module--tierContainer--1g6eK .style-module--tierctaButtons--1CAwD{padding:10px 12px}}@media screen and (max-width:991px){.style-module--featuresSection--1BRNK,.style-module--tiersSection--1QkAs{display:none}}.style-module--tierTitle--ud9Z0{color:#b78142;font-size:18px;font-weight:700;letter-spacing:normal;margin-bottom:35px;display:block;text-align:left}@media screen and (max-width:991px){.style-module--tierTitle--ud9Z0{text-align:center}}.style-module--tooltip--1tWod{text-decoration:underline;display:block}.style-module--rowTitle--2FP-M{background:hsla(0,0%,96.1%,.85);padding:13px 20px;letter-spacing:1.2px;font-size:18px;font-weight:700;text-align:left}@media screen and (max-width:767px){.style-module--rowTitle--2FP-M{font-size:14px}}.style-module--row--3dCMI{display:-ms-flexbox;display:flex;border:2px solid hsla(0,0%,96.1%,.85)}.style-module--row--3dCMI.style-module--title--3Tzw4{background:hsla(0,0%,96.1%,.85)}.style-module--row--3dCMI .style-module--rowItem--3ZC1B{width:25%;text-align:left;padding:13px 0;font-size:13px}.style-module--row--3dCMI .style-module--rowItem--3ZC1B:first-of-type{font-weight:500}.style-module--row--3dCMI .style-module--rowItem--3ZC1B:first-of-type div:nth-child(2){font-weight:300;color:rgba(0,0,0,.85);font-size:11px}.style-module--row--3dCMI .style-module--rowItem--3ZC1B:nth-of-type(3n) div:nth-child(2){margin-bottom:20px}@media screen and (max-width:991px){.style-module--row--3dCMI .style-module--rowItem--3ZC1B{font-size:12px}}.style-module--row--3dCMI .style-module--rowItem--3ZC1B .style-module--rowItemTooltip--1Cd48{cursor:help;margin-right:0}@media screen and (max-width:991px){.style-module--row--3dCMI .style-module--rowItem--3ZC1B .style-module--rowItemTooltip--1Cd48{display:block;font-size:12px}}.style-module--row--3dCMI .style-module--rowItem--3ZC1B .style-module--rowItemTooltip--1Cd48>span{display:block}.style-module--row--3dCMI .style-module--rowItem--3ZC1B .style-module--rowItemTooltip--1Cd48>span div:first-child{text-decoration:underline;-webkit-text-decoration-color:#000;text-decoration-color:#000;max-width:210px}.style-module--row--3dCMI .style-module--rowItem--3ZC1B .style-module--rowItemTooltip--1Cd48>div{border:1px solid #b4e1e4;text-transform:none}@media screen and (max-width:991px){.style-module--row--3dCMI .style-module--rowItem--3ZC1B .style-module--rowItemTooltip--1Cd48>div{display:none}}.style-module--row--3dCMI .style-module--rowItem--3ZC1B h4{font-size:12px}@media screen and (max-width:991px){.style-module--row--3dCMI .style-module--rowItem--3ZC1B h4{font-size:11px}}.style-module--row--3dCMI .style-module--rowItem--3ZC1B:first-of-type{padding-left:20px;letter-spacing:1.2px;font-size:12px;text-transform:uppercase}.style-module--disclaimer--2tlQN{font-size:12px;font-weight:700;line-height:1.79;text-align:right;padding:12px 0}@media screen and (max-width:991px){.style-module--disclaimer--2tlQN{display:none}}.style-module--mobileViewWrapper--2oK4O{display:none}@media screen and (max-width:991px){.style-module--mobileViewWrapper--2oK4O{display:block}}.style-module--mobileView--3YxAf .style-module--tier--2LItI{margin:50px}.style-module--mobileView--3YxAf .style-module--tier--2LItI h3{text-align:center}.style-module--mobileView--3YxAf .style-module--tier--2LItI p{font-size:12px;margin-bottom:35px}.style-module--mobileView--3YxAf .style-module--mobileRow--1MKZU{display:-ms-flexbox;display:flex;border:2px solid hsla(0,0%,96.1%,.85);padding:15px 60px 15px 20px;-ms-flex-pack:justify;justify-content:space-between;font-size:14px}.style-module--mobileView--3YxAf .style-module--mobileRow--1MKZU>div:first-child{text-align:left}.style-module--mobileView--3YxAf .style-module--mobileRow--1MKZU>div:last-child{text-align:right}.style-module--container--Fuoc8{position:relative}.style-module--tabContainer--2EeGl{margin-top:65px;position:relative;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}.style-module--tabContainer--2EeGl:after,.style-module--tabContainer--2EeGl:before{content:"";position:absolute;width:35%;top:50%;border:3px solid hsla(0,0%,96.1%,.85);-ms-transform:translateY(-50%);transform:translateY(-50%)}.style-module--tabContainer--2EeGl:after,.style-module--tabContainer--2EeGl:before{display:none}}.style-module--tabContainer--2EeGl:after{left:0}.style-module--tabContainer--2EeGl:before{right:0}.style-module--tabWrapper--1MIKN{display:-ms-flexbox;display:flex;border:1px solid #d1d1d1;padding:15px 30px;border-radius:4px;-ms-flex-wrap:wrap;flex-wrap:wrap;text-align:center;z-index:1;background-color:#fff;cursor:pointer}@media screen and (min-width:992px){.style-module--tabWrapper--1MIKN:first-of-type{border-radius:4px 0 0 4px;border-right:none}}@media screen and (min-width:992px){.style-

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module--tabWrapper--1MIKN:last-of-type{ border-left:none;border-radius:0 4px 4px 0 } .style-module--
tabWrapper--1MIKN.style-module--active--3mpSI{ color:#fff;background-color:#173361 } .style-module--
tabSubTitle--3FtQx,.style-module--tabTitle--2Nc3h{ width:100%;font-weight:500 } .style-module--tabTitle--
2Nc3h{ text-transform:uppercase;font-size:12px;font-stretch:normal;letter-spacing:.76px } .style-module--
tabSubTitle--3FtQx{ margin:0;font-size:14px } .style-module--container--30Ip7{ border-radius:8px;margin:50px
0;padding:50px 20px;background:#173361;color:#fff } .style-module--container--30Ip7 a:hover{-webkit-text-
decoration-color:#fff;text-decoration-color:#fff } .style-module--container--30Ip7 a h4{ color:#fff;font-size:21px;font-
weight:700;margin:0;display:inline } .style-module--container--30Ip7 a div{ margin-left:7px;display:inline-
block;vertical-align:middle;top:-10px } .rc-slider{ position:relative;height:14px;padding:5px 0;width:100%;border-
radius:6px;-ms-touch-action:none;touch-action:none } .rc-slider,.rc-slider *{ box-sizing:border-box;-webkit-tap-
highlight-color:rgba(0,0,0,0) } .rc-slider-rail{ width:100%;background-color:#e9e9e9 } .rc-slider-rail,.rc-slider-
track{ position:absolute;height:4px;border-radius:6px } .rc-slider-track{ left:0;background-color:#abe2fb } .rc-slider-
handle{ position:absolute;width:14px;height:14px;cursor:pointer;cursor:-webkit-grab;margin-top:-
5px;cursor:grab;border-radius:50%;border:2px solid #96dbfa;background-color:#fff;-ms-touch-action:pan-x;touch-
action:pan-x } .rc-slider-handle-dragging.rc-slider-handle-dragging.rc-slider-handle-dragging{ border-
color:#57c5f7;box-shadow:0 0 5px #96dbfa } .rc-slider-handle:focus{ outline:none } .rc-slider-handle-click-
focused:focus{ border-color:#96dbfa;box-shadow:unset } .rc-slider-handle:hover{ border-color:#57c5f7 } .rc-slider-
handle:active{ border-color:#57c5f7;box-shadow:0 0 5px #57c5f7;cursor:-webkit-grabbing;cursor:grabbing } .rc-
slider-mark{ position:absolute;top:18px;left:0;width:100%;font-size:12px } .rc-slider-mark-
text{ position:absolute;display:inline-block;vertical-align:middle;text-align:center;cursor:pointer;color:#999 } .rc-
slider-mark-text-active{ color:#666 } .rc-slider-
step{ position:absolute;width:100%;height:4px;background:transparent } .rc-slider-dot{ position:absolute;bottom:-
2px;margin-left:-4px;width:8px;height:8px;border:2px solid #e9e9e9;background-color:#fff;cursor:pointer;border-
radius:50%;vertical-align:middle } .rc-slider-dot-active{ border-color:#96dbfa } .rc-slider-dot-reverse{ margin-right:-
4px } .rc-slider-disabled{ background-color:#e9e9e9 } .rc-slider-disabled .rc-slider-track{ background-color:#ccc } .rc-
slider-disabled .rc-slider-dot,.rc-slider-disabled .rc-slider-handle{ border-color:#ccc;box-shadow:none;background-
color:#fff;cursor:not-allowed } .rc-slider-disabled .rc-slider-dot,.rc-slider-disabled .rc-slider-mark-text{ cursor:not-
allowed!important } .rc-slider-vertical{ width:14px;height:100%;padding:0 5px } .rc-slider-vertical .rc-slider-
rail{ height:100%;width:4px } .rc-slider-vertical .rc-slider-track{ left:5px;bottom:0;width:4px } .rc-slider-vertical .rc-
slider-handle{ margin-left:-5px;-ms-touch-action:pan-y;touch-action:pan-y } .rc-slider-vertical .rc-slider-
mark{ top:0;left:18px;height:100% } .rc-slider-vertical .rc-slider-step{ height:100%;width:4px } .rc-slider-vertical .rc-
slider-dot{ left:2px;margin-bottom:-4px } .rc-slider-vertical .rc-slider-dot:first-child,.rc-slider-vertical .rc-slider-
dot:last-child{ margin-bottom:-4px } .rc-slider-tooltip-zoom-down-appear,.rc-slider-tooltip-zoom-down-enter,.rc-
slider-tooltip-zoom-down-leave{-webkit-animation-duration:.3s;animation-duration:.3s;-webkit-animation-fill-
mode:both;animation-fill-mode:both;display:block!important;-webkit-animation-play-state:paused;animation-play-
state:paused } .rc-slider-tooltip-zoom-down-appear.rc-slider-tooltip-zoom-down-appear-active,.rc-slider-tooltip-
zoom-down-enter.rc-slider-tooltip-zoom-down-enter-active{-webkit-animation-
name:rcSliderTooltipZoomDownIn;animation-name:rcSliderTooltipZoomDownIn;-webkit-animation-play-
state:running;animation-play-state:running } .rc-slider-tooltip-zoom-down-leave.rc-slider-tooltip-zoom-down-leave-
active{-webkit-animation-name:rcSliderTooltipZoomDownOut;animation-name:rcSliderTooltipZoomDownOut;-
webkit-animation-play-state:running;animation-play-state:running } .rc-slider-tooltip-zoom-down-appear,.rc-slider-
tooltip-zoom-down-enter{-ms-transform:scale(0);transform:scale(0);-webkit-animation-timing-function:cubic-
bezier(.23,1,.32,1);animation-timing-function:cubic-bezier(.23,1,.32,1) } .rc-slider-tooltip-zoom-down-leave{-
webkit-animation-timing-function:cubic-bezier(.755,.05,.855,.06);animation-timing-function:cubic-
bezier(.755,.05,.855,.06) } @-webkit-keyframes rcSliderTooltipZoomDownIn{ 0% { opacity:0;transform-origin:50%
100%;transform:scale(0) } to{ transform-origin:50% 100%;transform:scale(1) } } @keyframes
rcSliderTooltipZoomDownIn{ 0% { opacity:0;transform-origin:50% 100%;transform:scale(0) } to{ transform-
origin:50% 100%;transform:scale(1) } } @-webkit-keyframes rcSliderTooltipZoomDownOut{ 0% { transform-

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origin:50% 100%;transform:scale(1)}to{opacity:0;transform-origin:50% 100%;transform:scale(0)}@keyframes
rcSliderTooltipZoomDownOut{0%{transform-origin:50% 100%;transform:scale(1)}to{opacity:0;transform-
origin:50% 100%;transform:scale(0)}}.rc-slider-tooltip{position:absolute;left:-9999px;top:-
9999px;visibility:visible}.rc-slider-tooltip,.rc-slider-tooltip *{box-sizing:border-box;-webkit-tap-highlight-
color:rgba(0,0,0,0)}.rc-slider-tooltip-hidden{display:none}.rc-slider-tooltip-placement-top{padding:4px 0 8px}.rc-
slider-tooltip-inner{padding:6px 2px;min-width:24px;height:24px;font-size:12px;line-height:1;color:#fff;text-
align:center;text-decoration:none;background-color:#6c6c6c;border-radius:6px;box-shadow:0 0 4px #d9d9d9}.rc-
slider-tooltip-arrow{position:absolute;width:0;height:0;border-color:transparent;border-style:solid}.rc-slider-tooltip-
placement-top .rc-slider-tooltip-arrow{bottom:4px;left:50%;margin-left:-4px;border-width:4px 4px 0;border-top-
color:#6c6c6c}.style-module--pricingCalculator--D5Y17{position:relative;z-index:1}@media screen and (max-
width:767px){.style-module--pricingCalculator--D5Y17{-ms-flex-direction:column;flex-direction:column}}.style-
module--pricingCalculator--D5Y17 .style-module--container--2yYu5{display:-ms-flexbox;display:flex}@media
screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--container--2yYu5{-ms-
flex-direction:column;flex-direction:column}}.style-module--pricingCalculator--D5Y17 .style-module--
mainCalculator--YXJeD{display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-
direction:column;width:77.8rem}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17
.style-module--mainCalculator--YXJeD{width:100%;-ms-flex-direction:column;flex-direction:column}}.style-
module--pricingCalculator--D5Y17 .style-module--accordion--1Xd_0{height:-webkit-max-content;height:-moz-
max-content;height:max-content}.style-module--pricingCalculator--D5Y17 .style-module--accordionItem--
3qJxX{border:7px solid hsla(0,0%,96.1%,.85);border-radius:8px;min-height:12.5rem;background:#fff;margin-
bottom:1rem}.style-module--pricingCalculator--D5Y17 .style-module--accordionItem--3qJxX:last-of-type{margin-
bottom:0}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--
accordionItem--3qJxX{border:none;max-height:none}}.style-module--pricingCalculator--D5Y17 .style-module--
accordionItemActive--1Z_Bc{box-sizing:border-box;background:#fff}.style-module--pricingCalculator--D5Y17
.style-module--accordionItemActive--1Z_Bc .style-module--accordionItemTitle--2H98i{background:#fff;font-
size:2.1rem;font-weight:500}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17
.style-module--accordionItemActive--1Z_Bc .style-module--accordionItemTitle--2H98i{font-size:2.1rem;font-
weight:500}}.style-module--pricingCalculator--D5Y17 .style-module--accordionItemTitle--
2H98i{background:hsla(0,0%,96.1%,.85);font-size:1.8rem;font-weight:400;padding:4.5rem 2rem;transition:all
.35s;position:relative}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-
module--accordionItemTitle--2H98i{font-size:2.1rem;font-weight:500;padding:2rem 3.75rem 0;line-height:1.6;min-
height:0;text-align:center;background:none}}.style-module--pricingCalculator--D5Y17 .style-module--
accordionItemTitleRight--3qb7l{color:#173361;font-weight:300;font-size:1.6rem;display:inline-
block;position:absolute;right:2rem}@media screen and (max-width:767px){.style-module--pricingCalculator--
D5Y17 .style-module--accordionItemTitleRight--3qb7l{display:none}}.style-module--pricingCalculator--D5Y17
.style-module--accordionItemTitleValue--131ck{display:inline-block;width:auto;padding-left:1.5rem}.style-
module--pricingCalculator--D5Y17 .style-module--accordionItemIndicator--
1YIUh{display:none!important}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17
.style-module--accordionItemPanel--2tczN{opacity:1!important;padding-left:1.2rem;padding-right:1.2rem;border-
bottom:.7rem solid hsla(0,0%,96.1%,.85)}.style-module--pricingCalculator--D5Y17 .style-module--
accordionItemPanel--2tczN:last-of-type{border-bottom:none}}.style-module--pricingCalculator--D5Y17 .style-
module--section1--1-8KW{padding:3.2rem 3.6rem 2.5rem}@media screen and (max-width:767px){.style-module--
pricingCalculator--D5Y17 .style-module--section1--1-8KW{padding:3.2rem 0 2.5rem}}.style-module--
pricingCalculator--D5Y17 .style-module--fieldLabel--3DLKq{font-size:12px;line-height:1.5rem;letter-
spacing:.1rem;padding:.5rem 0;text-transform:uppercase;font-weight:500}@media screen and (max-
width:767px){.style-module--pricingCalculator--D5Y17 .style-module--fieldLabel--3DLKq{font-size:12px;line-
height:1.5rem}}.style-module--pricingCalculator--D5Y17 .style-module--providerContainer--1uY8E{display:-ms-
flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between}@media screen and (max-

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width:767px){.style-module--pricingCalculator--D5Y17 .style-module--providerContainer--1uY8E{-ms-flex-direction:column;flex-direction:column;-ms-flex-align:center;align-items:center}}.style-module--pricingCalculator--D5Y17 .style-module--ctaContainer--uZcE3{margin-top:6.5rem;text-align:center}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--ctaContainer--uZcE3{display:none}}.style-module--pricingCalculator--D5Y17 .style-module--sectionButton--3V1mf:hover{color:#0074a2}.style-module--pricingCalculator--D5Y17 .style-module--providerLabel--1OdUe{width:32%;text-align:center;border-radius:.4rem;border:1px solid rgba(130,148,148,.25);padding:4rem 0;cursor:pointer}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--providerLabel--1OdUe{width:90%;padding:2rem 0}}.style-module--pricingCalculator--D5Y17 .style-module--providerRadio--2TVAt:checked+.style-module--providerLabel--1OdUe{padding:3.9rem 0;border:2px solid #0074a2}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--providerRadio--2TVAt:checked+.style-module--providerLabel--1OdUe{padding:1.9rem 0}}.style-module--pricingCalculator--D5Y17 .style-module--providerRadio--2TVAt{-webkit-appearance:none;-moz-appearance:none;appearance:none;border:none;display:inline;width:0;height:0}.style-module--pricingCalculator--D5Y17 .style-module--section2--dCKMt{padding:3.2rem 3.6rem 2.5rem}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--section2--dCKMt{padding:3.2rem 0 2.5rem}}.style-module--pricingCalculator--D5Y17 .style-module--regionContainer--3x-x5{display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--regionContainer--3x-x5{-ms-flex-direction:column-reverse;flex-direction:column-reverse}}.style-module--pricingCalculator--D5Y17 .style-module--tip--2PliS .style-module--tooltip--385jI{border:.2rem solid #d7eff6;border-radius:.8rem;padding:3rem}.style-module--pricingCalculator--D5Y17 .style-module--tip--2PliS .style-module--tooltip--385jI p{line-height:2.5rem;font-size:1.4rem;text-transform:none}.style-module--pricingCalculator--D5Y17 .style-module--sectionSplit--LnwRO{margin-top:1.5rem;display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--sectionSplit--LnwRO{-ms-flex-direction:column;flex-direction:column}}.style-module--pricingCalculator--D5Y17 .style-module--sectionSplitPart--2IPi_{width:48%;text-align:left}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--sectionSplitPart--2IPi_{text-align:center;width:auto;margin:.5rem}}.style-module--pricingCalculator--D5Y17 .style-module--sectionSplitPartRight--1L7Kv{width:48%;text-align:right}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--sectionSplitPartRight--1L7Kv{text-align:center;width:auto;margin:.5rem}}.style-module--pricingCalculator--D5Y17 .style-module--radioToggle--FwXVV{display:block}.style-module--pricingCalculator--D5Y17 .style-module--radioToggleContainer--2AgyV{display:block;padding:0;margin:0;border-radius:2.5rem;background:hsla(0,0%,96.1%,.85)}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--radioToggleContainer--2AgyV{background:rgba(130,148,148,.25)}}.style-module--pricingCalculator--D5Y17 .style-module--radioToggleRadio--2iXdJ{-webkit-appearance:none;-moz-appearance:none;appearance:none;border:none;display:inline}.style-module--pricingCalculator--D5Y17 .style-module--radioToggleLabel--2WfMo{padding:.5rem 0;width:50%;text-align:center;border-radius:2.5rem;background:transparent;border:2px solid transparent;font-size:12px;color:#829494;text-transform:uppercase;margin:0;opacity:1}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--radioToggleLabel--2WfMo{padding:.5rem 0}}.style-module--pricingCalculator--D5Y17 .style-module--radioToggleInvalid--2i_eO{opacity:.5;text-decoration:line-through;cursor:not-allowed}.style-module--pricingCalculator--D5Y17 .style-module--radioToggleRadio--2iXdJ:checked+.style-module--radioToggleLabel--2WfMo{background:#0074a2;color:#fff}.style-module--pricingCalculator--D5Y17 .style-module--radioToggleRadio--2iXdJ:active+.style-module--radioToggleLabel--2WfMo,.style-module--pricingCalculator--D5Y17 .style-module--radioToggleRadio--2iXdJ:focus+.style-module--radioToggleLabel--2WfMo{border-color:rgba(130,148,148,.25)}.style-module--pricingCalculator--D5Y17 .style-module--

radioToggleRadio--2iXdJ:checked:active+.style-module--radioToggleLabel--2WfMo,.style-module--pricingCalculator--D5Y17 .style-module--radioToggleRadio--2iXdJ:checked:focus+.style-module--radioToggleLabel--2WfMo{border-color:#173361}.style-module--pricingCalculator--D5Y17 .style-module--section3--2NVYM{padding:0 3.6rem 5rem}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--section3--2NVYM{padding:0 0 5rem}},.style-module--pricingCalculator--D5Y17 .style-module--sliderContainer--1W4g0{margin:.5rem 0 2.5rem}.style-module--pricingCalculator--D5Y17 .style-module--slider--3yHlc{margin:0}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--slider--3yHlc{margin-left:1.5rem;width:calc(100vw - 6rem)}}.style-module--pricingCalculator--D5Y17 .style-module--display--20DIQ{display:block;width:38.5rem;margin-left:1.8rem;background:#fff;box-shadow:0 4px 20px rgba(0,0,0,.25);border-radius:8px;padding:1.7rem 2.5rem 2.5rem}.style-module--pricingCalculator--D5Y17 .style-module--display--20DIQ .style-module--sectionSplit--LnwRO{margin:.8rem 0}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--display--20DIQ{width:100%;margin:1rem 0;height:auto;padding:1.6rem}.style-module--pricingCalculator--D5Y17 .style-module--display--20DIQ .style-module--sectionSplit--LnwRO{-ms-flex-direction:row;flex-direction:row}.style-module--pricingCalculator--D5Y17 .style-module--display--20DIQ .style-module--sectionSplitPart--2IPi_{width:49%;text-align:left}.style-module--pricingCalculator--D5Y17 .style-module--display--20DIQ .style-module--sectionSplitPartRight--1L7Kv{width:49%;text-align:right}}.style-module--pricingCalculator--D5Y17 .style-module--displayHeading--2YFNw{font-size:1.6rem;font-weight:700;color:#173361;margin:0 0 1rem;text-align:left}.style-module--pricingCalculator--D5Y17 .style-module--displayHeadingRight--2YZUJ{font-size:1.6rem;font-weight:700;color:#173361;margin:0 0 1rem;text-align:right}.style-module--pricingCalculator--D5Y17 .style-module--displayLabel--3Czd1{text-transform:uppercase;color:#829494;font-size:1.2rem;letter-spacing:.1em;text-align:left}.style-module--pricingCalculator--D5Y17 .style-module--displayRate--6lzLc{font-size:1.6rem;font-weight:300;white-space:nowrap;text-align:left}.style-module--pricingCalculator--D5Y17 .style-module--displayNumber--19Obs{font-size:2.4rem;font-weight:500;color:#173361;line-height:2}.style-module--pricingCalculator--D5Y17 .style-module--displayButton--2W6-3{width:100%;margin:2rem 0 1rem}.style-module--pricingCalculator--D5Y17 .style-module--displayTotal--3qT-N{font-size:3.5rem;font-weight:700;color:#173361;line-height:1;margin-bottom:1.5rem}.style-module--pricingCalculator--D5Y17 .style-module--marketingText--2XB0U{text-align:center;color:#173361;font-size:1.4rem}.style-module--pricingCalculator--D5Y17 .style-module--displayDiscount--lkCPC{display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;padding:1rem 0}.style-module--pricingCalculator--D5Y17 .style-module--discountStripe--1UpvG{-ms-flex-positive:1;flex-grow:1;border-radius:.7rem;height:.7rem;background-color:#c5832e}.style-module--pricingCalculator--D5Y17 .style-module--discountNumber--1cCud{display:inline-block;width:auto;margin-left:1.5rem;color:#c5832e;font-size:1.8rem;font-weight:700}.style-module--pricingCalculator--D5Y17 .style-module--disclaimerText--OKPyn{text-align:center;padding:1.5rem 0 0;font-size:1.2rem}.style-module--calculatorHead--1gPIe{position:relative}.style-module--calculatorHeadTitle--1S4o-{text-align:center}.style-module--calculatorHeadSummary--2M6_A{text-align:center;width:700px;max-width:100%;margin:40px auto;font-weight:lighter}.style-module--cardsContainer--1b4zg{padding:5rem 0;display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between}@media screen and (max-width:767px){.style-module--cardsContainer--1b4zg{-ms-flex-direction:column;flex-direction:column}}.style-module--calculatorCard--Q2frv{border:7px solid hsla(0,0%,96.1%,.85);width:49%;padding:6rem}@media screen and (max-width:767px){.style-module--calculatorCard--Q2frv:first-of-type{margin-bottom:1.5rem}}.style-module--calculatorCard--Q2frv .style-module--calculatorCardContent--GnTWx{text-align:center;font-weight:700;font-size:1.8rem;line-height:2.3rem;color:#173361;height:12rem}.style-module--calculatorCard--Q2frv>div>div{text-align:center}@media screen and (max-width:767px){.style-module--calculatorCard--Q2frv{width:auto;padding:3rem}.style-module--calculatorCard--Q2frv .style-module--calculatorCardContent--GnTWx{font-size:1.6rem}}.index-module--page--1UpMf.index-module--hero--PIh19.index-module--cloudProviders--1IMBN{margin:30px auto;padding:0;list-style:none;display:-ms-flexbox;display:flex;-ms-flex-

pack:justify;justify-content:space-between;max-width:340px}.index-module--page--1UpMf .index-module--hero--PIh19 .index-module--cloudProviders--1IMBN li{-ms-flex:1 1;flex:1 1}.index-module--page--1UpMf .index-module--hero--PIh19 .index-module--cloudProviders--1IMBN li:last-of-type img{height:38px}.index-module--page--1UpMf .index-module--hero--PIh19 .index-module--cloudProviders--1IMBN img{width:auto}.index-module--page--1UpMf .index-module--hero--PIh19 .index-module--content--18XtX{margin:0 auto;max-width:620px}.index-module--page--1UpMf .index-module--hero--PIh19 .index-module--content--18XtX p{margin-top:30px}.index-module--page--1UpMf .index-module--hero--PIh19 .index-module--cta--2wZ_J: hover{background:#38cccd;border-color:#38cccd}.index-module--page--1UpMf .index-module--container--3d16M{padding:65px 15px 0;background-color:#fff}@media screen and (min-width:992px){.index-module--page--1UpMf .index-module--container--3d16M{padding:100px 150px 65px!important}}.index-module--page--1UpMf .index-module--calculatorContainer--2AKga{padding:0 15px;background-color:#fff}@media screen and (min-width:992px){.index-module--page--1UpMf .index-module--calculatorContainer--2AKga{padding:0 150px!important}}.index-module--page--1UpMf .index-module--item--22UIM{-ms-flex:0 1 300px!important;flex:0 1 300px!important;margin-bottom:50px}@media screen and (min-width:992px){.index-module--page--1UpMf .index-module--item--22UIM{-ms-flex-preferred-size:calc(50% - 20px)!important;flex-basis:calc(50% - 20px)!important}}.index-module--page--1UpMf .index-module--item--22UIM>div:first-child{margin-right:15px}.index-module--page--1UpMf .index-module--copy--1ftLS{font-weight:300;line-height:1.86;color:#000;font-size:14px;text-align:center;margin-top:37px;margin-bottom:85px}.index-module--page--1UpMf .index-module--testimonial--28VhI{box-shadow:none}@media screen and (min-width:768px){.index-module--page--1UpMf .index-module--testimonial--28VhI ul{overflow-x:hidden}}.index-module--page--1UpMf .index-module--testimonialWhyConfluentWrapper--3LmbR{padding-top:30px}@media screen and (min-width:768px){.index-module--page--1UpMf .index-module--testimonialWhyConfluentWrapper--3LmbR{padding:183px 0 40px}}.index-module--page--1UpMf .index-module--featureSection--QSZ7m .index-module--featureContainer--VEZYr>div>div{min-width:260px}.index-module--page--1UpMf .index-module--pricingTierClassName--1woLd{-ms-flex-preferred-size:33.33%;flex-basis:33.33%}@media screen and (max-width:991px){.index-module--page--1UpMf .index-module--pricingTierClassName--1woLd p,.index-module--page--1UpMf .index-module--pricingTierClassName--1woLd strong{font-size:14px}}.index-module--page--1UpMf .index-module--rowClassName--2VMt8>div{width:33.33%}.index-module--page--1UpMf .index-module--rowClassName--2VMt8>div:last-of-type{display:none}.index-module--page--1UpMf .index-module--confluentCloudCardSection--2hk5a{padding-top:0}@media screen and (min-width:768px){.index-module--page--1UpMf .index-module--confluentCloudCardSection--2hk5a .index-module--confluentCloudCardContent--1Y6kG{display:-ms-flexbox;display:flex}}.index-module--page--1UpMf .index-module--confluentCloudCardSection--2hk5a .index-module--confluentCloudCard--1wO0b{background-color:#e6f5fb;padding:70px 35px;margin:10px}@media screen and (min-width:768px){.index-module--page--1UpMf .index-module--confluentCloudCardSection--2hk5a .index-module--confluentCloudCard--1wO0b{-ms-flex:1 1;flex:1 1;padding:100px 45px}}.index-module--page--1UpMf .index-module--confluentCloudCardSection--2hk5a .index-module--confluentCloudCard--1wO0b div{text-align:center}.index-module--page--1UpMf .index-module--confluentCloudCardSection--2hk5a .index-module--confluentCloudCard--1wO0b a{margin-top:30px}.index-module--page--1UpMf .index-module--confluentCloudCardSection--2hk5a .index-module--confluentCloudCard--1wO0b h3{color:#173361;width:80%;margin:auto}.tryfree-module--page--12u8F{overflow-x:hidden}.tryfree-module--page--12u8F .tryfree-module--heroContent--EfkFT{-ms-flex-align:start;align-items:flex-start}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS>div{position:relative}@media screen and (min-width:992px){.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--heroContent--EfkFT{position:relative;max-width:580px;width:60%}}@media screen and (min-width:1200px){.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--heroImage--DARre{right:90px;bottom:30px;position:absolute}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--heroImage--DARre img{max-width:900px}}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--content--2WOfs{margin:30px 0}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--

cloudProviders--1YTxr{margin:15px 0}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS>div{-ms-flex-align:start;align-items:flex-start}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--primaryCtaContainer--3Qrsn{margin-top:15px}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--cloudProviders--1YTxr{padding:0;list-style:none;display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;max-width:340px}@media screen and (max-width:991px){.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--cloudProviders--1YTxr{max-width:none;-ms-flex-pack:center;justify-content:center}}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--cloudProviders--1YTxr li:not(:last-of-type){margin-right:40px}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--cloudProviders--1YTxr li:last-of-type img{height:38px}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--cloudProviders--1YTxr img{width:auto}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--cta--yHvzZ:hover{background:#38ccd;border-color:#38ccd}.tryfree-module--page--12u8F .tryfree-module--doMoreContent--h0AII div{width:90%}.tryfree-module--page--12u8F #logos{margin-bottom:15px}.tryfree-module--page--12u8F #key-points{padding-top:0}@media screen and (min-width:768px){.tryfree-module--page--12u8F .tryfree-module--confluentCloudCardContent--2jeKC{display:-ms-flexbox;display:flex}}.tryfree-module--page--12u8F .tryfree-module--confluentCloudCardContent--2jeKC .tryfree-module--confluentCloudCard--2sNFs{padding:70px 35px;margin:10px;border-radius:8px;border:7px solid hsla(0,0%,96.1%,.85)}@media screen and (min-width:768px){.tryfree-module--page--12u8F .tryfree-module--confluentCloudCardContent--2jeKC .tryfree-module--confluentCloudCard--2sNFs{-ms-flex:1 1;flex:1 1;padding:100px 45px}}.tryfree-module--page--12u8F .tryfree-module--confluentCloudCardContent--2jeKC .tryfree-module--confluentCloudCard--2sNFs div{text-align:center;-ms-flex-align:center;align-items:center}.tryfree-module--page--12u8F .tryfree-module--confluentCloudCardContent--2jeKC .tryfree-module--confluentCloudCard--2sNFs a{margin-top:30px}.tryfree-module--page--12u8F .tryfree-module--confluentCloudCardContent--2jeKC .tryfree-module--confluentCloudCard--2sNFs h3{color:#173361;width:80%;margin:auto}.tryfree-module--page--12u8F .tryfree-module--pricingTierClassName--fg28d{-ms-flex-preferred-size:33.33%;flex-basis:33.33%}@media screen and (max-width:991px){.tryfree-module--page--12u8F .tryfree-module--pricingTierClassName--fg28d p,.tryfree-module--page--12u8F .tryfree-module--pricingTierClassName--fg28d strong{font-size:14px}}.tryfree-module--page--12u8F .tryfree-module--rowClassName--33R8i>div{width:33.33%}.tryfree-module--page--12u8F .tryfree-module--rowClassName--33R8i>div:last-of-type{display:none}.tryfree-module--page--12u8F .tryfree-module--estimateTitle--1dPZB{margin-bottom:0}.tryfree-module--page--12u8F .tryfree-module--copy--2oYm3{font-weight:300;line-height:1.86;color:#000;font-size:16px;text-align:center;width:800px;max-width:100%;margin:50px auto 100px}@media screen and (max-width:991px){.tryfree-module--page--12u8F .tryfree-module--copy--2oYm3{margin:50px auto}}.tryfree-module--page--12u8F .tryfree-module--contactBlurb--blmwN{text-align:center;margin-top:30px;margin-bottom:50px}.style-module--page--16hJw .style-module--heroSection--12Xfi>div{-ms-flex-pack:justify;justify-content:space-between}@media screen and (max-width:991px){.style-module--page--16hJw .style-module--heroSection--12Xfi>div{-ms-flex-direction:column;flex-direction:column;padding-top:50px;padding-bottom:50px}}.style-module--page--16hJw .style-module--heroSection--12Xfi .style-module--rightColumn--3cEw5{width:40%;margin-left:50px;max-width:510px}@media screen and (max-width:991px){.style-module--page--16hJw .style-module--heroSection--12Xfi .style-module--rightColumn--3cEw5{width:90%;margin-left:0;margin-top:50px}}.style-module--page--16hJw .style-module--heroSection--12Xfi .style-module--rightColumn--3cEw5 img.style-module--clickable--15TDK{cursor:pointer}.style-module--page--16hJw .style-module--heroSection--12Xfi .style-module--rightColumn--3cEw5 p{color:#fff;font-size:12px;font-weight:300;line-height:1.3;margin-top:5px}@media screen and (max-width:991px){.style-module--page--16hJw .style-module--heroSection--12Xfi .style-module--rightColumn--3cEw5 p{text-align:center}}@media screen and (min-width:992px){.style-module--page--16hJw .style-module--heroSection--12Xfi .style-module--leftColumn--2kQa6{width:65%}}.style-module--page--16hJw .style-module--heroSection--12Xfi .style-module--leftColumn--2kQa6 ul{margin:50px 0 0;padding:0;list-style-position:inside}.style-module--page--16hJw .style-module--resourcesSection--2OYkn .style-module--grid--MYGSI

.style-module--card--1eZOv{background:hsla(0,0%,100%,.5)}.style-module--page--16hJw .style-module--resourcesSection--2OYkn .style-module--grid--MYGSI .style-module--card--1eZOv>{*{text-align:center}.style-module--page--16hJw .style-module--resourcesSection--2OYkn .style-module--grid--MYGSI .style-module--card--1eZOv p{margin:0 auto 30px}.style-module--page--16hJw .style-module--resourcesSection--2OYkn .style-module--grid--MYGSI .style-module--card--1eZOv a{margin-bottom:10px}.style-module--page--16hJw .style-module--resourcesSection--2OYkn .style-module--grid--MYGSI .style-module--card--1eZOv .style-module--ctaContainer--dYlaW{margin:auto 0}.style-module--page--16hJw .style-module--resourcesSection--2OYkn .style-module--grid--MYGSI .style-module--card--1eZOv .style-module--ctaContainer--dYlaW a+a{margin-left:10px}.style-module--page--16hJw .style-module--whySection--2bt8R .style-module--title--1OmKY{display:block}.style-module--page--16hJw .style-module--whySection--2bt8R .style-module--accordion--12W8x .style-module--content--VbhfO{line-height:1.63;padding:50px 90px;text-align:left}@media screen and (max-width:767px){.style-module--page--16hJw .style-module--whySection--2bt8R .style-module--accordion--12W8x .style-module--content--VbhfO{padding:50px 25px}}.style-module--page--16hJw .style-module--whySection--2bt8R .style-module--accordion--12W8x .style-module--content--VbhfO ul{margin:20px 0;padding:0;list-style:none}.style-module--page--16hJw .style-module--whySection--2bt8R .style-module--accordion--12W8x .style-module--content--VbhfO ul li{background:#fff;margin-bottom:10px;padding:20px;font-size:14px;font-weight:500;line-height:1.79}.style-module--page--16hJw .style-module--whySection--2bt8R .style-module--accordion--12W8x .style-module--content--VbhfO ul li:last-child{margin-bottom:0}.style-module--page--16hJw .style-module--whySection--2bt8R .style-module--accordion--12W8x .style-module--content--VbhfO ul ul{list-style-type:disc;list-style-position:inside}.style-module--page--16hJw .style-module--whySection--2bt8R .style-module--accordion--12W8x .style-module--content--VbhfO ul ul li{padding:0;font-weight:400}.style-module--page--16hJw .style-module--benefitSection--nY1h0 ul{-ms-flex-direction:column;flex-direction:column;width:90%;margin:0 auto;max-width:800px}.style-module--page--16hJw .style-module--benefitSection--nY1h0 ul h4{color:#173361}.style-module--page--16hJw .style-module--benefitSection--nY1h0 ul li{margin:0 0 50px}.style-module--page--16hJw .style-module--benefitSection--nY1h0 ul li:last-child{margin-bottom:0}.style-module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW{margin:10px 0;display:-ms-flexbox;display:flex;text-align:left}@media screen and (max-width:767px){.style-module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW{-ms-flex-direction:column;flex-direction:column}}.style-module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW div{padding:20px 20px 30px;-ms-flex:1 1;flex:1 1}@media screen and (max-width:767px){.style-module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW div{padding:20px}}.style-module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3_VN{text-align:center}@media screen and (max-width:767px){.style-module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3_VN{display:none}}.style-module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3_VN div{background:none}.style-module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3_VN div:not(.style-module--emptyCell---gCTw){border-radius:4px;margin:0 5px;padding:10px;color:#173361;font-size:18px;font-weight:700;line-height:23px}.style-module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3_VN div:not(.style-module--emptyCell---gCTw):last-child{margin-right:0}.style-module--page--16hJw .style-module--featureSection--VVqNM .style-module--items--2m8yP{display:-ms-flexbox;display:flex;-ms-flex-pack:start;justify-content:flex-start}.style-module--page--16hJw .style-module--featureSection--VVqNM .style-module--items--2m8yP>li{border:2px solid rgba(130,148,148,.25);border-radius:8px;margin:5px 0;width:100%;-ms-flex:none!important;flex:none!important;padding:20px 15px}@media screen and (max-width:767px){.style-module--page--16hJw .style-module--featureSection--VVqNM .style-module--items--

2m8yP>li{ width:100% !important } .style-module--page--16hJw .style-module--featureSection--VVqNM .style-module--items--2m8yP>li h4{ color:#000 } .style-module--page--16hJw .style-module--featureSection--VVqNM .style-module--col4--1kPzz .style-module--items--2m8yP>li{ margin-right:10px; width:calc((100% - 30px)/4) } .style-module--page--16hJw .style-module--featureSection--VVqNM .style-module--col4--1kPzz .style-module--items--2m8yP>li:nth-child(4n){ margin-right:0 } @media screen and (max-width:991px){ .style-module--page--16hJw .style-module--featureSection--VVqNM .style-module--col4--1kPzz .style-module--items--2m8yP>li{ width:calc((100% - 20px)/2) } .style-module--page--16hJw .style-module--featureSection--VVqNM .style-module--col3--yF8zI .style-module--items--2m8yP>li{ margin-right:10px; width:calc((100% - 20px)/3) } .style-module--page--16hJw .style-module--featureSection--VVqNM .style-module--col3--yF8zI .style-module--items--2m8yP>li:nth-child(3n){ margin-right:0 } .style-module--page--16hJw .style-module--moreReleaseSection--eFAVF .style-module--content--VbhfO{ color:#000; font-size:16px; font-weight:300; line-height:25px; letter-spacing:0; text-align:center } .style-module--page--16hJw .style-module--moreReleaseSection--eFAVF .style-module--content--VbhfO h3{ color:#173361; font-size:12px; font-weight:500; line-height:2.67; letter-spacing:2px; text-transform:uppercase } .style-module--page--16hJw .style-module--moreReleaseSection--eFAVF .style-module--content--VbhfO p{ margin-bottom:50px; max-width:720px } .style-module--purple--2FtjE .style-module--benefitSection--nY1h0, .style-module--purple--2FtjE .style-module--trySection--1GXCx{ background:rgba(85,29,157,.03) } .style-module--purple--2FtjE .style-module--moreReleaseSection--eFAVF, .style-module--purple--2FtjE .style-module--resourcesSection--2OYkn{ background:rgba(85,29,157,.1) } .style-module--purple--2FtjE .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW:not(.style-module--header--3_VN) div{ background:rgba(85,29,157,.03); color:#000; font-size:16px; font-weight:300; line-height:25px; letter-spacing:0 } .style-module--purple--2FtjE .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW:not(.style-module--header--3_VN) .style-module--bold--1-JIS{ color:#551d9d; font-size:21px; font-weight:500; line-height:27px } .style-module--purple--2FtjE .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3_VN div:not(.style-module--emptyCell--gCTw){ background:#551d9d; color:#fff } .style-module--green--2GuAI .style-module--benefitSection--nY1h0, .style-module--green--2GuAI .style-module--trySection--1GXCx{ background:rgba(21,158,134,.03) } .style-module--green--2GuAI .style-module--moreReleaseSection--eFAVF, .style-module--green--2GuAI .style-module--resourcesSection--2OYkn{ background:rgba(21,158,134,.1) } .style-module--green--2GuAI .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW:not(.style-module--header--3_VN) div{ background:rgba(21,158,134,.03); color:#000; font-size:16px; font-weight:300; line-height:25px; letter-spacing:0 } .style-module--green--2GuAI .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW:not(.style-module--header--3_VN) .style-module--bold--1-JIS{ color:#159e86; font-size:21px; font-weight:500; line-height:27px } .style-module--green--2GuAI .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3_VN div:not(.style-module--emptyCell--gCTw){ background:#159e86; color:#fff } .style-module--blue--3yMuA .style-module--benefitSection--nY1h0, .style-module--blue--3yMuA .style-module--trySection--1GXCx{ background:rgba(13,172,204,.03) } .style-module--blue--3yMuA .style-module--moreReleaseSection--eFAVF, .style-module--blue--3yMuA .style-module--resourcesSection--2OYkn{ background:rgba(13,172,204,.1) } .style-module--blue--3yMuA .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW:not(.style-module--header--3_VN) div{ background:rgba(13,172,204,.03); color:#000; font-size:16px; font-weight:300; line-height:25px; letter-spacing:0 } .style-module--blue--3yMuA .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW:not(.style-module--header--3_VN) .style-module--bold--1-JIS{ color:#0dacc; font-size:21px; font-weight:500; line-height:27px } .style-module--blue--3yMuA .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3_VN div:not(.style-module--emptyCell--gCTw){ background:#0dacc; color:#fff } .style-module--orange--mKAYd .style-module--benefitSection--nY1h0, .style-module--orange--mKAYd .style-module--trySection--1GXCx{ background:rgba(227,125,98,.03) } .style-module--orange--mKAYd .style-module--moreReleaseSection--

eFAVF,.style-module--orange--mKAYd .style-module--resourcesSection--
2OYkn{background:rgba(227,125,98,.1)}.style-module--orange--mKAYd .style-module--benefitSection--nY1h0
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div{background:rgba(227,125,98,.03);color:#000;font-size:16px;font-weight:300;line-height:25px;letter-
spacing:0}.style-module--orange--mKAYd .style-module--benefitSection--nY1h0 .style-module--table--32JBF
.style-module--row--FZfaW:not(.style-module--header--3-_VN) .style-module--bold--1-JIS{color:#e37d62;font-
size:21px;font-weight:500;line-height:27px}.style-module--orange--mKAYd .style-module--benefitSection--nY1h0
.style-module--table--32JBF .style-module--header--3-_VN div:not(.style-module--emptyCell---
gCTw){background:#e37d62;color:#fff}.style-module--grey--1eGst .style-module--benefitSection--nY1h0,.style-
module--grey--1eGst .style-module--trySection--1GXCx{background:rgba(88,120,140,.03)}.style-module--grey--
1eGst .style-module--moreReleaseSection--eFAVF,.style-module--grey--1eGst .style-module--resourcesSection--
2OYkn{background:rgba(88,120,140,.1)}.style-module--grey--1eGst .style-module--benefitSection--nY1h0 .style-
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spacing:0}.style-module--grey--1eGst .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-
module--row--FZfaW:not(.style-module--header--3-_VN) .style-module--bold--1-JIS{color:#58788c;font-
size:21px;font-weight:500;line-height:27px}.style-module--grey--1eGst .style-module--benefitSection--nY1h0
.style-module--table--32JBF .style-module--header--3-_VN div:not(.style-module--emptyCell---
gCTw){background:#58788c;color:#fff}.style-module--project_metamorphosis_cost_effective--3HwjK .style-
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width:142px}@media screen and (max-width:767px){.style-module--project_metamorphosis_cost_effective--
3HwjK .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW div:first-
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License | Confluent</title><link data-react-helmet="true" href="/css/wp.css" rel="stylesheet"/><meta data-react-
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complete execution of Kafka for the Enterprise, to help you run your business in real time."/><meta data-react-
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of Apache Kafka, delivers a complete execution of Kafka for the Enterprise, to help you run your business in real
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j=d.createElement(s),dl=l!='dataLayer'?'&l='+l:'';j.async=true;j.src=
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})(window,document,'script','dataLayer','GTM-M58HDC6');</script><link rel="preload" as="font"
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crossorigin="anonymous"/></head><body class=""><noscript><iframe
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1.935c-.661-2.519-2.785-4.107-5.71-4.107-3.635 0-6.467 2.7-6.467 6.309 0 3.608 2.832 6.332 6.466 6.332 2.926 0
5.05-1.635 5.71-4.131M84 20c0 4.455-3.57 8-8 8s-8-3.545-8-8 3.57-8 8-8 3.545 8 8m-1.808 0c0-3.5-2.711-6.318-
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3.2-5.9-2.9zM244.8 8C106.1 8 0 113.3 0 252c0 110.9 69.8 205.8 169.5 239.2 12.8 2.3 17.3-5.6 17.3-12.1 0-6.2-3-40.4-3-61.4 0 0-70 15-84.7-29.8 0 0-11.4-29.1-27.8-36.6 0 0-22.9-15.7 1.6-15.4 0 0 24.9 2 38.6 25.8 21.9 38.6 58.6 27.5 72.9 20.9 2.3-16 8.8-27.1 16-33.7-55.9-6.2-112.3-14.3-112.3-110.5 0-27.5 7.6-41.3 23.6-58.9-2.6-6.5-11.1-33.3 2.6-67.9 20.9-6.5 69 27 69 27 20-5.6 41.5-8.5 62.8-8.5s42.8 2.9 62.8 8.5c0 48.1-33.6 69-27 13.7 34.7 5.2 61.4 2.6 67.9 16 17.7 25.8 31.5 25.8 58.9 0 96.5-58.9 104.2-114.8 110.5 9.2 7.9 17 22.9 17 46.4 0 33.7-3 75.4-.3 83.6 0 6.5 4.6 14.4 17.3 12.1C428.2 457.8 496 362.9 496 252 496 113.3 383.5 8 244.8 8zM97.2 352.9c-1.3 1-1 3.3.7 5.2 1.6 1.6 3.9 2.3 5.2 1 1.3-1 1-3.3-.7-5.2-1.6-1.6-3.9-2.3-5.2-1zm-10.8-8.1c-.7 1.3.3 2.9 2.3 3.9 1.6 1 3.6.7 4.3-.7.7-1.3-.3-2.9-2.3-3.9-2-.6-3.6-.3-4.3.7zm32.4 35.6c-1.6 1.3-1 4.3 1.3 6.2 2.3 2.3 5.2 2.6 6.5 1 1.3-1.3.7-4.3-1.3-6.2-2.2-2.3-5.2-2.6-6.5-1zm-11.4-14.7c-1.6 1-1.6 3.6 0 5.9 1.6 2.3 4.3 3.3 5.6 2.3 1.6-1.3 1.6-3.9 0-6.2-1.4-2.3-4-3.3-5.6-2z"></path></svg><svg stroke="currentColor" fill="currentColor" stroke-width="0" viewBox="0 0 512 512" class="style-module--socialIcon--PjnYm style-module--slideshareIcon--3uHWi" height="1em" width="1em" xmlns="http://www.w3.org/2000/svg"><path d="M187.7 153.7c-34 0-61.7 25.7-61.7 57.7 0 31.7 27.7 57.7 61.7 57.7s61.7-26 61.7-57.7c0-32-27.7-57.7-61.7-57.7zm143.4 0c-34 0-61.7 25.7-61.7 57.7 0 31.7 27.7 57.7 61.7 57.7 34.3 0 61.7-26 61.7-57.7.1-32-27.4-57.7-61.7-57.7zm156.6 90l-6 4.3V49.7c0-27.4-20.6-49.7-46-49.7H76.6c-25.4 0-46 22.3-46 49.7V248c-2-1.4-4.3-2.9-6.3-4.3-15.1-10.6-25.1 4-16 17.7 18.3 22.6 53.1 50.3 106.3 72C58.3 525.1 252 555.7 248.9 457.5c0-.7.3-56.6.3-96.6 5.1 1.1 9.4 2.3 13.7 3.1 0 39.7.3 92.8.3 93.5-3.1 98.3 190.6 67.7 134.3-124 53.1-21.7 88-49.4 106.3-72 9.1-13.8-.9-28.3-16.1-17.8zm-30.5 19.2c-68.9 37.4-128.3 31.1-160.6 29.7-23.7-.9-32.6 9.1-33.7 24.9-10.3-7.7-18.6-15.5-20.3-17.1-5.1-5.4-13.7-8-27.1-7.7-31.7 1.1-89.7 7.4-157.4-28V72.3c0-34.9 8.9-45.7 40.6-45.7h317.7c30.3 0 40.9 12.9 40.9 45.7v190.6z"></path></svg><svg stroke="currentColor" fill="currentColor" stroke-width="0" viewBox="0 0 576 512" class="style-module--socialIcon--PjnYm style-module--youtubeIcon--21oE-" height="1em" width="1em" xmlns="http://www.w3.org/2000/svg"><path d="M549.655 124.083c-6.281-23.65-24.787-42.276-48.284-48.597C458.781 64 288 64 288 64S117.22 64 74.629 75.486c-23.497 6.322-42.003 24.947-48.284 48.597-11.412 42.867-11.412 132.305-11.412 132.305s0 89.438 11.412 132.305c6.281 23.65 24.787 41.5 48.284 47.821C117.22 448 288 448 288 448s170.78 0 213.371-11.486c23.497-6.321 42.003-24.171 48.284-47.821 11.412-42.867 11.412-132.305 11.412-132.305s0-89.438-11.412-132.305zm-317.51 213.508V175.1851142.739 81.205-142.739 81.201z"></path></svg><svg stroke="currentColor" fill="currentColor" stroke-width="0" viewBox="0 0 448 512" class="style-module--socialIcon--PjnYm style-module--instagramIcon--3WweF" height="1em" width="1em" xmlns="http://www.w3.org/2000/svg"><path d="M224.1 141c-63.6 0-114.9 51.3-114.9 114.9s51.3 114.9 114.9 114.9S339 319.5 339 255.9 287.7 141 224.1 141zm0 189.6c-41.1 0-74.7-33.5-74.7-74.7s33.5-74.7 74.7-74.7 74.7 33.5 74.7 74.7-33.6 74.7-74.7 74.7zm146.4-194.3c0 14.9-12 26.8-26.8 26.8-14.9 0-26.8-12-26.8-26.8s12-26.8 26.8-26.8 26.8 12 26.8 26.8zm76.1 27.2c-1.7-35.9-9.9-67.7-36.2-93.9-26.2-26.2-58-34.4-93.9-36.2-37-2.1-147.9-2.1-184.9 0-35.8 1.7-67.6 9.9-93.9 36.1s-34.4 58-36.2 93.9c-2.1 37-2.1 147.9 0 184.9 1.7 35.9 9.9 67.7 36.2 93.9s58 34.4 93.9 36.2c37 2.1 147.9 2.1 184.9 0 35.9-1.7 67.7-9.9 93.9-36.2 26.2-26.2 34.4-58 36.2-93.9 2.1-37 2.1-147.8 0-184.8zM398.8 388c-7.8 19.6-22.9 34.7-42.6 42.6-29.5 11.7-99.5 9-132.1 9s-102.7 2.6-132.1-9c-19.6-7.8-34.7-22.9-42.6-42.6-11.7-29.5-9-99.5-9-132.1s-2.6-102.7 9-132.1c7.8-19.6 22.9-34.7 42.6-42.6 29.5-11.7 99.5-9 132.1-9s102.7-2.6 132.1 9c19.6 7.8 34.7 22.9 42.6 42.6 11.7 29.5 9 99.5 9 132.1s2.7 102.7-9 132.1z"></path></svg><svg stroke="currentColor" fill="currentColor" stroke-width="0" viewBox="0 0 320 512" class="style-module--socialIcon--PjnYm style-module--facebookIcon--29Pqt" height="1em" width="1em" xmlns="http://www.w3.org/2000/svg"><path d="M279.14 288114.22-92.66h-88.91v-60.13c0-25.35 12.42-50.06 52.24-50.06h40.42V6.26S260.43 0 225.36 0c-73.22 0-121.08 44.38-121.08 124.72v70.62H2.89V288h81.39v224h100.17V288z"></path></svg></nav></div></div><div class="style-module--footerBottom--Nm5lk"><div class="style-module--copyright--1gcwO"><p>Copyright Confluent, Inc. 2014->2020. <!-- --> Terms & Conditions <a

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id="__LOADABLE_REQUIRED_CHUNKS__" type="application/json">[]</script><script id="__LOADABLE_REQUIRED_CHUNKS__ext" type="application/json">{"namedChunks":[]}</script><script>!function(){var t=window.driftt=window.drift=window.driftt||[];if(!t.init){if(t.invoked)return void(window.console&&console.error&&console.error("Drift snippet included twice."));t.invoked=!0,t.methods=["identify","config","track","reset","debug","show","ping","page","hide","off","on"],t.factory=function(e){return function(){var n=Array.prototype.slice.call(arguments);return n.unshift(e),t.push(n),t},t.methods.forEach(function(e){t[e]=t.factory(e)}),t.load=function(t){var e=3e5*Math.ceil(new Date/3e5),n=document.createElement("script");n.type="text/javascript",n.async=!0,n.crossorigin="anonymous",n.src="https://js.drifft.com/include/"+e+"/"+t+".js";var o=document.getElementsByTagName("script")[0];o.parentNode.insertBefore(n,o)}}();</script><script id="gatsby-script-loader">*<![CDATA[/window.pagePath="/confluent-community-license/";/*]]>*</script><script id="gatsby-chunk-mapping">*<![CDATA[/window.__chunkMapping={"app":["/app-21ff557440d63499cf51.js"],"CfLandingPageSectionCard":["CfLandingPageSectionCarousel":["CfLandingPageSectionImage":["CfLandingPageSectionText":["component---src-pages-404-js":["/component---src-pages-404-js-a62280e90a18b6f6e2b5.js"],"component---src-pages-about-js":["/component---src-pages-about-js-c8d17b6a92066a3cf011.js"],"component---src-pages-advisory-terms-and-conditions-april-2016-js":["/component---src-pages-advisory-terms-and-conditions-april-2016-js-9f2649e0a6965353c694.js"],"component---src-pages-advisory-terms-and-conditions-js":["/component---src-pages-advisory-terms-and-conditions-js-d90256f69401ecab1336.js"],"component---src-pages-apache-engineering-guidelines-js":["/component---src-pages-apache-engineering-guidelines-js-2971c703e56f1919b90f.js"],"component---src-pages-apache-guidelines-js":["/component---src-pages-apache-guidelines-js-fbf9142d3642b9f40357.js"],"component---src-pages-archives-cloud-customer-dpa-pre-nov-2019-js":["/component---src-pages-archives-cloud-customer-dpa-pre-nov-2019-js-962398ef607e7cddee1a.js"],"component---src-pages-archives-cloud-enterprise-security-addendum-jan-2019-js":["/component---src-pages-archives-cloud-enterprise-security-addendum-jan-2019-js-7f71feaf64c5ac2cf6a.js"],"component---src-pages-archives-confluent-cloud-tos-sept-2019-js":["/component---src-pages-archives-confluent-cloud-tos-sept-2019-js-d503f0495afed1e843dc.js"],"component---src-pages-archives-confluent-privacy-statement-april-2018-js":["/component---src-pages-archives-confluent-privacy-statement-april-2018-js-6df4b452875a55984d26.js"],"component---src-pages-archives-confluent-privacy-statement-january-2020-js":["/component---src-pages-archives-confluent-privacy-statement-january-2020-js-7251ce04885fed56c2f2.js"],"component---src-pages-archives-confluent-privacy-statement-may-2018-js":["/component---src-pages-archives-confluent-privacy-statement-may-2018-js-1d2755944822c34b9f9c.js"],"component---src-pages-archives-confluent-privacy-statement-may-2019-

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1.169 brave-instrumentation-spring-rabbitmq

5.13.2

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.*;version="[1.2,1.3)";resolution:=optional",
"junit.
framework;version="[3.8.1, 5.0.0)";resolution:=optional",

"org.junit.*;resolution:=optional",
"org.apache.
tools.ant.*;version="[1.7.0, 2.0.0)";resolution:=optional",

"org.yaml.*;version="[1.6,2.0)";resolution:=optional",

"!com.beust.testng",
"!org.testng.*",

"!com.sun.*",
"*"
```

Implementation-Vendor: TestNG
Bundle-Name: TestNG
Bundle-Version: 7.4.0
Specification-Version: 7.4.0
Implementation-Url: <https://testng.org>

Found in path(s):

* /opt/cola/permits/1183866027_1648141843.47/0/testng-7-4-0-jar/META-INF/MANIFEST.MF

1.171 curvesapi 1.04

1.171.1 Available under license :

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1.172 io-grpc-grpc-core 1.44.0

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Found in path(s):

```
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/TransportProvider.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/util/ForwardingClientStreamTracer.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/ConscryptLoader.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/InsightBuilder.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/ServiceConfigState.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/ThreadOptimizedDeframer.java
```

```
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/ForwardingDeframerListener.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/JsonUtil.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/ScParser.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/util/ForwardingSubchannel.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/MigratingThreadDeframer.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/util/GracefulSwitchLoadBalancer.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/ApplicationThreadDeframerListener.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/ManagedChannelServiceConfig.java
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```
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/AbstractManagedChannelImplBuilder.java
```

```
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/inprocess/InternalInProcessServerBuilder.java
```

```
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/DelayedClientCall.java
```

```
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/ManagedChannelImplBuilder.java
```

```
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/ServerImplBuilder.java
```

```
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/AbstractServerImplBuilder.java
```

```
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/inprocess/InternalInProcessChannelBuilder.java
```

```
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
```

jar/io/grpc/inprocess/InternalInProcess.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/SquelchLateMessagesAvailableDeframerListener.java
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```
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-  
jar/io/grpc/util/ForwardingLoadBalancerHelper.java  
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-  
jar/io/grpc/internal/ChannelLoggerImpl.java  
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-  
jar/io/grpc/internal/ForwardingManagedChannel.java  
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-  
jar/io/grpc/internal/PickFirstLoadBalancerProvider.java  
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-  
jar/io/grpc/internal/JsonParser.java  
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-  
jar/io/grpc/internal/AutoConfiguredLoadBalancerFactory.java  
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-  
jar/io/grpc/internal/ServerCallInfoImpl.java  
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-  
jar/io/grpc/util/SecretRoundRobinLoadBalancerProvider.java  
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-  
jar/io/grpc/internal/JndiResourceResolverFactory.java  
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-  
jar/io/grpc/internal/RetryPolicy.java  
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-  
jar/io/grpc/internal/ChannelTracer.java  
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-  
jar/io/grpc/internal/Rescheduler.java  
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-  
jar/io/grpc/internal/ForwardingClientStream.java
```

* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/ForwardingClientStreamListener.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/ServiceConfigUtil.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/util/ForwardingLoadBalancer.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/ManagedChannelOrphanWrapper.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/HedgingPolicy.java

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* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/ReadableBuffers.java

* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/util/MutableHandlerRegistry.java

* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/ClientTransportFactory.java

* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/SerializingExecutor.java

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* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/ServerTransportListener.java

* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/MessageFramer.java

* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/ClientCallImpl.java

* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-

jar/io/grpc/internal/ServerImpl.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/Http2ClientStreamTransportState.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/SharedResourceHolder.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/AbstractReadableBuffer.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/GrpcUtil.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/MessageDeframer.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/AbstractStream.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/ServerStreamListener.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/ClientStream.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/ServerStream.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/AbstractClientStream.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/CompositeReadableBuffer.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/Stream.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/ClientStreamListener.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/StreamListener.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/AbstractServerStream.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/ReadableBuffer.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/ForwardingReadableBuffer.java
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- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/ProxyDetectorImpl.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/GrpcAttributes.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/RetriableStream.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/util/package-info.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/TransportTracer.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/TimeProvider.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/LongCounterFactory.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/CallTracer.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/ApplicationThreadDeframer.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/ForwardingNameResolver.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/Deframer.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/GzipInflatingBuffer.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/util/TransmitStatusRuntimeExceptionInterceptor.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/LongCounter.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/AtomicLongCounter.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/FixedObjectPool.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/AtomicBackoff.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/ReflectionLongAdderCounter.java

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* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/inprocess/AnonymousInProcessSocketAddress.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/util/CertificateUtils.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/ForwardingClientStreamTracer.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/util/AdvancedTlsX509TrustManager.java

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* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/ManagedClientTransport.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/StatsTraceContext.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-

jar/io/grpc/internal/PickSubchannelArgsImpl.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/ClientTransport.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/FailingClientTransport.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/InternalHandlerRegistry.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/SharedResourcePool.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/LogExceptionRunnable.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/FailingClientStream.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/inprocess/InProcessSocketAddress.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/ConnectivityStateManager.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/OobChannel.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/ConnectionClientTransport.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/MetadataApplierImpl.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/ManagedChannelImpl.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/CallCredentialsApplyingTransportFactory.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/KeepAliveManager.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/AbstractSubchannel.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/ForwardingConnectionClientTransport.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/util/RoundRobinLoadBalancer.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/SubchannelChannel.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-
jar/io/grpc/internal/InUseStateAggregator.java
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Found in path(s):

- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/inprocess/package-info.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/package-info.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/NoopClientStream.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/PickFirstLoadBalancer.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/ContextRunnable.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/DnsNameResolver.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/WritableBufferAllocator.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/DnsNameResolverProvider.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/SerializeReentrantCallsDirectExecutor.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/InternalSubchannel.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/BackoffPolicy.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/ServerCallImpl.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/DelayedStream.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/inprocess/InProcessChannelBuilder.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/ServerTransport.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/InternalServer.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/WritableBuffer.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/DelayedClientTransport.java
- * /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/inprocess/InProcessTransport.java

* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/Http2Ping.java
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* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/internal/ExponentialBackoffPolicy.java
* /opt/cola/permits/1340816408_1654856901.8021042/0/grpc-core-1-44-0-sources-jar/io/grpc/inprocess/InProcessServerBuilder.java

1.173 swagger-core v1.6.2

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1.174 findbugs-jsr305 3.0.2

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* /opt/cola/permits/1331473828_1653068625.3355322/0/kotlin-stdlib-1-6-10-sources-jar/kotlin/reflect/KVisibility.kt
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* /opt/cola/permits/1331473828_1653068625.3355322/0/kotlin-stdlib-1-6-10-sources-jar/kotlin/reflect/KParameter.kt
* /opt/cola/permits/1331473828_1653068625.3355322/0/kotlin-stdlib-1-6-10-sources-jar/kotlin/Iterator.kt
* /opt/cola/permits/1331473828_1653068625.3355322/0/kotlin-stdlib-1-6-10-sources-jar/kotlin/Char.kt

1.176 commons-compress 1.21

1.176.1 Available under license :

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Julian Seward, jseward@acm.org

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1.177 saxon-xslt-and-xquery-processor 10.6

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XHTML 1.1 plus MathML 2.0 plus SVG 1.1 DTD

This is a prototype extension of XHTML 1.1 incorporating MathML 2.0 and SVG 1.1.

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Masayasu Ishikawa <mimasa@w3.org> (DTD driver)

Revision:

\$Id: xhtml

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Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/mathml/mathml2/xhtmll-math11-f.dtd

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<!--

File isopub.ent produced by the XSL script entities.xsl
from input data in unicode.xml.

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Please report any errors to David Carlisle

via the public W3C list www-math@w3.org.

The numeric character values assigned to each entity
(should) match the Unicode assignments in Unicode 5.x.

Entity names in this file are derived from files carrying the
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-->

<!--

Public identifier: `-//W3C//ENTITIES Publishing//EN//XML`
System identifier: `http://www.w3.org/2003/entities/2007/isopub.ent`

The public identifier should always be used verbatim.
The system identifier may be changed to suit local requirements.

Typical invocation:

```
<!ENTITY % isopub PUBLIC
  "-//W3C//ENTITIES Publishing//EN//XML"
  "http://www.w3.org/2003/entities/2007/isopub.ent"
>
%isopub;
```

-->

```
<!ENTITY blank      "␣" ><!--OPEN BOX -->
<!ENTITY blk12      "▒" ><!--MEDIUM SHADE -->
<!ENTITY blk14      "░" ><!--LIGHT SHADE -->
<!ENTITY blk34      "▓" ><!--DARK SHADE -->
<!ENTITY block      "█" ><!--FULL BLOCK -->
<!ENTITY bull       "•" ><!--BULLET -->
<!ENTITY caret      "⁁" ><!--CARET INSERTION POINT -->
<!ENTITY check      "✓" ><!--CHECK MARK -->
<!ENTITY cir        "○" ><!--WHITE CIRCLE -->
<!ENTITY clubs      "♣" ><!--BLACK CLUB SUIT -->
<!ENTITY copysr     "℗" ><!--SOUND RECORDING COPYRIGHT -->
<!ENTITY cross      "✗" ><!--BALLOT X -->
<!ENTITY dagger     "†" ><!--DAGGER -->
<!ENTITY Dagger     "‡" ><!--DOUBLE DAGGER -->
```

<!ENTITY dash	"‐" ><!--HYPHEN -->
<!ENTITY diams	"♦" ><!--BLACK DIAMOND SUIT -->
<!ENTITY dlcrop	"⌍" ><!--BOTTOM LEFT CROP -->
<!ENTITY drcrop	"⌌" ><!--BOTTOM RIGHT CROP -->
<!ENTITY dtri	"▿" ><!--WHITE DOWN-POINTING SMALL TRIANGLE -->
<!ENTITY dtrif	"▾" ><!--BLACK DOWN-POINTING SMALL TRIANGLE -->
<!ENTITY emsp	" " ><!--EM SPACE -->
<!ENTITY emsp13	" " ><!--THREE-PER-EM SPACE -->
<!ENTITY emsp14	" " ><!--FOUR-PER-EM SPACE -->
<!ENTITY ensp	" " ><!--EN SPACE -->
<!ENTITY female	"♀" ><!--FEMALE SIGN -->
<!ENTITY ffilig	"ﬃ" ><!--LATIN SMALL LIGATURE FFI -->
<!ENTITY fflig	"ﬀ" ><!--LATIN SMALL LIGATURE FF -->
<!ENTITY fflig	"ﬄ" ><!--LATIN SMALL LIGATURE FFL -->
<!ENTITY filig	"ﬁ" ><!--LATIN SMALL LIGATURE FI -->
<!ENTITY fjlif	"fj" ><!--fj ligature -->
<!ENTITY flat	"♭" ><!--MUSIC FLAT SIGN -->
<!ENTITY fllig	"ﬂ" ><!--LATIN SMALL LIGATURE FL -->
<!ENTITY frac13	"⅓" ><!--VULGAR FRACTION ONE THIRD -->
<!ENTITY frac15	"⅕" ><!--VULGAR FRACTION ONE FIFTH -->
<!ENTITY frac16	"⅙" ><!--VULGAR FRACTION ONE SIXTH -->
<!ENTITY frac23	"⅔" ><!--VULGAR FRACTION TWO THIRDS -->
<!ENTITY frac25	"⅖" ><!--VULGAR FRACTION TWO FIFTHS -->
<!ENTITY frac35	"⅗" ><!--VULGAR FRACTION THREE FIFTHS -->
<!ENTITY frac45	"⅘" ><!--VULGAR FRACTION FOUR FIFTHS -->
<!ENTITY frac56	"⅚" ><!--VULGAR FRACTION FIVE SIXTHS -->
<!ENTITY hairsp	" " ><!--HAIR SPACE -->
<!ENTITY hearts	"♥" ><!--BLACK HEART SUIT -->
<!ENTITY hellip	"…" ><!--HORIZONTAL ELLIPSIS -->
<!ENTITY hybull	"⁃" ><!--HYPHEN BULLET -->
<!ENTITY incare	"℅" ><!--CARE OF -->
<!ENTITY ldquot	"„" ><!--DOUBLE LOW-9 QUOTATION MARK -->
<!ENTITY lhblk	"▄" ><!--LOWER HALF BLOCK -->
<!ENTITY loz	"◊" ><!--LOZENGE -->
<!ENTITY lozf	"⧫" ><!--BLACK LOZENGE -->
<!ENTITY lsquot	"‚" ><!--SINGLE LOW-9 QUOTATION MARK -->
<!ENTITY ltri	"◃" ><!--WHITE LEFT-POINTING SMALL TRIANGLE -->
<!ENTITY ltrif	"◂" ><!--BLACK LEFT-POINTING SMALL TRIANGLE -->
<!ENTITY male	"♂" ><!--MALE SIGN -->
<!ENTITY malt	"✠" ><!--MALTESE CROSS -->
<!ENTITY marker	"▮" ><!--BLACK VERTICAL RECTANGLE -->
<!ENTITY mdash	"—" ><!--EM DASH -->
<!ENTITY mldr	"…" ><!--HORIZONTAL ELLIPSIS -->
<!ENTITY natur	"♮" ><!--MUSIC NATURAL SIGN -->
<!ENTITY ndash	"–" ><!--EN DASH -->
<!ENTITY nldr	"‥" ><!--TWO DOT LEADER -->
<!ENTITY numsp	" " ><!--FIGURE SPACE -->
<!ENTITY phone	"☎" ><!--BLACK TELEPHONE -->

<!ENTITY puncsp	" " ><!--PUNCTUATION SPACE -->
<!ENTITY rdquor	"”" ><!--RIGHT DOUBLE QUOTATION MARK -->
<!ENTITY rect	"▭" ><!--WHITE RECTANGLE -->
<!ENTITY rsquor	"’" ><!--RIGHT SINGLE QUOTATION MARK -->
<!ENTITY rtri	"▹" ><!--WHITE RIGHT-POINTING SMALL TRIANGLE -->
<!ENTITY rtrif	"▸" ><!--BLACK RIGHT-POINTING SMALL TRIANGLE -->
<!ENTITY rx	"℞" ><!--PRESCRIPTION TAKE -->
<!ENTITY sext	"✶" ><!--SIX POINTED BLACK STAR -->
<!ENTITY sharp	"♯" ><!--MUSIC SHARP SIGN -->
<!ENTITY spades	"♠" ><!--BLACK SPADE SUIT -->
<!ENTITY squ	"□" ><!--WHITE SQUARE -->
<!ENTITY squf	"▪" ><!--BLACK SMALL SQUARE -->
<!ENTITY star	"☆" ><!--WHITE STAR -->
<!ENTITY starf	"★" ><!--BLACK STAR -->
<!ENTITY target	"⌖" ><!--POSITION INDICATOR -->
<!ENTITY telrec	"⌕" ><!--TELEPHONE RECORDER -->
<!ENTITY thinsp	" " ><!--THIN SPACE -->
<!ENTITY uhblk	"▀" ><!--UPPER HALF BLOCK -->
<!ENTITY ulcrop	"⌏" ><!--TOP LEFT CROP -->
<!ENTITY urcrop	"⌎" ><!--TOP RIGHT CROP -->
<!ENTITY utri	"▵" ><!--WHITE UP-POINTING SMALL TRIANGLE -->
<!ENTITY utrif	"▴" ><!--BLACK UP-POINTING SMALL TRIANGLE -->
<!ENTITY vellip	"⋮" ><!--VERTICAL ELLIPSIS -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/mathml/mathml3/isopub.ent

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Revision: \$Id: xhtml

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/xhtml11/xhtml-basic11.dtd

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```
<!-- ..... -->
<!-- SVG 1.1 Datatypes Module ..... -->
<!-- file: svg-datatypes.mod
```

This is SVG, a language for describing two-dimensional graphics in XML.
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Revision: \$Id: svg-datatypes.mod,v 1.2 2002/04/20 18:07:42 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES SVG 1.1 Datatypes//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-datatypes.mod"
```

```
..... -->
```

```
<!-- Datatypes
```

This module declares common data types for properties and attributes.
-->

```
<!-- feature specification -->
<!ENTITY % Boolean.datatype "( false | true )" >
```

```
<!-- 'clip-rule' or 'fill-rule' property/attribute value -->
<!ENTITY % ClipFillRule.datatype "( nonzero | evenodd | inherit )" >
```

```
<!-- media type, as per [RFC2045] -->
<!ENTITY % ContentType.datatype "CDATA" >
```

```
<!-- a <coordinate> -->
<!ENTITY % Coordinate.datatype "CDATA" >
```

```
<!-- a list of <coordinate>s -->
<!ENTITY % Coordinates.datatype "CDATA" >
```

```
<!-- a <color> value -->
<!ENTITY % Color.datatype "CDATA" >
```

```
<!-- a <integer> -->
<!ENTITY % Integer.datatype "CDATA" >
```

```
<!-- a language code, as per [RFC3066] -->
<!ENTITY % LanguageCode.datatype "NMTOKEN" >
```

```
<!-- comma-separated list of language codes, as per [RFC3066] -->
<!ENTITY % LanguageCodes.datatype "CDATA" >

<!-- a <length> -->
<!ENTITY % Length.datatype "CDATA" >

<!-- a list of <length>s -->
<!ENTITY % Lengths.datatype "CDATA" >

<!-- a <number> -->
<!ENTITY % Number.datatype "CDATA" >

<!-- a list of <number>s -->
<!ENTITY % Numbers.datatype "CDATA" >

<!-- opacity value (e.g., <number>) -->
<!ENTITY % OpacityValue.datatype "CDATA" >

<!-- a path data specification -->
<!ENTITY % PathData.datatype "CDATA" >

<!-- 'preserveAspectRatio' attribute specification -->
<!ENTITY % PreserveAspectRatioSpec.datatype "CDATA" >

<!-- script expression -->
<!ENTITY % Script.datatype "CDATA" >

<!-- An SVG color value (RGB plus optional ICC) -->
<!ENTITY % SVGColor.datatype "CDATA" >

<!-- arbitrary text string -->
<!ENTITY % Text.datatype "CDATA" >

<!-- list of transforms -->
<!ENTITY % TransformList.datatype "CDATA" >

<!-- a Uniform Resource Identifier, see [URI] -->
<!ENTITY % URI.datatype "CDATA" >

<!-- 'viewBox' attribute specification -->
<!ENTITY % ViewBoxSpec.datatype "CDATA" >

<!-- end of svg-datatypes.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-datatypes.mod
```

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```
<!-- ..... -->
<!-- XHTML Client-side Image Map Module ..... -->
<!-- file: xhtml-csismap-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
Revision: \$Id: xhtml-csismap-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Client-side Image Maps 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-csismap-1.mod"
```

Revisions:
(none)
..... -->

```
<!-- Client-side Image Maps
```

area, map

This module declares elements and attributes to support client-side image maps. This requires that the Image Module (or a module declaring the img element type) be included in the DTD.

These can be placed in the same document or grouped in a separate document, although the latter isn't widely supported

```
-->
```

```
<!ENTITY % area.element "INCLUDE" >
<![%area.element;[
<!ENTITY % area.content "EMPTY" >
<!ENTITY % area.qname "area" >
<!ELEMENT %area.qname; %area.content; >
<!-- end of area.element -->]]>
```

```
<!ENTITY % Shape.datatype "( rect | circle | poly | default )">
<!ENTITY % Coords.datatype "CDATA" >
```

```
<!ENTITY % area.attlist "INCLUDE" >
<![%area.attlist;[
<!ATTLIST %area.qname;
    %Common.attrib;
    href      %URI.datatype;      #IMPLIED
    shape     %Shape.datatype;    'rect'
    coords    %Coords.datatype;   #IMPLIED
```



```
nohref    ( nohref )      #IMPLIED
alt       %Text.datatype;  #REQUIRED
tabindex  %Number.datatype; #IMPLIED
accesskey %Character.datatype; #IMPLIED
>
<!-- end of area.attlist -->]]>
```

```
<!-- modify anchor attribute definition list
to allow for client-side image maps
-->
<!ATTLIST %a.qname;
    shape    %Shape.datatype;    'rect'
    coords   %Coords.datatype;    #IMPLIED
>
```

```
<!-- modify img attribute definition list
to allow for client-side image maps
-->
<!ATTLIST %img.qname;
    usemap   IDREF                #IMPLIED
>
```

```
<!-- modify form input attribute definition list
to allow for client-side image maps
-->
<!ATTLIST %input.qname;
    usemap   IDREF                #IMPLIED
>
```

```
<!-- modify object attribute definition list
to allow for client-side image maps
-->
<!ATTLIST %object.qname;
    usemap   IDREF                #IMPLIED
>
```

<!-- 'usemap' points to the 'id' attribute of a <map> element, which must be in the same document; support for external document maps was not widely supported in HTML and is eliminated in XHTML.

It is considered an error for the element pointed to by a usemap IDREF to occur in anything but a <map> element.

```
-->
<!ENTITY % map.element "INCLUDE" >
<![%map.element;[
<!ENTITY % map.content
```

```
"(( %Block.mix; ) | %area.qname; )+"
>
<!ENTITY % map.qname "map" >
<!ELEMENT %map.qname; %map.content; >
<!-- end of map.element -->]]>
```

```
<!ENTITY % map.attlist "INCLUDE" >
<![%map.attlist;[
<!ATTLIST %map.qname;
  %XHTML.xmlns.attrib;
  id      ID          #REQUIRED
  %class.attrib;
  %title.attrib;
  %Core.extra.attrib;
  %I18n.attrib;
  %Events.attrib;
>
<!-- end of map.attlist -->]]>
```

```
<!-- end of xhtml-csismap-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-csismap-1.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- SVG 1.1 Attribute Collection Module ..... -->
<!-- file: svg11-attribs.mod
```

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg11-attribs.mod,v 1.4 2002/11/14 15:11:03 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES SVG 1.1 Attribute Collection//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg11-attribs.mod"
```

```
..... -->
```

```
<!-- SVG 1.1 Attribute Collection
```

This module defines the set of common attributes that can be present
on many SVG elements.

```
-->
```

```
<!-- module: svg-conditional.mod ..... -->
```

```

<!ENTITY % ExtensionList.datatype "CDATA" >
<!ENTITY % FeatureList.datatype "CDATA" >

<!ENTITY % SVG.Conditional.extra.attrib "" >
<!ENTITY % SVG.Conditional.attrib
  "requiredFeatures %FeatureList.datatype; #IMPLIED
  requiredExtensions %ExtensionList.datatype; #IMPLIED
  systemLanguage %LanguageCodes.datatype; #IMPLIED
  %SVG.Conditional.extra.attrib;"
>

<!-- module: svg-style.mod ..... -->

<!ENTITY % ClassList.datatype "CDATA" >
<!ENTITY % StyleSheet.datatype "CDATA" >

<!ENTITY % SVG.Style.extra.attrib "" >
<!ENTITY % SVG.Style.attrib
  "style %StyleSheet.datatype; #IMPLIED
  class %ClassList.datatype; #IMPLIED
  %SVG.Style.extra.attrib;"
>

<!-- module: svg-text.mod ..... -->

<!ENTITY % BaselineShiftValue.datatype "CDATA" >
<!ENTITY % FontFamilyValue.datatype "CDATA" >
<!ENTITY % FontSizeValue.datatype "CDATA" >
<!ENTITY % FontSizeAdjustValue.datatype "CDATA" >
<!ENTITY % GlyphOrientationHorizontalValue.datatype "CDATA" >
<!ENTITY % GlyphOrientationVerticalValue.datatype "CDATA" >
<!ENTITY % KerningValue.datatype "CDATA" >
<!ENTITY % SpacingValue.datatype "CDATA" >
<!ENTITY % TextDecorationValue.datatype "CDATA" >

<!ENTITY % SVG.Text.extra.attrib "" >
<!ENTITY % SVG.Text.attrib
  "writing-mode ( lr-tb | rl-tb | tb-rl | lr | rl | tb | inherit ) #IMPLIED
  %SVG.Text.extra.attrib;"
>

<!ENTITY % SVG.TextContent.extra.attrib "" >
<!ENTITY % SVG.TextContent.attrib
  "alignment-baseline ( auto | baseline | before-edge | text-before-edge |
  middle | central | after-edge | text-after-edge |
  ideographic | alphabetic | hanging | mathematical |
  inherit ) #IMPLIED

```

```
baseline-shift %BaselineShiftValue.datatype; #IMPLIED
direction ( ltr | rtl | inherit ) #IMPLIED
dominant-baseline ( auto | use-script | no-change | reset-size |
    ideographic | alphabetic | hanging | mathematical |
    central | middle | text-after-edge | text-before-edge |
    inherit ) #IMPLIED
glyph-orientation-horizontal %GlyphOrientationHorizontalValue.datatype;
    #IMPLIED
glyph-orientation-vertical %GlyphOrientationVerticalValue.datatype;
    #IMPLIED
kerning %KerningValue.datatype; #IMPLIED
letter-spacing %SpacingValue.datatype; #IMPLIED
text-anchor ( start | middle | end | inherit ) #IMPLIED
text-decoration %TextDecorationValue.datatype; #IMPLIED
unicode-bidi ( normal | embed | bidi-override | inherit ) #IMPLIED
word-spacing %SpacingValue.datatype; #IMPLIED
%SVG.TextContent.extra.attrib;"
>
```

```
<!ENTITY % SVG.Font.extra.attrib "" >
<!ENTITY % SVG.Font.attrib
"font-family %FontFamilyValue.datatype; #IMPLIED
font-size %FontSizeValue.datatype; #IMPLIED
font-size-adjust %FontSizeAdjustValue.datatype; #IMPLIED
font-stretch ( normal | wider | narrower | ultra-condensed |
    extra-condensed | condensed | semi-condensed |
    semi-expanded | expanded | extra-expanded |
    ultra-expanded | inherit ) #IMPLIED
font-style ( normal | italic | oblique | inherit ) #IMPLIED
font-variant ( normal | small-caps | inherit ) #IMPLIED
font-weight ( normal | bold | bolder | lighter | 100 | 200 | 300 | 400 |
    500 | 600 | 700 | 800 | 900 | inherit ) #IMPLIED
%SVG.Font.extra.attrib;"
>
```

```
<!-- module: svg-marker.mod ..... -->
```

```
<!ENTITY % MarkerValue.datatype "CDATA" >
```

```
<!ENTITY % SVG.Marker.extra.attrib "" >
<!ENTITY % SVG.Marker.attrib
"marker-start %MarkerValue.datatype; #IMPLIED
marker-mid %MarkerValue.datatype; #IMPLIED
marker-end %MarkerValue.datatype; #IMPLIED
%SVG.Marker.extra.attrib;"
>
```

```
<!-- module: svg-profile.mod ..... -->
```

```

<!ENTITY % SVG.ColorProfile.extra.attrib "" >
<!ENTITY % SVG.ColorProfile.attrib
  "color-profile CDATA #IMPLIED
  %SVG.ColorProfile.extra.attrib;"
>

<!-- module: svg-gradient.mod ..... -->

<!ENTITY % NumberOrPercentage.datatype "CDATA" >

<!ENTITY % SVG.Gradient.extra.attrib "" >
<!ENTITY % SVG.Gradient.attrib
  "stop-color %SVGColor.datatype; #IMPLIED
  stop-opacity %OpacityValue.datatype; #IMPLIED
  %SVG.Gradient.extra.attrib;"
>

<!-- module: svg-clip.mod ..... -->

<!ENTITY % ClipPathValue.datatype "CDATA" >

<!ENTITY % SVG.Clip.extra.attrib "" >
<!ENTITY % SVG.Clip.attrib
  "clip-path %ClipPathValue.datatype; #IMPLIED
  clip-rule %ClipFillRule.datatype; #IMPLIED
  %SVG.Clip.extra.attrib;"
>

<!-- module: svg-mask.mod ..... -->

<!ENTITY % MaskValue.datatype "CDATA" >

<!ENTITY % SVG.Mask.extra.attrib "" >
<!ENTITY % SVG.Mask.attrib
  "mask %MaskValue.datatype; #IMPLIED
  %SVG.Mask.extra.attrib;"
>

<!-- module: svg-filter.mod ..... -->

<!ENTITY % FilterValue.datatype "CDATA" >
<!ENTITY % NumberOptionalNumber.datatype "CDATA" >

<!ENTITY % SVG.Filter.extra.attrib "" >
<!ENTITY % SVG.Filter.attrib
  "filter %FilterValue.datatype; #IMPLIED
  %SVG.Filter.extra.attrib;"

```

```
>
<!ENTITY % SVG.FilterColor.extra.attrib "" >
<!ENTITY % SVG.FilterColor.attrib
"color-interpolation-filters ( auto | sRGB | linearRGB | inherit )
#IMPLIED
%SVG.FilterColor.extra.attrib;"
>
```

```
<!-- module: svg-cursor.mod ..... -->
```

```
<!ENTITY % CursorValue.datatype "CDATA" >
```

```
<!ENTITY % SVG.Cursor.extra.attrib "" >
<!ENTITY % SVG.Cursor.attrib
"cursor %CursorValue.datatype; #IMPLIED
%SVG.Cursor.extra.attrib;"
>
```

```
<!-- end of svg11-attribs.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg11-attribs.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- SVG 1.1 View Module ..... -->
<!-- file: svg-view.mod
```

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-view.mod,v 1.3 2002/10/24 17:40:16 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS SVG 1.1 View//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-view.mod"
```

```
..... -->
```

```
<!-- View
```

```
view
```

This module declares markup to provide support for view.

```
-->
```

```

<!-- Qualified Names (Default) ..... -->

<!ENTITY % SVG.view.qname "view" >

<!-- Attribute Collections (Default) ..... -->

<!ENTITY % SVG.Core.attrib "" >
<!ENTITY % SVG.External.attrib "" >

<!-- SVG.View.class ..... -->

<!ENTITY % SVG.View.extra.class "" >

<!ENTITY % SVG.View.class
  "| %SVG.view.qname; %SVG.View.extra.class;"
>

<!-- view: View Element ..... -->

<!ENTITY % SVG.view.extra.content "" >

<!ENTITY % SVG.view.element "INCLUDE" >
<![%SVG.view.element;[
<!ENTITY % SVG.view.content
  "( %SVG.Description.class; %SVG.view.extra.content; )*"
>
<!ELEMENT %SVG.view.qname; %SVG.view.content; >
<!-- end of SVG.view.element -->]]>

<!ENTITY % SVG.view.attlist "INCLUDE" >
<![%SVG.view.attlist;[
<!ATTLIST %SVG.view.qname;
  %SVG.Core.attrib;
  %SVG.External.attrib;
  viewBox %ViewBoxSpec.datatype; #IMPLIED
  preserveAspectRatio %PreserveAspectRatioSpec.datatype; 'xMidYMid meet'
  zoomAndPan ( disable | magnify ) 'magnify'
  viewTarget CDATA #IMPLIED
>
<!-- end of SVG.view.attlist -->]]>

<!-- end of svg-view.mod -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-view.mod

```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- XHTML Base Architecture Module ..... -->
<!-- file: xhtml-arch-1.mod

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
Revision: $Id: xhtml-arch-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp $ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ELEMENTS XHTML Base Architecture 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-arch-1.mod"

Revisions:
(none)
..... -->

<!-- This optional module includes declarations that enable XHTML to be used
as a base architecture according to the 'Architectural Forms Definition
Requirements' (Annex A.3, ISO/IEC 10744, 2nd edition). For more information
on use of architectural forms, see the HyTime web site at:

    http://www.hytime.org/
-->

<?IS10744 ArcBase xhtml ?>

<!NOTATION xhtml PUBLIC "-//W3C//NOTATION AFDR ARCBASE XHTML 1.1//EN" >

<!-- Entity declaration for associated Architectural DTD
-->
<!ENTITY xhtml-arch.dtd
PUBLIC "-//W3C//DTD XHTML Architecture 1.1//EN"
"xhtml11-arch.dtd" >

<?IS10744:arch xhtml
public-id    = "-//W3C//NOTATION AFDR ARCBASE XHTML 1.1//EN"
dtd-public-id = "-//W3C//DTD XHTML 1.1//EN"
dtd-system-id = "xhtml11.dtd"
doc-elem-form = "html"
form-att     = "html"
renamer-att  = "htnames"
suppressor-att = "htsupp"
data-ignore-att = "htign"
auto        = "ArcAuto"
options     = "HtModReq HtModOpt"
HtModReq    = "Framework Text Hypertext Lists Structure"
HtModOpt    = "Standard"

```


?>

<!-- end of xhtml-arch-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/xhtml11/xhtml-arch-1.mod

No license file was found, but licenses were detected in source scan.

<!-- -->

<!-- XHTML Base Element Module -->

<!-- file: xhtml-base-1.mod

This is XHTML, a reformulation of HTML as a modular XML application.

Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.

Revision: \$Id: xhtml-base-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ELEMENTS XHTML Base Element 1.0//EN"

SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-base-1.mod"

Revisions:

(none)

..... -->

<!-- Base element

base

This module declares the base element type and its attributes, used to define a base URI against which relative URIs in the document will be resolved.

Note that this module also redeclares the content model for the head element to include the base element.

-->

<!-- base: Document Base URI -->

<!ENTITY % base.element "INCLUDE" >

<![%base.element;[

<!ENTITY % base.content "EMPTY" >

<!ENTITY % base.qname "base" >

<!ELEMENT %base.qname; %base.content; >

<!-- end of base.element -->]]>

<!ENTITY % base.attlist "INCLUDE" >

```

<![%base.attlist;[
<!ATTLIST %base.qname;
  %XHTML.xmlns.attrib;
  href      %URI.datatype;      #REQUIRED
>
<!-- end of base.attlist -->]]>

<!ENTITY % head.content
  "( %HeadOpts.mix;,
  ( ( %title.qname;, %HeadOpts.mix;, ( %base.qname;, %HeadOpts.mix; )? )
  | ( %base.qname;, %HeadOpts.mix;, ( %title.qname;, %HeadOpts.mix; )))"
>

<!-- end of xhtml-base-1.mod -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-base-1.mod

```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- XHTML Inline Phrasal Module ..... -->
<!-- file: xhtml-inlphras-1.mod

```

This is XHTML, a reformulation of HTML as a modular XML application.
 Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
 Revision: \$Id: xhtml-inlphras-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```

PUBLIC "-//W3C//ELEMENTS XHTML Inline Phrasal 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-inlphras-1.mod"

```

Revisions:

(none)

```

..... -->

```

```

<!-- Inline Phrasal

```

```

  abbr, acronym, cite, code, dfn, em, kbd, q, samp, strong, var

```

This module declares the elements and their attributes used to support inline-level phrasal markup.

```

-->

```

```

<!ENTITY % abbr.element "INCLUDE" >
<![%abbr.element;[
<!ENTITY % abbr.content

```

```

    "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % abbr.qname "abbr" >
<!ELEMENT %abbr.qname; %abbr.content; >
<!-- end of abbr.element -->]]>

<!ENTITY % abbr.attlist "INCLUDE" >
<![%abbr.attlist;[
<!ATTLIST %abbr.qname;
    %Common.attrib;
>
<!-- end of abbr.attlist -->]]>

<!ENTITY % acronym.element "INCLUDE" >
<![%acronym.element;[
<!ENTITY % acronym.content
    "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % acronym.qname "acronym" >
<!ELEMENT %acronym.qname; %acronym.content; >
<!-- end of acronym.element -->]]>

<!ENTITY % acronym.attlist "INCLUDE" >
<![%acronym.attlist;[
<!ATTLIST %acronym.qname;
    %Common.attrib;
>
<!-- end of acronym.attlist -->]]>

<!ENTITY % cite.element "INCLUDE" >
<![%cite.element;[
<!ENTITY % cite.content
    "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % cite.qname "cite" >
<!ELEMENT %cite.qname; %cite.content; >
<!-- end of cite.element -->]]>

<!ENTITY % cite.attlist "INCLUDE" >
<![%cite.attlist;[
<!ATTLIST %cite.qname;
    %Common.attrib;
>
<!-- end of cite.attlist -->]]>

<!ENTITY % code.element "INCLUDE" >
<![%code.element;[
<!ENTITY % code.content

```

```

    "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % code.qname "code" >
<!ELEMENT %code.qname; %code.content; >
<!-- end of code.element -->]]>

<!ENTITY % code.attlist "INCLUDE" >
<![%code.attlist;[
<!ATTLIST %code.qname;
    %Common.attrib;
>
<!-- end of code.attlist -->]]>

<!ENTITY % dfn.element "INCLUDE" >
<![%dfn.element;[
<!ENTITY % dfn.content
    "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % dfn.qname "dfn" >
<!ELEMENT %dfn.qname; %dfn.content; >
<!-- end of dfn.element -->]]>

<!ENTITY % dfn.attlist "INCLUDE" >
<![%dfn.attlist;[
<!ATTLIST %dfn.qname;
    %Common.attrib;
>
<!-- end of dfn.attlist -->]]>

<!ENTITY % em.element "INCLUDE" >
<![%em.element;[
<!ENTITY % em.content
    "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % em.qname "em" >
<!ELEMENT %em.qname; %em.content; >
<!-- end of em.element -->]]>

<!ENTITY % em.attlist "INCLUDE" >
<![%em.attlist;[
<!ATTLIST %em.qname;
    %Common.attrib;
>
<!-- end of em.attlist -->]]>

<!ENTITY % kbd.element "INCLUDE" >
<![%kbd.element;[
<!ENTITY % kbd.content

```

```

    "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % kbd.qname "kbd" >
<!ELEMENT %kbd.qname; %kbd.content; >
<!-- end of kbd.element -->]]>

<!ENTITY % kbd.attlist "INCLUDE" >
<![%kbd.attlist;[
<!ATTLIST %kbd.qname;
    %Common.attrib;
>
<!-- end of kbd.attlist -->]]>

<!ENTITY % q.element "INCLUDE" >
<![%q.element;[
<!ENTITY % q.content
    "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % q.qname "q" >
<!ELEMENT %q.qname; %q.content; >
<!-- end of q.element -->]]>

<!ENTITY % q.attlist "INCLUDE" >
<![%q.attlist;[
<!ATTLIST %q.qname;
    %Common.attrib;
    cite    %URI.datatype;    #IMPLIED
>
<!-- end of q.attlist -->]]>

<!ENTITY % samp.element "INCLUDE" >
<![%samp.element;[
<!ENTITY % samp.content
    "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % samp.qname "samp" >
<!ELEMENT %samp.qname; %samp.content; >
<!-- end of samp.element -->]]>

<!ENTITY % samp.attlist "INCLUDE" >
<![%samp.attlist;[
<!ATTLIST %samp.qname;
    %Common.attrib;
>
<!-- end of samp.attlist -->]]>

<!ENTITY % strong.element "INCLUDE" >
<![%strong.element;[

```

```
<!ENTITY % strong.content
  "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % strong.qname "strong" >
<!ELEMENT %strong.qname; %strong.content; >
<!-- end of strong.element -->]]>
```

```
<!ENTITY % strong.attlist "INCLUDE" >
<![%strong.attlist;[
<!ATTLIST %strong.qname;
  %Common.attrib;
>
<!-- end of strong.attlist -->]]>
```

```
<!ENTITY % var.element "INCLUDE" >
<![%var.element;[
<!ENTITY % var.content
  "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % var.qname "var" >
<!ELEMENT %var.qname; %var.content; >
<!-- end of var.element -->]]>
```

```
<!ENTITY % var.attlist "INCLUDE" >
<![%var.attlist;[
<!ATTLIST %var.qname;
  %Common.attrib;
>
<!-- end of var.attlist -->]]>
```

```
<!-- end of xhtml-inlphras-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-inlphras-1.mod
```

No license file was found, but licenses were detected in source scan.

SVG 1.1 Tiny DTD

This is SVG Tiny, a proper subset of SVG.

The Scalable Vector Graphics (SVG)

Copyright 2001, 2002 World Wide Web Consortium

(Massachusetts Institute of Technology, Institut National de
Recherche en Informatique et en Automatique, Keio University).

All Rights Reserved.

Permission to use, copy, modify and distribute the SVG DTD and its

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It is provided "as is" without expressed or implied warranty.

Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>

Revision: \$Id: svg11

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/svg11/svg11-tiny.dtd

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Basic 1.0 Document Model Module ..... -->
<!-- file: xhtml-basic10-model-1.mod
```

This is XHTML Basic, a proper subset of XHTML.
Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
Revision: \$Id: xhtml-basic10-model-1.mod,v 2.8 2000/11/03 14:28:25 mimasa Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES XHTML Basic 1.0 Document Model 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-basic10-model-1.mod"
```

Revisions:
(none)
..... -->

```
<!-- XHTML Basic Document Model
```

This module describes the groupings of elements that make up common content models for XHTML elements.

```
-->
```

```
<!-- Optional Elements in head ..... -->
```

```
<!ENTITY % HeadOpts.mix
"(%meta.qname; | %link.qname; | %object.qname; )*" >
```

```
<!-- Miscellaneous Elements ..... -->
```

```
<!ENTITY % Misc.class "" >
```

```
<!-- Inline Elements ..... -->
```

```

<!ENTITY % InlStruct.class "%br.qname; | %span.qname;" >

<!ENTITY % InlPhras.class
  "| %em.qname; | %strong.qname; | %dfn.qname; | %code.qname;
  | %samp.qname; | %kbd.qname; | %var.qname; | %cite.qname;
  | %abbr.qname; | %acronym.qname; | %q.qname;" >

<!ENTITY % InlPres.class "" >

<!ENTITY % I18n.class "" >

<!ENTITY % Anchor.class "| %a.qname;" >

<!ENTITY % InlSpecial.class "| %img.qname; | %object.qname;" >

<!ENTITY % InlForm.class
  "| %input.qname; | %select.qname; | %textarea.qname;
  | %label.qname;"
>

<!ENTITY % Inline.extra "" >

<!ENTITY % Inline.class
  "%InlStruct.class;
  %InlPhras.class;
  %Anchor.class;
  %InlSpecial.class;
  %InlForm.class;
  %Inline.extra;"
>

<!ENTITY % InlNoAnchor.class
  "%InlStruct.class;
  %InlPhras.class;
  %InlSpecial.class;
  %InlForm.class;
  %Inline.extra;"
>

<!ENTITY % InlNoAnchor.mix
  "%InlNoAnchor.class;
  %Misc.class;"
>

<!ENTITY % Inline.mix
  "%Inline.class;
  %Misc.class;"

```



```

>

<!-- Block Elements ..... -->

<!ENTITY % Heading.class
    "%h1.qname; | %h2.qname; | %h3.qname;
    | %h4.qname; | %h5.qname; | %h6.qname;"
>
<!ENTITY % List.class "%ul.qname; | %ol.qname; | %dl.qname;" >

<!ENTITY % Table.class "| %table.qname;" >

<!ENTITY % Form.class "| %form.qname;" >

<!ENTITY % BlkStruct.class "%p.qname; | %div.qname;" >

<!ENTITY % BlkPhras.class
    "| %pre.qname; | %blockquote.qname; | %address.qname;"
>

<!ENTITY % BlkPres.class "" >

<!ENTITY % BlkSpecial.class
    "%Table.class;
    %Form.class;"
>

<!ENTITY % Block.extra "" >

<!ENTITY % Block.class
    "%BlkStruct.class;
    %BlkPhras.class;
    %BlkSpecial.class;
    %Block.extra;"
>

<!ENTITY % Block.mix
    "%Heading.class;
    | %List.class;
    | %Block.class;
    %Misc.class;"
>

<!-- All Content Elements ..... -->

<!-- declares all content except tables
-->
<!ENTITY % FlowNoTable.mix

```

```
"%Heading.class;
| %List.class;
| %BlkStruct.class;
%BlkPhras.class;
%Form.class;
%Block.extra;
| %Inline.class;
%Misc.class;"
```

>

```
<!ENTITY % Flow.mix
```

```
"%Heading.class;
| %List.class;
| %Block.class;
| %Inline.class;
%Misc.class;"
```

>

```
<!-- end of xhtml-basic10-model-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-basic10-model-1.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
```

```
<!-- SVG 1.1 Document Model Module ..... -->
```

```
<!-- file: svg11-model.mod
```

This is SVG, a language for describing two-dimensional graphics in XML.

Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.

Revision: \$Id: svg11-model.mod,v 1.3 2002/11/14 15:11:03 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES SVG 1.1 Document Model//EN"
```

```
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg11-model.mod"
```

```
..... -->
```

```
<!-- SVG 1.1 Document Model
```

This module describes the groupings of elements that make up

common content models for SVG elements.

```
-->
```

```
<!-- module: svg-structure.mod ..... -->
```

```

<!ENTITY % SVG.Description.extra.class "" >
<!ENTITY % SVG.Description.class
  "%SVG.desc.qname; | %SVG.title.qname; | %SVG.metadata.qname;
  %SVG.Description.extra.class;"
>

<!ENTITY % SVG.Use.extra.class "" >
<!ENTITY % SVG.Use.class
  "| %SVG.use.qname; %SVG.Use.extra.class;"
>

<!ENTITY % SVG.Structure.extra.class "" >
<!ENTITY % SVG.Structure.class
  "| %SVG.svg.qname; | %SVG.g.qname; | %SVG.defs.qname; | %SVG.symbol.qname;
  %SVG.Use.class; %SVG.Structure.extra.class;"
>

<!-- module: svg-conditional.mod ..... -->

<!ENTITY % SVG.Conditional.extra.class "" >
<!ENTITY % SVG.Conditional.class
  "| %SVG.switch.qname; %SVG.Conditional.extra.class;"
>

<!-- module: svg-image.mod ..... -->

<!ENTITY % SVG.Image.extra.class "" >
<!ENTITY % SVG.Image.class
  "| %SVG.image.qname; %SVG.Image.extra.class;"
>

<!-- module: svg-style.mod ..... -->

<!ENTITY % SVG.Style.extra.class "" >
<!ENTITY % SVG.Style.class
  "| %SVG.style.qname; %SVG.Style.extra.class;"
>

<!-- module: svg-shape.mod ..... -->

<!ENTITY % SVG.Shape.extra.class "" >
<!ENTITY % SVG.Shape.class
  "| %SVG.path.qname; | %SVG.rect.qname; | %SVG.circle.qname;
  | %SVG.line.qname; | %SVG.ellipse.qname; | %SVG.polyline.qname;
  | %SVG.polygon.qname; %SVG.Shape.extra.class;"
>

<!-- module: svg-text.mod ..... -->

```

```
<!ENTITY % SVG.Text.extra.class "" >
<!ENTITY % SVG.Text.class
  "| %SVG.text.qname; | %SVG.altGlyphDef.qname; %SVG.Text.extra.class;"
>
```

```
<!ENTITY % SVG.TextContent.extra.class "" >
<!ENTITY % SVG.TextContent.class
  "| %SVG.tspan.qname; | %SVG.tref.qname; | %SVG.textPath.qname;
  | %SVG.altGlyph.qname; %SVG.TextContent.extra.class;"
>
```

```
<!-- module: svg-marker.mod ..... -->
```

```
<!ENTITY % SVG.Marker.extra.class "" >
<!ENTITY % SVG.Marker.class
  "| %SVG.marker.qname; %SVG.Marker.extra.class;"
>
```

```
<!-- module: svg-profile.mod ..... -->
```

```
<!ENTITY % SVG.ColorProfile.extra.class "" >
<!ENTITY % SVG.ColorProfile.class
  "| %SVG.color-profile.qname; %SVG.ColorProfile.extra.class;"
>
```

```
<!-- module: svg-gradient.mod ..... -->
```

```
<!ENTITY % SVG.Gradient.extra.class "" >
<!ENTITY % SVG.Gradient.class
  "| %SVG.linearGradient.qname; | %SVG.radialGradient.qname;
  %SVG.Gradient.extra.class;"
>
```

```
<!-- module: svg-pattern.mod ..... -->
```

```
<!ENTITY % SVG.Pattern.extra.class "" >
<!ENTITY % SVG.Pattern.class
  "| %SVG.pattern.qname; %SVG.Pattern.extra.class;"
>
```

```
<!-- module: svg-clip.mod ..... -->
```

```
<!ENTITY % SVG.Clip.extra.class "" >
<!ENTITY % SVG.Clip.class
  "| %SVG.clipPath.qname; %SVG.Clip.extra.class;"
>
```

```

<!-- module: svg-mask.mod ..... -->

<!ENTITY % SVG.Mask.extra.class "" >
<!ENTITY % SVG.Mask.class
  "| %SVG.mask.qname; %SVG.Mask.extra.class;"
>

<!-- module: svg-filter.mod ..... -->

<!ENTITY % SVG.Filter.extra.class "" >
<!ENTITY % SVG.Filter.class
  "| %SVG.filter.qname; %SVG.Filter.extra.class;"
>

<!ENTITY % SVG.FilterPrimitive.extra.class "" >
<!ENTITY % SVG.FilterPrimitive.class
  "| %SVG.feBlend.qname; | %SVG.feColorMatrix.qname;
  | %SVG.feComponentTransfer.qname; | %SVG.feComposite.qname;
  | %SVG.feConvolveMatrix.qname; | %SVG.feDiffuseLighting.qname;
  | %SVG.feDisplacementMap.qname; | %SVG.feFlood.qname;
  | %SVG.feGaussianBlur.qname; | %SVG.feImage.qname; | %SVG.feMerge.qname;
  | %SVG.feMorphology.qname; | %SVG.feOffset.qname;
  | %SVG.feSpecularLighting.qname; | %SVG.feTile.qname;
  | %SVG.feTurbulence.qname; %SVG.FilterPrimitive.extra.class;"
>

<!-- module: svg-cursor.mod ..... -->

<!ENTITY % SVG.Cursor.extra.class "" >
<!ENTITY % SVG.Cursor.class
  "| %SVG.cursor.qname; %SVG.Cursor.extra.class;"
>

<!-- module: svg-hyperlink.mod ..... -->

<!ENTITY % SVG.Hyperlink.extra.class "" >
<!ENTITY % SVG.Hyperlink.class
  "| %SVG.a.qname; %SVG.Hyperlink.extra.class;"
>

<!-- module: svg-view.mod ..... -->

<!ENTITY % SVG.View.extra.class "" >
<!ENTITY % SVG.View.class
  "| %SVG.view.qname; %SVG.View.extra.class;"
>

<!-- module: svg-script.mod ..... -->

```

```

<!ENTITY % SVG.Script.extra.class "" >
<!ENTITY % SVG.Script.class
  "| %SVG.script.qname; %SVG.Script.extra.class;"
>

<!-- module: svg-animation.mod ..... -->

<!ENTITY % SVG.Animation.extra.class "" >
<!ENTITY % SVG.Animation.class
  "%SVG.animate.qname; | %SVG.set.qname; | %SVG.animateMotion.qname; |
  %SVG.animateColor.qname; | %SVG.animateTransform.qname;
  %SVG.Animation.extra.class;"
>

<!-- module: svg-font.mod ..... -->

<!ENTITY % SVG.Font.extra.class "" >
<!ENTITY % SVG.Font.class
  "| %SVG.font.qname; | %SVG.font-face.qname; %SVG.Font.extra.class;"
>

<!-- module: svg-extensibility.mod ..... -->

<!ENTITY % SVG.Extensibility.extra.class "" >
<!ENTITY % SVG.Extensibility.class
  "| %SVG.foreignObject.qname; %SVG.Extensibility.extra.class;"
>

<!-- end of svg11-model.mod -->

```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg11-model.mod
```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- XHTML Param Element Module ..... -->
<!-- file: xhtml-param-1.mod

```

This is XHTML, a reformulation of HTML as a modular XML application.
 Copyright 1998-2000 W3C (MIT, INRIA, Keio), All Rights Reserved.
 Revision: \$Id: xhtml-param-1.mod,v 1.1 2001/02/13 12:24:22 ht Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```

PUBLIC "-//W3C//ELEMENTS XHTML Param Element 1.0//EN"
SYSTEM "http://www.w3.org/TR/xhtml-modulization/DTD/xhtml-param-1.mod"

```

Revisions:

(none)

..... -->

<!-- Parameters for Java Applets and Embedded Objects

param

This module provides declarations for the param element,
used to provide named property values for the applet
and object elements.

-->

<!-- param: Named Property Value -->

<!ENTITY % param.element "INCLUDE" >

<![%param.element;[

<!ENTITY % param.content "EMPTY" >

<!ENTITY % param.qname "param" >

<!ELEMENT %param.qname; %param.content; >

<!-- end of param.element -->]]>

<!ENTITY % param.attlist "INCLUDE" >

<![%param.attlist;[

<!ATTLIST %param.qname;

 %XHTML.xmlns.attrib;

 %id.attrib;

 name CDATA #REQUIRED

 value CDATA #IMPLIED

 valuetype (data | ref | object) 'data'

 type %ContentType.datatype; #IMPLIED

>

<!-- end of param.attlist -->]]>

<!-- end of xhtml-param-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/rddl/xhtml-param-1.mod

No license file was found, but licenses were detected in source scan.

<!-- -->

<!-- XHTML Document Style Sheet Module -->

<!-- file: xhtml-style-1.mod

This is XHTML, a reformulation of HTML as a modular XML application.

Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.

Revision: \$Id: xhtml-style-1.mod,v 4.1 2001/04/05 06:57:40 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//DTD XHTML Style Sheets 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-style-1.mod"
```

Revisions:

(none)

..... -->

<!-- Style Sheets

style

This module declares the style element type and its attributes,
used to embed style sheet information in the document head element.

-->

<!-- style: Style Sheet Information -->

```
<!ENTITY % style.element "INCLUDE" >
<![%style.element;[
<!ENTITY % style.content "( #PCDATA )" >
<!ENTITY % style.qname "style" >
<!ELEMENT %style.qname; %style.content; >
<!-- end of style.element -->]]>
```

```
<!ENTITY % style.attlist "INCLUDE" >
<![%style.attlist;[
<!ATTLIST %style.qname;
    %XHTML.xmlns.attrib;
    %id.attrib;
    %title.attrib;
    %I18n.attrib;
    xml:space ( preserve )      #FIXED 'preserve'
    type      %ContentType.datatype; #REQUIRED
    media     %MediaDesc.datatype;  #IMPLIED
>
<!-- end of style.attlist -->]]>
```

<!-- end of xhtml-style-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-style-1.mod

No license file was found, but licenses were detected in source scan.


```
<!-- ..... -->
<!-- XHTML Text Module ..... -->
<!-- file: xhtml-text-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2000 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: xhtml-text-1.mod,v 1.1 2001/02/13 12:24:23 ht Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Text 1.0//EN"
SYSTEM "http://www.w3.org/TR/xhtml-modulization/DTD/xhtml-text-1.mod"
```

Revisions:

(none)

```
..... -->
```

```
<!-- Textual Content
```

The Text module includes declarations for all core
text container elements and their attributes.

```
-->
```

```
<!ENTITY % xhtml-inlstruct.module "INCLUDE" >
<![%xhtml-inlstruct.module;[
<!ENTITY % xhtml-inlstruct.mod
PUBLIC "-//W3C//ELEMENTS XHTML Inline Structural 1.0//EN"
"xhtml-inlstruct-1.mod" >
% xhtml-inlstruct.mod;]]>
```

```
<!ENTITY % xhtml-inlphras.module "INCLUDE" >
<![%xhtml-inlphras.module;[
<!ENTITY % xhtml-inlphras.mod
PUBLIC "-//W3C//ELEMENTS XHTML Inline Phrasal 1.0//EN"
"xhtml-inlphras-1.mod" >
% xhtml-inlphras.mod;]]>
```

```
<!ENTITY % xhtml-blkstruct.module "INCLUDE" >
<![%xhtml-blkstruct.module;[
<!ENTITY % xhtml-blkstruct.mod
PUBLIC "-//W3C//ELEMENTS XHTML Block Structural 1.0//EN"
"xhtml-blkstruct-1.mod" >
% xhtml-blkstruct.mod;]]>
```

```
<!ENTITY % xhtml-blkphras.module "INCLUDE" >
<![%xhtml-blkphras.module;[
<!ENTITY % xhtml-blkphras.mod
PUBLIC "-//W3C//ELEMENTS XHTML Block Phrasal 1.0//EN"
```

```
"xhtml-blkphras-1.mod" >
%xhtml-blkphras.mod;]]>
```

```
<!-- end of xhtml-text-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/rddl/xhtml-text-1.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- SVG 1.1 Basic Graphics Attribute Module ..... -->
<!-- file: svg-basic-graphics-attrib.mod
```

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-basic-graphics-attrib.mod,v 1.2 2002/04/20 18:07:42 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES SVG 1.1 Basic Graphics Attribute//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-basic-graphics-attrib.mod"
```

```
..... -->
```

```
<!-- Basic Graphics Attribute
```

display, visibility

This module defines the Graphics attribute set.

```
-->
```

```
<!ENTITY % SVG.display.attrib
"display ( inline | block | list-item | run-in | compact | marker |
table | inline-table | table-row-group | table-header-group |
table-footer-group | table-row | table-column-group |
table-column | table-cell | table-caption | none | inherit )
#IMPLIED"
```

```
>
```

```
<!ENTITY % SVG.visibility.attrib
"visibility ( visible | hidden | inherit ) #IMPLIED"
```

```
>
```

```
<!ENTITY % SVG.Graphics.extra.attrib "" >
```

```
<!ENTITY % SVG.Graphics.attrib
"%SVG.display.attrib;
```

```
%SVG.visibility.attrib;
%SVG.Graphics.extra.attrib;"
```

```
>
```

```
<!-- end of svg-basic-graphics-attrib.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-basic-graphics-attrib.mod
```

No license file was found, but licenses were detected in source scan.

SVG 1.1 Basic DTD

This is SVG Basic, a proper subset of SVG.

The Scalable Vector Graphics (SVG)

Copyright 2001, 2002 World Wide Web Consortium

(Massachusetts Institute of Technology, Institut National de

Recherche en Informatique et en Automatique, Keio University).

All Rights Reserved.

Permission to use, copy, modify and distribute the SVG DTD and its accompanying documentation for any purpose and without fee is hereby granted in perpetuity, provided that the above copyright notice and this paragraph appear in all copies. The copyright holders make no representation about the suitability of the DTD for any purpose.

It is provided "as is" without expressed or implied warranty.

Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>

Revision: \$Id: svg11

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg11-basic.dtd
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
```

```
<!-- XHTML Base Element Module ..... -->
```

```
<!-- file: xhtml-base-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.

Copyright 1998-2000 W3C (MIT, INRIA, Keio), All Rights Reserved.

Revision: \$Id: xhtml-base-1.mod,v 1.1 2001/02/13 12:24:21 ht Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Base Element 1.0//EN"
```

SYSTEM "http://www.w3.org/TR/xhtml-modulization/DTD/xhtml-base-1.mod"

Revisions:

(none)

..... -->

<!-- Base element

base

This module declares the base element type and its attributes, used to define a base URI against which relative URIs in the document will be resolved.

Note that this module also redeclares the content model for the head element to include the base element.

-->

<!-- base: Document Base URI -->

```
<!ENTITY % base.element "INCLUDE" >
<![%base.element;[
<!ENTITY % base.content "EMPTY" >
<!ENTITY % base.qname "base" >
<!ELEMENT %base.qname; %base.content; >
<!-- end of base.element -->]]>
```

```
<!ENTITY % base.attlist "INCLUDE" >
<![%base.attlist;[
<!ATTLIST %base.qname;
  %XHTML.xmlns.attrib;
  href %URI.datatype; #REQUIRED
>
<!-- end of base.attlist -->]]>
```

```
<!ENTITY % head.content
"( %HeadOpts.mix;,
 ( ( %title.qname;, %HeadOpts.mix;, ( %base.qname;, %HeadOpts.mix; )? )
 | ( %base.qname;, %HeadOpts.mix;, ( %title.qname;, %HeadOpts.mix; )))"
>
```

<!-- end of xhtml-base-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/rddl/xhtml-base-1.mod

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Block Phrasal Module ..... -->
<!-- file: xhtml-blkphras-1.mod

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
Revision: $Id: xhtml-blkphras-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp $ SMI
```

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Block Phrasal 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-blkphras-1.mod"
```

Revisions:

(none)

```
..... -->
```

```
<!-- Block Phrasal
```

address, blockquote, pre, h1, h2, h3, h4, h5, h6

This module declares the elements and their attributes used to support block-level phrasal markup.

```
-->
```

```
<!ENTITY % address.element "INCLUDE" >
<![%address.element;[
<!ENTITY % address.content
"( #PCDATA | %Inline.mix; )*" >
<!ENTITY % address.qname "address" >
<!ELEMENT %address.qname; %address.content; >
<!-- end of address.element -->]]>
```

```
<!ENTITY % address.attlist "INCLUDE" >
<![%address.attlist;[
<!ATTLIST %address.qname;
%Common.attrib;
>
<!-- end of address.attlist -->]]>
```

```
<!ENTITY % blockquote.element "INCLUDE" >
<![%blockquote.element;[
<!ENTITY % blockquote.content
"( %Block.mix; )*"
>
<!ENTITY % blockquote.qname "blockquote" >
<!ELEMENT %blockquote.qname; %blockquote.content; >
<!-- end of blockquote.element -->]]>
```

```

<!ENTITY % blockquote.attlist "INCLUDE" >
<![%blockquote.attlist;[
<!ATTLIST %blockquote.qname;
    %Common.attrib;
    cite    %URI.datatype;    #IMPLIED
>
<!-- end of blockquote.attlist -->]]>

```

```

<!ENTITY % pre.element "INCLUDE" >
<![%pre.element;[
<!ENTITY % pre.content
    "( #PCDATA
    | %InlStruct.class;
    %InlPhras.class;
    | %tt.qname; | %i.qname; | %b.qname;
    %I18n.class;
    %Anchor.class;
    | %map.qname;
    %Misc.class;
    %Inline.extra; )*"
>
<!ENTITY % pre.qname "pre" >
<!ELEMENT %pre.qname; %pre.content; >
<!-- end of pre.element -->]]>

```

```

<!ENTITY % pre.attlist "INCLUDE" >
<![%pre.attlist;[
<!ATTLIST %pre.qname;
    %Common.attrib;
>
<!-- end of pre.attlist -->]]>

```

```

<!-- ..... Heading Elements ..... -->

```

```

<!ENTITY % Heading.content "( #PCDATA | %Inline.mix; )*" >

```

```

<!ENTITY % h1.element "INCLUDE" >
<![%h1.element;[
<!ENTITY % h1.qname "h1" >
<!ELEMENT %h1.qname; %Heading.content; >
<!-- end of h1.element -->]]>

```

```

<!ENTITY % h1.attlist "INCLUDE" >
<![%h1.attlist;[
<!ATTLIST %h1.qname;
    %Common.attrib;
>

```

<!-- end of h1.attlist -->]]>

```
<!ENTITY % h2.element "INCLUDE" >
<![%h2.element;[
<!ENTITY % h2.qname "h2" >
<!ELEMENT %h2.qname; %Heading.content; >
<!-- end of h2.element -->]]>
```

```
<!ENTITY % h2.attlist "INCLUDE" >
<![%h2.attlist;[
<!ATTLIST %h2.qname;
    %Common.attrib;
>
<!-- end of h2.attlist -->]]>
```

```
<!ENTITY % h3.element "INCLUDE" >
<![%h3.element;[
<!ENTITY % h3.qname "h3" >
<!ELEMENT %h3.qname; %Heading.content; >
<!-- end of h3.element -->]]>
```

```
<!ENTITY % h3.attlist "INCLUDE" >
<![%h3.attlist;[
<!ATTLIST %h3.qname;
    %Common.attrib;
>
<!-- end of h3.attlist -->]]>
```

```
<!ENTITY % h4.element "INCLUDE" >
<![%h4.element;[
<!ENTITY % h4.qname "h4" >
<!ELEMENT %h4.qname; %Heading.content; >
<!-- end of h4.element -->]]>
```

```
<!ENTITY % h4.attlist "INCLUDE" >
<![%h4.attlist;[
<!ATTLIST %h4.qname;
    %Common.attrib;
>
<!-- end of h4.attlist -->]]>
```

```
<!ENTITY % h5.element "INCLUDE" >
<![%h5.element;[
<!ENTITY % h5.qname "h5" >
<!ELEMENT %h5.qname; %Heading.content; >
<!-- end of h5.element -->]]>
```

```
<!ENTITY % h5.attlist "INCLUDE" >
```

```
<![%h5.attlist;[
<!ATTLIST %h5.qname;
    %Common.attrib;
>
<!-- end of h5.attlist -->]]>

<!ENTITY % h6.element "INCLUDE" >
<![%h6.element;[
<!ENTITY % h6.qname "h6" >
<!ELEMENT %h6.qname; %Heading.content; >
<!-- end of h6.element -->]]>

<!ENTITY % h6.attlist "INCLUDE" >
<![%h6.attlist;[
<!ATTLIST %h6.qname;
    %Common.attrib;
>
<!-- end of h6.attlist -->]]>

<!-- end of xhtml-blkphras-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-blkphras-1.mod
```

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Editors: Murray M. Altheim <mailto:altheim@eng.sun.com>

Peter Stark <mailto:Peter.Stark@ecs.ericsson.se>

Revision: \$Id: xhtml

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml10/xhtml-basic10.dtd
```

No license file was found, but licenses were detected in source scan.


```
<!-- ..... -->
<!-- XHTML Access Module ..... -->
<!-- file: xhtml-access-1.mod
```

This is XHTML Access - the Access Module for XHTML.

Copyright 2007-2008 W3C (MIT, ERCIM, Keio), All Rights Reserved.

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Access Element 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-access-1.mod"
```

Revisions:

(none)

```
..... -->
```

```
<!ENTITY % Character.datatype "CDATA" >
<!ENTITY % CURIes.datatype "CDATA" >
<!ENTITY % IDREFs.datatype "CDATA" >
```

```
<!ENTITY % access.element "INCLUDE" >
<![%access.element;[
<!ENTITY % access.content "EMPTY" >
<!ENTITY % XHTML-ACCESS.access.qname "access" >
<!ELEMENT %XHTML-ACCESS.access.qname; %access.content; >
<!-- end of access.element -->]]>
```

```
<!ENTITY % access.attlist "INCLUDE" >
<![%access.attlist;[
<!ATTLIST %access.qname;
    %Common.attrib;
    activate ( yes | no )      #IMPLIED
    key %Character.datatype; #IMPLIED
    targetid %IDREFs.datatype; #IMPLIED
    targetrole %CURIes.datatype; #IMPLIED
>
<!-- end of access.attlist -->]]>
```

```
<!-- end of xhtml-access-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-access-1.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
```

<!-- SVG 1.1 Marker Module -->

<!-- file: svg-marker.mod

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-marker.mod,v 1.4 2002/11/14 15:11:03 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ELEMENTS SVG 1.1 Marker//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-marker.mod"

..... -->

<!-- Marker

marker

This module declares markup to provide support for marker.

-->

<!-- 'marker' property/attribute value (e.g., 'none', <uri>) -->

<!ENTITY % MarkerValue.datatype "CDATA" >

<!-- Qualified Names (Default) -->

<!ENTITY % SVG.marker.qname "marker" >

<!-- Attribute Collections (Default) -->

<!ENTITY % SVG.Core.attrib "" >

<!ENTITY % SVG.Container.attrib "" >

<!ENTITY % SVG.Style.attrib "" >

<!ENTITY % SVG.Viewport.attrib "" >

<!ENTITY % SVG.Text.attrib "" >

<!ENTITY % SVG.TextContent.attrib "" >

<!ENTITY % SVG.Font.attrib "" >

<!ENTITY % SVG.Paint.attrib "" >

<!ENTITY % SVG.Color.attrib "" >

<!ENTITY % SVG.Opacity.attrib "" >

<!ENTITY % SVG.Graphics.attrib "" >

<!ENTITY % SVG.ColorProfile.attrib "" >

<!ENTITY % SVG.Gradient.attrib "" >

<!ENTITY % SVG.Clip.attrib "" >

<!ENTITY % SVG.Mask.attrib "" >

<!ENTITY % SVG.Filter.attrib "" >

<!ENTITY % SVG.FilterColor.attrib "" >

<!ENTITY % SVG.Cursor.attrib "" >

```

<!ENTITY % SVG.External.attrib "" >

<!-- SVG.Marker.class ..... -->

<!ENTITY % SVG.Marker.extra.class "" >

<!ENTITY % SVG.Marker.class
  "| %SVG.marker.qname; %SVG.Marker.extra.class;"
>

<!-- SVG.Marker.attrib ..... -->

<!ENTITY % SVG.Marker.extra.attrib "" >

<!ENTITY % SVG.Marker.attrib
  "marker-start %MarkerValue.datatype; #IMPLIED
  marker-mid %MarkerValue.datatype; #IMPLIED
  marker-end %MarkerValue.datatype; #IMPLIED
  %SVG.Marker.extra.attrib;"
>

<!-- SVG.Presentation.attrib ..... -->

<!ENTITY % SVG.Presentation.extra.attrib "" >

<!ENTITY % SVG.Presentation.attrib
  "%SVG.Container.attrib;
  %SVG.Viewport.attrib;
  %SVG.Text.attrib;
  %SVG.TextContent.attrib;
  %SVG.Font.attrib;
  %SVG.Paint.attrib;
  %SVG.Color.attrib;
  %SVG.Opacity.attrib;
  %SVG.Graphics.attrib;
  %SVG.Marker.attrib;
  %SVG.ColorProfile.attrib;
  %SVG.Gradient.attrib;
  %SVG.Clip.attrib;
  %SVG.Mask.attrib;
  %SVG.Filter.attrib;
  %SVG.FilterColor.attrib;
  %SVG.Cursor.attrib;
  flood-color %SVGColor.datatype; #IMPLIED
  flood-opacity %OpacityValue.datatype; #IMPLIED
  lighting-color %SVGColor.datatype; #IMPLIED
  %SVG.Presentation.extra.attrib;"
>

```

```

<!-- marker: Marker Element ..... -->

<!ENTITY % SVG.marker.extra.content "" >

<!ENTITY % SVG.marker.element "INCLUDE" >
<![%SVG.marker.element;[
<!ENTITY % SVG.marker.content
    "( %SVG.Description.class; | %SVG.Animation.class; %SVG.Structure.class;
    %SVG.Conditional.class; %SVG.Image.class; %SVG.Style.class;
    %SVG.Shape.class; %SVG.Text.class; %SVG.Marker.class;
    %SVG.ColorProfile.class; %SVG.Gradient.class; %SVG.Pattern.class;
    %SVG.Clip.class; %SVG.Mask.class; %SVG.Filter.class; %SVG.Cursor.class;
    %SVG.Hyperlink.class; %SVG.View.class; %SVG.Script.class;
    %SVG.Font.class; %SVG.marker.extra.content; )*"
>
<!ELEMENT %SVG.marker.qname; %SVG.marker.content; >
<!-- end of SVG.marker.element -->]]>

```

```

<!ENTITY % SVG.marker.attlist "INCLUDE" >
<![%SVG.marker.attlist;[
<!ATTLIST %SVG.marker.qname;
    %SVG.Core.attrib;
    %SVG.Style.attrib;
    %SVG.Presentation.attrib;
    %SVG.External.attrib;
    refX %Coordinate.datatype; #IMPLIED
    refY %Coordinate.datatype; #IMPLIED
    markerUnits ( strokeWidth | userSpaceOnUse ) #IMPLIED
    markerWidth %Length.datatype; #IMPLIED
    markerHeight %Length.datatype; #IMPLIED
    orient CDATA #IMPLIED
    viewBox %ViewBoxSpec.datatype; #IMPLIED
    preserveAspectRatio %PreserveAspectRatioSpec.datatype; 'xMidYMid meet'
>
<!-- end of SVG.marker.attlist -->]]>

```

```

<!-- end of svg-marker.mod -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-marker.mod

```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- SVG 1.1 Gradient Module ..... -->
<!-- file: svg-gradient.mod

```

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-gradient.mod,v 1.3 2002/10/24 17:40:15 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS SVG 1.1 Gradient//EN"  
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-gradient.mod"
```

```
..... -->
```

```
<!-- Gradient
```

```
    linearGradient, radialGradient, stop
```

```
    This module declares markup to provide support for gradient fill.
```

```
-->
```

```
<!-- a <number> or a <percentage> -->
```

```
<!ENTITY % NumberOrPercentage.datatype "CDATA" >
```

```
<!-- Qualified Names (Default) ..... -->
```

```
<!ENTITY % SVG.linearGradient.qname "linearGradient" >
```

```
<!ENTITY % SVG.radialGradient.qname "radialGradient" >
```

```
<!ENTITY % SVG.stop.qname "stop" >
```

```
<!-- Attribute Collections (Default) ..... -->
```

```
<!ENTITY % SVG.Core.attrib "" >
```

```
<!ENTITY % SVG.Style.attrib "" >
```

```
<!ENTITY % SVG.Color.attrib "" >
```

```
<!ENTITY % SVG.XLink.attrib "" >
```

```
<!ENTITY % SVG.External.attrib "" >
```

```
<!-- SVG.Gradient.class ..... -->
```

```
<!ENTITY % SVG.Gradient.extra.class "" >
```

```
<!ENTITY % SVG.Gradient.class
```

```
    "| %SVG.linearGradient.qname; | %SVG.radialGradient.qname;
```

```
    %SVG.Gradient.extra.class;"
```

```
>
```

```
<!-- SVG.Gradient.attrib ..... -->
```

```
<!ENTITY % SVG.Gradient.extra.attrib "" >
```

```

<!ENTITY % SVG.Gradient.attrib
"stop-color %SVGColor.datatype; #IMPLIED
stop-opacity %OpacityValue.datatype; #IMPLIED
%SVG.Gradient.extra.attrib;"
>

<!-- linearGradient: Linear Gradient Element ..... -->

<!ENTITY % SVG.linearGradient.extra.content "" >

<!ENTITY % SVG.linearGradient.element "INCLUDE" >
<![%SVG.linearGradient.element;[
<!ENTITY % SVG.linearGradient.content
"(( %SVG.Description.class; )*, ( %SVG.stop.qname; | %SVG.animate.qname;
| %SVG.set.qname; | %SVG.animateTransform.qname;
%SVG.linearGradient.extra.content; )*)"
>
<!ELEMENT %SVG.linearGradient.qname; %SVG.linearGradient.content; >
<!-- end of SVG.linearGradient.element -->]]>

<!ENTITY % SVG.linearGradient.attlist "INCLUDE" >
<![%SVG.linearGradient.attlist;[
<!ATTLIST %SVG.linearGradient.qname;
%SVG.Core.attrib;
%SVG.Style.attrib;
%SVG.Color.attrib;
%SVG.Gradient.attrib;
%SVG.XLink.attrib;
%SVG.External.attrib;
x1 %Coordinate.datatype; #IMPLIED
y1 %Coordinate.datatype; #IMPLIED
x2 %Coordinate.datatype; #IMPLIED
y2 %Coordinate.datatype; #IMPLIED
gradientUnits ( userSpaceOnUse | objectBoundingBox ) #IMPLIED
gradientTransform %TransformList.datatype; #IMPLIED
spreadMethod ( pad | reflect | repeat ) #IMPLIED
>
<!-- end of SVG.linearGradient.attlist -->]]>

<!-- radialGradient: Radial Gradient Element ..... -->

<!ENTITY % SVG.radialGradient.extra.content "" >

<!ENTITY % SVG.radialGradient.element "INCLUDE" >
<![%SVG.radialGradient.element;[
<!ENTITY % SVG.radialGradient.content
"(( %SVG.Description.class; )*, ( %SVG.stop.qname; | %SVG.animate.qname;
| %SVG.set.qname; | %SVG.animateTransform.qname;

```

```

    %SVG.radialGradient.extra.content; )*)"
>
<!ELEMENT %SVG.radialGradient.qname; %SVG.radialGradient.content; >
<!-- end of SVG.radialGradient.element -->]]>

<!ENTITY % SVG.radialGradient.attlist "INCLUDE" >
<![%SVG.radialGradient.attlist;[
<!ATTLIST %SVG.radialGradient.qname;
    %SVG.Core.attrib;
    %SVG.Style.attrib;
    %SVG.Color.attrib;
    %SVG.Gradient.attrib;
    %SVG.XLink.attrib;
    %SVG.External.attrib;
    cx %Coordinate.datatype; #IMPLIED
    cy %Coordinate.datatype; #IMPLIED
    r %Length.datatype; #IMPLIED
    fx %Coordinate.datatype; #IMPLIED
    fy %Coordinate.datatype; #IMPLIED
    gradientUnits ( userSpaceOnUse | objectBoundingBox ) #IMPLIED
    gradientTransform %TransformList.datatype; #IMPLIED
    spreadMethod ( pad | reflect | repeat ) #IMPLIED
>
<!-- end of SVG.radialGradient.attlist -->]]>

<!-- stop: Stop Element ..... -->

<!ENTITY % SVG.stop.extra.content "" >

<!ENTITY % SVG.stop.element "INCLUDE" >
<![%SVG.stop.element;[
<!ENTITY % SVG.stop.content
    "( %SVG.animate.qname; | %SVG.set.qname; | %SVG.animateColor.qname;
    %SVG.stop.extra.content; )*"
>
<!ELEMENT %SVG.stop.qname; %SVG.stop.content; >
<!-- end of SVG.stop.element -->]]>

<!ENTITY % SVG.stop.attlist "INCLUDE" >
<![%SVG.stop.attlist;[
<!ATTLIST %SVG.stop.qname;
    %SVG.Core.attrib;
    %SVG.Style.attrib;
    %SVG.Color.attrib;
    %SVG.Gradient.attrib;
    offset %NumberOrPercentage.datatype; #REQUIRED
>
<!-- end of SVG.stop.attlist -->]]>

```

<!-- end of svg-gradient.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/svg11/svg-gradient.mod

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dev/

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This DTD is identified by the PUBLIC and SYSTEM identifiers:

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Editors: Murray M. Altheim <mailto:altheim@eng.sun.com>

Peter Stark <mailto:Peter.Stark@ecs.ericsson.se>

Revision: \$Id: rddl

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/rddl/rddl-xhtml.dtd

No license file was found, but licenses were detected in source scan.

<!-- -->

<!-- XHTML Notations Module -->

<!-- file: xhtml-notations-1.mod

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2000 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: xhtml-notations-1.mod,v 1.1 2001/02/13 12:24:22 ht Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//NOTATIONS XHTML Notations 1.0//EN"
SYSTEM "http://www.w3.org/TR/xhtml-modulization/DTD/xhtml-notations-1.mod"
```

Revisions:

(none)

..... -->

<!-- Notations

defines the following notations, many of these imported from
other specifications and standards. When an existing FPI is
known, it is incorporated here.

-->

<!-- XML Notations -->

<!-- SGML and XML Notations -->

<!-- W3C XML 1.0 Recommendation -->

<!NOTATION w3c-xml

PUBLIC "ISO 8879//NOTATION Extensible Markup Language (XML) 1.0//EN" >

<!-- XML 1.0 CDATA -->

<!NOTATION cdata

PUBLIC "-//W3C//NOTATION XML 1.0: CDATA//EN" >

<!-- SGML Formal Public Identifiers -->

<!NOTATION fpi

PUBLIC "ISO 8879:1986//NOTATION Formal Public Identifier//EN" >

<!-- XHTML Notations -->

<!-- Length defined for cellpadding/cellspacing -->

<!-- nn for pixels or nn% for percentage length -->

<!NOTATION length

PUBLIC "-//W3C//NOTATION XHTML Datatype: Length//EN" >

<!-- space-separated list of link types -->

<!NOTATION linkTypes

PUBLIC "-//W3C//NOTATION XHTML Datatype: LinkTypes//EN" >

```

<!-- single or comma-separated list of media descriptors -->
<!NOTATION mediaDesc
  PUBLIC "-//W3C//NOTATION XHTML Datatype: MediaDesc//EN" >

<!-- pixel, percentage, or relative -->
<!NOTATION multiLength
  PUBLIC "-//W3C//NOTATION XHTML Datatype: MultiLength//EN" >

<!-- one or more digits (NUMBER) -->
<!NOTATION number
  PUBLIC "-//W3C//NOTATION XHTML Datatype: Number//EN" >

<!-- integer representing length in pixels -->
<!NOTATION pixels
  PUBLIC "-//W3C//NOTATION XHTML Datatype: Pixels//EN" >

<!-- script expression -->
<!NOTATION script
  PUBLIC "-//W3C//NOTATION XHTML Datatype: Script//EN" >

<!-- textual content -->
<!NOTATION text
  PUBLIC "-//W3C//NOTATION XHTML Datatype: Text//EN" >

<!-- Imported Notations ..... -->

<!-- a single character from [ISO10646] -->
<!NOTATION character
  PUBLIC "-//W3C//NOTATION XHTML Datatype: Character//EN" >

<!-- a character encoding, as per [RFC2045] -->
<!NOTATION charset
  PUBLIC "-//W3C//NOTATION XHTML Datatype: Charset//EN" >

<!-- a space separated list of character encodings, as per [RFC2045] -->
<!NOTATION charsets
  PUBLIC "-//W3C//NOTATION XHTML Datatype: Charsets//EN" >

<!-- media type, as per [RFC2045] -->
<!NOTATION contentType
  PUBLIC "-//W3C//NOTATION XHTML Datatype: ContentType//EN" >

<!-- comma-separated list of media types, as per [RFC2045] -->
<!NOTATION contentTypes
  PUBLIC "-//W3C//NOTATION XHTML Datatype: ContentTypes//EN" >

<!-- date and time information. ISO date format -->
<!NOTATION datetime

```

```

PUBLIC "-//W3C//NOTATION XHTML Datatype: Datetime//EN" >

<!-- a language code, as per [RFC1766] -->
<!NOTATION languageCode
  PUBLIC "-//W3C//NOTATION XHTML Datatype: LanguageCode//EN" >

<!-- a Uniform Resource Identifier, see [URI] -->
<!NOTATION uri
  PUBLIC "-//W3C//NOTATION XHTML Datatype: URI//EN" >

<!-- a space-separated list of Uniform Resource Identifiers, see [URI] -->
<!NOTATION uris
  PUBLIC "-//W3C//NOTATION XHTML Datatype: URIs//EN" >

<!-- end of xhtml-notations-1.mod -->

```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/rddl/xhtml-notations-1.mod
```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- XHTML Legacy Redeclarations Module ..... -->
<!-- file: xhtml-legacy-redecl-1.mod

```

This is an extension of XHTML, a reformulation of HTML as a modular XML application.
 Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
 Revision: \$Id: xhtml-legacy-redecl-1.mod,v 4.4 2001/04/10 09:42:30 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```

PUBLIC "-//W3C//ELEMENTS XHTML Legacy Redeclarations 1.0//EN"
SYSTEM "http://www.w3.org/Markup/DTD/xhtml-legacy-redecl-1.mod"

```

Revisions:

(none)

```
..... -->
```

<!-- Legacy Redeclarations

This optional module replaces the Modular Framework module, interspersing redeclarations of various parameter entities to allow for inclusions of Transitional markup in the XHTML 1.1 document model. This instantiates the modules needed to support the XHTML modularization model, including:

- + notations
- + datatypes

- + namespace-qualified names
- + common attributes
- + document model
- + character entities

By default, the Object module is included, with Frames and IFrames ignored.

The Intrinsic Events module is ignored by default but occurs in this module because it must be instantiated prior to Attributes but after Datatypes.

-->

```
<!ENTITY % xhtml-legacy.module "INCLUDE" >
```

```
<!ENTITY % xhtml-arch.module "IGNORE" >
```

```
<![%xhtml-arch.module;[
```

```
<!ENTITY % xhtml-arch.mod
```

```
    PUBLIC "-//W3C//ELEMENTS XHTML Base Architecture 1.0//EN"
```

```
        "xhtml-arch-1.mod" >
```

```
%xhtml-arch.mod;]]>
```

```
<!ENTITY % xhtml-notations.module "INCLUDE" >
```

```
<![%xhtml-notations.module;[
```

```
<!ENTITY % xhtml-notations.mod
```

```
    PUBLIC "-//W3C//NOTATIONS XHTML Notations 1.0//EN"
```

```
        "xhtml-notations-1.mod" >
```

```
%xhtml-notations.mod;]]>
```

```
<!-- Datatypes Module ..... -->
```

```
<!ENTITY % xhtml-datatypes.module "INCLUDE" >
```

```
<![%xhtml-datatypes.module;[
```

```
<!ENTITY % xhtml-datatypes.mod
```

```
    PUBLIC "-//W3C//ENTITIES XHTML Datatypes 1.0//EN"
```

```
        "xhtml-datatypes-1.mod" >
```

```
%xhtml-datatypes.mod;]]>
```

```
<!-- Qualified Names Module ..... -->
```

```
<!ENTITY % xhtml-qname.module "INCLUDE" >
```

```
<![%xhtml-qname.module;[
```

```
<!ENTITY % xhtml-qname.mod
```

```
    PUBLIC "-//W3C//ENTITIES XHTML Qualified Names 1.0//EN"
```

```
        "xhtml-qname-1.mod" >
```

```
%xhtml-qname.mod;]]>
```

```
<!-- Additional Qualified Names ..... -->
```

```
<!-- xhtml-legacy-1.mod -->
```

```
<!ENTITY % font.qname "%XHTML.pfx;font" >
```

```
<!ENTITY % basefont.qname "%XHTML.pfx;basefont" >
```

```

<!ENTITY % center.qname "%XHTML.pfx:center" >
<!ENTITY % s.qname "%XHTML.pfx;s" >
<!ENTITY % strike.qname "%XHTML.pfx:strike" >
<!ENTITY % u.qname "%XHTML.pfx;u" >
<!ENTITY % dir.qname "%XHTML.pfx;dir" >
<!ENTITY % menu.qname "%XHTML.pfx;menu" >
<!ENTITY % isindex.qname "%XHTML.pfx;isindex" >

<!-- xhtml-frames-1.mod -->
<!ENTITY % frameset.qname "%XHTML.pfx;frameset" >
<!ENTITY % frame.qname "%XHTML.pfx;frame" >
<!ENTITY % noframes.qname "%XHTML.pfx;noframes" >

<!-- xhtml-iframe-1.mod -->
<!ENTITY % iframe.qname "%XHTML.pfx;iframe" >

<!ENTITY % xhtml-events.module "IGNORE" >
<![%xhtml-events.module;[
<!ENTITY % xhtml-events.mod
PUBLIC "-//W3C//ENTITIES XHTML Intrinsic Events 1.0//EN"
"xhtml-events-1.mod" >
%xhtml-events.mod;]]>

<!-- Additional Common Attributes ..... -->

<!-- include historical 'lang' attribute (which should
always match the value of 'xml:lang')
-->
<!ENTITY % lang.attrib
"xml:lang %LanguageCode.datatype; #IMPLIED
lang %LanguageCode.datatype; #IMPLIED"
>

<!-- Common Attributes Module ..... -->
<!ENTITY % xhtml-attribs.module "INCLUDE" >
<![%xhtml-attribs.module;[
<!ENTITY % xhtml-attribs.mod
PUBLIC "-//W3C//ENTITIES XHTML Common Attributes 1.0//EN"
"xhtml-attribs-1.mod" >
%xhtml-attribs.mod;]]>

<!-- placeholder for content model redeclarations -->
<!ENTITY % xhtml-model.redecl "" >
%xhtml-model.redecl;

<!-- Document Model Redeclarations ..... -->

<!ENTITY % InlPres.class

```

```

    "| %tt.qname; | %i.qname; | %b.qname; | %big.qname;
    | %small.qname; | %sub.qname; | %sup.qname;
    | %font.qname; | %basefont.qname; | %iframe.qname;
    | %s.qname; | %strike.qname; | %u.qname;"
>

<!ENTITY % InlSpecial.class
    "| %img.qname; | %map.qname;
    | %applet.qname; | %object.qname;" >

<!ENTITY % BlkPres.class
    "| %hr.qname; | %center.qname;"
>

<!ENTITY % BlkSpecial.class
    "| %table.qname; | %form.qname; | %fieldset.qname;
    | %noframes.qname; | %isindex.qname;"
>

<!ENTITY % List.class
    "%ul.qname; | %ol.qname; | %dl.qname;
    | %dir.qname; | %menu.qname;"
>

<!-- Document Model Module ..... -->
<!ENTITY % xhtml-model.module "INCLUDE" >
<![%xhtml-model.module;[
<!-- instantiate the Document Model module declared in the DTD driver
-->
%xhtml-model.mod;]]>

<!ENTITY % blockquote.content
    "( #PCDATA | %Flow.mix; )*"
>

<!ENTITY % noscript.content
    "( #PCDATA | %Flow.mix; )*"
>

<!ENTITY % body.content
    "( #PCDATA | %Flow.mix; )*"
>

<!-- redeclare content model of <html> to allow for either
body or frameset content. The SGML markup minimization
features used in HTML 4 do not apply, so the ambiguity
that necessitated separation into the separate Frameset
and Transitional DTDs is eliminated.

```

```

-->
<!ENTITY % html.content
  "( %head.qname;, ( %body.qname; | %frameset.qname; ) )"
>

<!ENTITY % xhtml-charent.module "INCLUDE" >
<![%xhtml-charent.module;[
<!ENTITY % xhtml-charent.mod
  PUBLIC "-//W3C//ENTITIES XHTML Character Entities 1.0//EN"
    "xhtml-charent-1.mod" >
%xhtml-charent.mod;]]>

<!-- end of xhtml-legacy-redecl-1.mod -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-legacy-redecl-1.mod
No license file was found, but licenses were detected in source scan.

```

```

<!-- ..... -->
<!-- XHTML IFrame Module ..... -->
<!-- file: xhtml-iframe-1.mod

```

This is XHTML, a reformulation of HTML as a modular XML application.
 Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
 Revision: \$Id: xhtml-iframe-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```

PUBLIC "-//W3C//ELEMENTS XHTML Inline Frame Element 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-iframe-1.mod"

```

Revisions:

```

#2000-10-22: added #PCDATA to <iframe> content model as per HTML 4
..... -->

```

```

<!-- Inline Frames

```

```

  iframe

```

This module declares the iframe element type and its attributes,
 used to create an inline frame within a document.

```

-->

```

```

<!-- Inline Frames ..... -->

```

```

<!ENTITY % iframe.content "( #PCDATA | %Flow.mix; )*" >

```

```

<!ENTITY % iframe.qname "iframe" >
<!ELEMENT %iframe.qname; %iframe.content; >
<!ATTLIST %iframe.qname;
  %Core.attrib;
  longdesc %URI.datatype; #IMPLIED
  src %URI.datatype; #IMPLIED
  frameborder ( 1 | 0 ) '1'
  marginwidth %Pixels.datatype; #IMPLIED
  marginheight %Pixels.datatype; #IMPLIED
  scrolling ( yes | no | auto ) 'auto'
  height %Length.datatype; #IMPLIED
  width %Length.datatype; #IMPLIED
>

```

```

<!-- end of xhtml-iframe-1.mod -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-iframe-1.mod

```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- MathML Qualified Names Module ..... -->
<!-- file: mathml3-qname-1.mod

```

This is the Mathematical Markup Language (MathML) 2.0, an XML application for describing mathematical notation and capturing both its structure and content.

Copyright 1998-2009 W3C (MIT, INRIA, Keio), All Rights Reserved.

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```

PUBLIC "-//W3C//ENTITIES MathML 3.0 Qualified Names 1.0//EN"
SYSTEM "mathml3-qname.mod"

```

Revisions:

(none)

```

..... -->

```

```

<!-- MathML Qualified Names

```

This module is contained in two parts, labeled Section 'A' and 'B':

Section A declares parameter entities to support namespace-qualified names, namespace declarations, and name prefixing for MathML.

Section B declares parameter entities used to provide namespace-qualified names for all MathML element types.

This module is derived from the XHTML Qualified Names Template module.

-->

<!-- Section A: XHTML XML Namespace Framework -->

<!ENTITY % NS.prefixed "IGNORE" >

<!ENTITY % MATHML.prefixed "%NS.prefixed;" >

<!-- XLink -->

<!ENTITY % XLINK.prefix "xlink" >

<!ENTITY % XLINK.xmlns "http://www.w3.org/1999/xlink" >

<!ENTITY % XLINK.xmlns.attrib

"xmlns:%XLINK.prefix; CDATA #FIXED '%XLINK.xmlns;'"

>

<!-- W3C XML Schema -->

<!ENTITY % Schema.prefix "xsi" >

<!ENTITY % Schema.xmlns "http://www.w3.org/2001/XMLSchema-instance" >

<!ENTITY % Schema.xmlns.attrib

"xmlns:%Schema.prefix; CDATA #IMPLIED"

>

<!-- MathML -->

<!ENTITY % MATHML.xmlns "http://www.w3.org/1998/Math/MathML" >

<!ENTITY % MATHML.prefix "m" >

<![%MATHML.prefixed;[

<!ENTITY % MATHML.xmlns.extra.attrib "" >

]]>

<!ENTITY % MATHML.xmlns.extra.attrib

"%XLINK.xmlns.attrib;

%Schema.xmlns.attrib;" >

<![%MATHML.prefixed;[

<!ENTITY % MATHML.pfx "%MATHML.prefix;:" >

<!ENTITY % MATHML.xmlns.attrib

"xmlns:%MATHML.prefix; CDATA #FIXED '%MATHML.xmlns;'

%MATHML.xmlns.extra.attrib;"

>

]]>

<!ENTITY % MATHML.pfx "" >

<!ENTITY % MATHML.xmlns.attrib

"xmlns CDATA #FIXED '%MATHML.xmlns;'

```

    %MATHML.xmlns.extra.attrib;"
>

<![%NS.prefixed;[
<!ENTITY % XHTML.xmlns.extra.attrib
    "%MATHML.xmlns.attrib;" >
]]>
<!ENTITY % XHTML.xmlns.extra.attrib
    "%XLINK.xmlns.attrib;
    %Schema.xmlns.attrib;"
>

<!-- ignores subsequent instantiation of this module when
    used as external subset rather than module fragment.
    NOTE: Do not modify this parameter entity, otherwise
    a recursive parsing situation may result.
-->
<!ENTITY % mathml-qname.module "IGNORE" >

<!-- Section B: MathML Qualified Names :::::::::::::::::::: -->

<!-- 9. This section declares parameter entities used to provide
    namespace-qualified names for all MathML element types.
-->

<!ENTITY % abs.qname "%MATHML.pfx;abs" >
<!ENTITY % and.qname "%MATHML.pfx;and" >
<!ENTITY % annotation-xml.qname "%MATHML.pfx;annotation-xml" >
<!ENTITY % annotation.qname "%MATHML.pfx;annotation" >
<!ENTITY % apply.qname "%MATHML.pfx;apply" >
<!ENTITY % approx.qname "%MATHML.pfx;approx" >
<!ENTITY % arccos.qname "%MATHML.pfx;arccos" >
<!ENTITY % arccosh.qname "%MATHML.pfx;arccosh" >
<!ENTITY % arccot.qname "%MATHML.pfx;arccot" >
<!ENTITY % arccoth.qname "%MATHML.pfx;arccoth" >
<!ENTITY % arccsc.qname "%MATHML.pfx;arccsc" >
<!ENTITY % arccsch.qname "%MATHML.pfx;arccsch" >
<!ENTITY % arcsec.qname "%MATHML.pfx;arcsec" >
<!ENTITY % arcsech.qname "%MATHML.pfx;arcsech" >
<!ENTITY % arcsin.qname "%MATHML.pfx;arcsin" >
<!ENTITY % arcsinh.qname "%MATHML.pfx;arcsinh" >
<!ENTITY % arctan.qname "%MATHML.pfx;arctan" >
<!ENTITY % arctanh.qname "%MATHML.pfx;arctanh" >
<!ENTITY % arg.qname "%MATHML.pfx;arg" >
<!ENTITY % bind.qname "%MATHML.pfx;bind" >
<!ENTITY % bvar.qname "%MATHML.pfx;bvar" >
<!ENTITY % card.qname "%MATHML.pfx;card" >

```

<!ENTITY % cartesianproduct.qname "%MATHML.pfx;cartesianproduct" >
 <!ENTITY % cbytes.qname "%MATHML.pfx;cbytes" >
 <!ENTITY % ceiling.qname "%MATHML.pfx;ceiling" >
 <!ENTITY % cerror.qname "%MATHML.pfx;ccerror" >
 <!ENTITY % ci.qname "%MATHML.pfx;ci" >
 <!ENTITY % cn.qname "%MATHML.pfx;cn" >
 <!ENTITY % codomain.qname "%MATHML.pfx;codomain" >
 <!ENTITY % complexes.qname "%MATHML.pfx;complexes" >
 <!ENTITY % compose.qname "%MATHML.pfx;compose" >
 <!ENTITY % condition.qname "%MATHML.pfx;condition" >
 <!ENTITY % conjugate.qname "%MATHML.pfx;conjugate" >
 <!ENTITY % cos.qname "%MATHML.pfx;cos" >
 <!ENTITY % cosh.qname "%MATHML.pfx;cosh" >
 <!ENTITY % cot.qname "%MATHML.pfx;cot" >
 <!ENTITY % coth.qname "%MATHML.pfx;coth" >
 <!ENTITY % cs.qname "%MATHML.pfx;cs" >
 <!ENTITY % csc.qname "%MATHML.pfx;csc" >
 <!ENTITY % csch.qname "%MATHML.pfx;csch" >
 <!ENTITY % csymbol.qname "%MATHML.pfx;csymbol" >
 <!ENTITY % curl.qname "%MATHML.pfx;curl" >
 <!ENTITY % declare.qname "%MATHML.pfx;declare" >
 <!ENTITY % degree.qname "%MATHML.pfx;degree" >
 <!ENTITY % determinant.qname "%MATHML.pfx;determinant" >
 <!ENTITY % diff.qname "%MATHML.pfx;diff" >
 <!ENTITY % divergence.qname "%MATHML.pfx;divergence" >
 <!ENTITY % divide.qname "%MATHML.pfx;divide" >
 <!ENTITY % domain.qname "%MATHML.pfx;domain" >
 <!ENTITY % domainofapplication.qname "%MATHML.pfx;domainofapplication" >
 <!ENTITY % emptyset.qname "%MATHML.pfx;emptyset" >
 <!ENTITY % eq.qname "%MATHML.pfx;eq" >
 <!ENTITY % equivalent.qname "%MATHML.pfx;equivalent" >
 <!ENTITY % eulergamma.qname "%MATHML.pfx;eulergamma" >
 <!ENTITY % exists.qname "%MATHML.pfx;exists" >
 <!ENTITY % exp.qname "%MATHML.pfx;exp" >
 <!ENTITY % exponentiale.qname "%MATHML.pfx;exponentiale" >
 <!ENTITY % factorial.qname "%MATHML.pfx;factorial" >
 <!ENTITY % factorof.qname "%MATHML.pfx;factorof" >
 <!ENTITY % false.qname "%MATHML.pfx>false" >
 <!ENTITY % floor.qname "%MATHML.pfx;floor" >
 <!ENTITY % fn.qname "%MATHML.pfx;fn" >
 <!ENTITY % forall.qname "%MATHML.pfx;forall" >
 <!ENTITY % gcd.qname "%MATHML.pfx;gcd" >
 <!ENTITY % geq.qname "%MATHML.pfx;geq" >
 <!ENTITY % grad.qname "%MATHML.pfx;grad" >
 <!ENTITY % gt.qname "%MATHML.pfx;gt" >
 <!ENTITY % ident.qname "%MATHML.pfx;ident" >
 <!ENTITY % image.qname "%MATHML.pfx;image" >
 <!ENTITY % imaginary.qname "%MATHML.pfx;imaginary" >

<!ENTITY % imaginaryi.qname "%MATHML.pfx;imaginaryi" >
 <!ENTITY % implies.qname "%MATHML.pfx;implies" >
 <!ENTITY % in.qname "%MATHML.pfx;in" >
 <!ENTITY % infinity.qname "%MATHML.pfx;infinity" >
 <!ENTITY % int.qname "%MATHML.pfx;int" >
 <!ENTITY % integers.qname "%MATHML.pfx;integers" >
 <!ENTITY % intersect.qname "%MATHML.pfx;intersect" >
 <!ENTITY % interval.qname "%MATHML.pfx;interval" >
 <!ENTITY % inverse.qname "%MATHML.pfx;inverse" >
 <!ENTITY % lambda.qname "%MATHML.pfx;lambda" >
 <!ENTITY % laplacian.qname "%MATHML.pfx;laplacian" >
 <!ENTITY % lcm.qname "%MATHML.pfx;lcm" >
 <!ENTITY % leq.qname "%MATHML.pfx;leq" >
 <!ENTITY % limit.qname "%MATHML.pfx;limit" >
 <!ENTITY % list.qname "%MATHML.pfx;list" >
 <!ENTITY % ln.qname "%MATHML.pfx;ln" >
 <!ENTITY % log.qname "%MATHML.pfx;log" >
 <!ENTITY % logbase.qname "%MATHML.pfx;logbase" >
 <!ENTITY % lowlimit.qname "%MATHML.pfx;lowlimit" >
 <!ENTITY % lt.qname "%MATHML.pfx;lt" >
 <!ENTITY % maction.qname "%MATHML.pfx;maction" >
 <!ENTITY % maligngroup.qname "%MATHML.pfx;maligngroup" >
 <!ENTITY % malignmark.qname "%MATHML.pfx;malignmark" >
 <!ENTITY % math.qname "%MATHML.pfx;math" >
 <!ENTITY % matrix.qname "%MATHML.pfx;matrix" >
 <!ENTITY % matrixrow.qname "%MATHML.pfx;matrixrow" >
 <!ENTITY % max.qname "%MATHML.pfx;max" >
 <!ENTITY % mean.qname "%MATHML.pfx;mean" >
 <!ENTITY % median.qname "%MATHML.pfx;median" >
 <!ENTITY % menclose.qname "%MATHML.pfx;menclose" >
 <!ENTITY % merror.qname "%MATHML.pfx;merror" >
 <!ENTITY % mfenced.qname "%MATHML.pfx;mfenced" >
 <!ENTITY % mfrac.qname "%MATHML.pfx;mfrac" >
 <!ENTITY % mglyph.qname "%MATHML.pfx;mglyph" >
 <!ENTITY % mi.qname "%MATHML.pfx;mi" >
 <!ENTITY % min.qname "%MATHML.pfx;min" >
 <!ENTITY % minus.qname "%MATHML.pfx;minus" >
 <!ENTITY % mlabeledtr.qname "%MATHML.pfx;mlabeledtr" >
 <!ENTITY % mlongdiv.qname "%MATHML.pfx;mlongdiv" >
 <!ENTITY % mmultiscripts.qname "%MATHML.pfx;mmultiscripts" >
 <!ENTITY % mn.qname "%MATHML.pfx;mn" >
 <!ENTITY % mo.qname "%MATHML.pfx;mo" >
 <!ENTITY % mode.qname "%MATHML.pfx;mode" >
 <!ENTITY % moment.qname "%MATHML.pfx;moment" >
 <!ENTITY % momentabout.qname "%MATHML.pfx;momentabout" >
 <!ENTITY % mover.qname "%MATHML.pfx;mover" >
 <!ENTITY % mpadded.qname "%MATHML.pfx;mpadded" >
 <!ENTITY % mphantom.qname "%MATHML.pfx;mphantom" >

<!ENTITY % mprescripts.qname "%MATHML.pfx;mprescripts" >
 <!ENTITY % mroot.qname "%MATHML.pfx;mroot" >
 <!ENTITY % mrow.qname "%MATHML.pfx;mrow" >
 <!ENTITY % ms.qname "%MATHML.pfx;ms" >
 <!ENTITY % mscarries.qname "%MATHML.pfx;mscarries" >
 <!ENTITY % mscarry.qname "%MATHML.pfx;mscarry" >
 <!ENTITY % msgroup.qname "%MATHML.pfx;msgroup" >
 <!ENTITY % msline.qname "%MATHML.pfx;msline" >
 <!ENTITY % mspace.qname "%MATHML.pfx;mspace" >
 <!ENTITY % msqrt.qname "%MATHML.pfx;msqrt" >
 <!ENTITY % msrow.qname "%MATHML.pfx;msrow" >
 <!ENTITY % mstack.qname "%MATHML.pfx;mstack" >
 <!ENTITY % mstyle.qname "%MATHML.pfx;mstyle" >
 <!ENTITY % msub.qname "%MATHML.pfx;msub" >
 <!ENTITY % msubsup.qname "%MATHML.pfx;msubsup" >
 <!ENTITY % msup.qname "%MATHML.pfx;msup" >
 <!ENTITY % mtable.qname "%MATHML.pfx;mtable" >
 <!ENTITY % mtd.qname "%MATHML.pfx;mtd" >
 <!ENTITY % mtext.qname "%MATHML.pfx;mtext" >
 <!ENTITY % mtr.qname "%MATHML.pfx;mtr" >
 <!ENTITY % munder.qname "%MATHML.pfx;munder" >
 <!ENTITY % munderover.qname "%MATHML.pfx;munderover" >
 <!ENTITY % naturalnumbers.qname "%MATHML.pfx;naturalnumbers" >
 <!ENTITY % neq.qname "%MATHML.pfx;neq" >
 <!ENTITY % none.qname "%MATHML.pfx;none" >
 <!ENTITY % not.qname "%MATHML.pfx;not" >
 <!ENTITY % notanumber.qname "%MATHML.pfx;notanumber" >
 <!ENTITY % notin.qname "%MATHML.pfx;notin" >
 <!ENTITY % notprsubset.qname "%MATHML.pfx;notprsubset" >
 <!ENTITY % notsubset.qname "%MATHML.pfx;notsubset" >
 <!ENTITY % or.qname "%MATHML.pfx;or" >
 <!ENTITY % otherwise.qname "%MATHML.pfx;otherwise" >
 <!ENTITY % outerproduct.qname "%MATHML.pfx;outerproduct" >
 <!ENTITY % partialdiff.qname "%MATHML.pfx;partialdiff" >
 <!ENTITY % pi.qname "%MATHML.pfx;pi" >
 <!ENTITY % piece.qname "%MATHML.pfx;piece" >
 <!ENTITY % piecewise.qname "%MATHML.pfx;piecewise" >
 <!ENTITY % plus.qname "%MATHML.pfx;plus" >
 <!ENTITY % power.qname "%MATHML.pfx;power" >
 <!ENTITY % primes.qname "%MATHML.pfx;primes" >
 <!ENTITY % product.qname "%MATHML.pfx;product" >
 <!ENTITY % prsubset.qname "%MATHML.pfx;prsubset" >
 <!ENTITY % quotient.qname "%MATHML.pfx;quotient" >
 <!ENTITY % rationals.qname "%MATHML.pfx;rational" >
 <!ENTITY % real.qname "%MATHML.pfx;real" >
 <!ENTITY % reals.qname "%MATHML.pfx;reals" >
 <!ENTITY % reln.qname "%MATHML.pfx;reln" >
 <!ENTITY % rem.qname "%MATHML.pfx;rem" >

```

<!ENTITY % root.qname "%MATHML.pfx;root" >
<!ENTITY % scalarproduct.qname "%MATHML.pfx;scalarproduct" >
<!ENTITY % sdev.qname "%MATHML.pfx;sdev" >
<!ENTITY % sec.qname "%MATHML.pfx;sec" >
<!ENTITY % sech.qname "%MATHML.pfx;sech" >
<!ENTITY % selector.qname "%MATHML.pfx;selector" >
<!ENTITY % semantics.qname "%MATHML.pfx;semantics" >
<!ENTITY % sep.qname "%MATHML.pfx;sep" >
<!ENTITY % set.qname "%MATHML.pfx;set" >
<!ENTITY % setdiff.qname "%MATHML.pfx;setdiff" >
<!ENTITY % share.qname "%MATHML.pfx;share" >
<!ENTITY % sin.qname "%MATHML.pfx;sin" >
<!ENTITY % sinh.qname "%MATHML.pfx;sinh" >
<!ENTITY % subset.qname "%MATHML.pfx;subset" >
<!ENTITY % sum.qname "%MATHML.pfx;sum" >
<!ENTITY % tan.qname "%MATHML.pfx;tan" >
<!ENTITY % tanh.qname "%MATHML.pfx;tanh" >
<!ENTITY % tendsto.qname "%MATHML.pfx;tendsto" >
<!ENTITY % times.qname "%MATHML.pfx;times" >
<!ENTITY % transpose.qname "%MATHML.pfx;transpose" >
<!ENTITY % true.qname "%MATHML.pfx>true" >
<!ENTITY % union.qname "%MATHML.pfx;union" >
<!ENTITY % uplimit.qname "%MATHML.pfx;uplimit" >
<!ENTITY % variance.qname "%MATHML.pfx;variance" >
<!ENTITY % vector.qname "%MATHML.pfx;vector" >
<!ENTITY % vectorproduct.qname "%MATHML.pfx;vectorproduct" >
<!ENTITY % xor.qname "%MATHML.pfx;xor" >

```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/mathml/mathml3/mathml3-qname.mod
```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- XHTML Document Scripting Module ..... -->
<!-- file: xhtml-script-1.mod

```

This is XHTML, a reformulation of HTML as a modular XML application.

Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.

Revision: \$Id: xhtml-script-1.mod,v 4.0 2001/04/02 22:42:49 althem Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ELEMENTS XHTML Scripting 1.0//EN"

SYSTEM "http://www.w3.org/Markup/DTD/xhtml-script-1.mod"

Revisions:

(none)

```

..... -->

<!-- Scripting

    script, noscript

    This module declares element types and attributes used to provide
    support for executable scripts as well as an alternate content
    container where scripts are not supported.
-->

<!-- script: Scripting Statement ..... -->

<!ENTITY % script.element "INCLUDE" >
<![%script.element;[
<!ENTITY % script.content "( #PCDATA )" >
<!ENTITY % script.qname "script" >
<!ELEMENT %script.qname; %script.content; >
<!-- end of script.element -->]]>

<!ENTITY % script.attlist "INCLUDE" >
<![%script.attlist;[
<!ATTLIST %script.qname;
    %XHTML.xmlns.attrib;
    %id.attrib;
    xml:space ( preserve )      #FIXED 'preserve'
    charset %Charset.datatype; #IMPLIED
    type %ContentType.datatype; #REQUIRED
    src %URI.datatype; #IMPLIED
    defer ( defer ) #IMPLIED
>
<!-- end of script.attlist -->]]>

<!-- noscript: No-Script Alternate Content ..... -->

<!ENTITY % noscript.element "INCLUDE" >
<![%noscript.element;[
<!ENTITY % noscript.content
    "( %Block.mix; )+"
>
<!ENTITY % noscript.qname "noscript" >
<!ELEMENT %noscript.qname; %noscript.content; >
<!-- end of noscript.element -->]]>

<!ENTITY % noscript.attlist "INCLUDE" >
<![%noscript.attlist;[
<!ATTLIST %noscript.qname;
    %Common.attrib;

```

>
<!-- end of noscript.attlist -->]]>

<!-- end of xhtml-script-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/xhtml11/xhtml-script-1.mod

No license file was found, but licenses were detected in source scan.

<!-- -->
<!-- SVG 1.1 Pattern Module -->
<!-- file: svg-pattern.mod

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-pattern.mod,v 1.4 2002/11/14 15:11:03 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ELEMENTS SVG 1.1 Pattern//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-pattern.mod"

..... -->

<!-- Pattern

pattern

This module declares markup to provide support for pattern fill.

-->

<!-- Qualified Names (Default) -->

<!ENTITY % SVG.pattern.qname "pattern" >

<!-- Attribute Collections (Default) -->

<!ENTITY % SVG.Core.attrib "" >
<!ENTITY % SVG.Container.attrib "" >
<!ENTITY % SVG.Conditional.attrib "" >
<!ENTITY % SVG.Style.attrib "" >
<!ENTITY % SVG.Viewport.attrib "" >
<!ENTITY % SVG.Text.attrib "" >
<!ENTITY % SVG.TextContent.attrib "" >
<!ENTITY % SVG.Font.attrib "" >
<!ENTITY % SVG.Paint.attrib "" >
<!ENTITY % SVG.Color.attrib "" >


```

<!ENTITY % SVG.Opacity.attrib "" >
<!ENTITY % SVG.Graphics.attrib "" >
<!ENTITY % SVG.Marker.attrib "" >
<!ENTITY % SVG.ColorProfile.attrib "" >
<!ENTITY % SVG.Gradient.attrib "" >
<!ENTITY % SVG.Clip.attrib "" >
<!ENTITY % SVG.Mask.attrib "" >
<!ENTITY % SVG.Filter.attrib "" >
<!ENTITY % SVG.FilterColor.attrib "" >
<!ENTITY % SVG.Cursor.attrib "" >
<!ENTITY % SVG.XLink.attrib "" >
<!ENTITY % SVG.External.attrib "" >

<!-- SVG.Pattern.class ..... -->

<!ENTITY % SVG.Pattern.extra.class "" >

<!ENTITY % SVG.Pattern.class
  "| %SVG.pattern.qname; %SVG.Pattern.extra.class;"
>

<!-- SVG.Presentation.attrib ..... -->

<!ENTITY % SVG.Presentation.extra.attrib "" >

<!ENTITY % SVG.Presentation.attrib
  "%SVG.Container.attrib;
  %SVG.Viewport.attrib;
  %SVG.Text.attrib;
  %SVG.TextContent.attrib;
  %SVG.Font.attrib;
  %SVG.Paint.attrib;
  %SVG.Color.attrib;
  %SVG.Opacity.attrib;
  %SVG.Graphics.attrib;
  %SVG.Marker.attrib;
  %SVG.ColorProfile.attrib;
  %SVG.Gradient.attrib;
  %SVG.Clip.attrib;
  %SVG.Mask.attrib;
  %SVG.Filter.attrib;
  %SVG.FilterColor.attrib;
  %SVG.Cursor.attrib;
  flood-color %SVGColor.datatype; #IMPLIED
  flood-opacity %OpacityValue.datatype; #IMPLIED
  lighting-color %SVGColor.datatype; #IMPLIED
  %SVG.Presentation.extra.attrib;"
>

```

```

<!-- pattern: Pattern Element ..... -->

<!ENTITY % SVG.pattern.extra.content "" >

<!ENTITY % SVG.pattern.element "INCLUDE" >
<![%SVG.pattern.element;[
<!ENTITY % SVG.pattern.content
"( %SVG.Description.class; | %SVG.Animation.class; %SVG.Structure.class;
  %SVG.Conditional.class; %SVG.Image.class; %SVG.Style.class;
  %SVG.Shape.class; %SVG.Text.class; %SVG.Marker.class;
  %SVG.ColorProfile.class; %SVG.Gradient.class; %SVG.Pattern.class;
  %SVG.Clip.class; %SVG.Mask.class; %SVG.Filter.class; %SVG.Cursor.class;
  %SVG.Hyperlink.class; %SVG.View.class; %SVG.Script.class;
  %SVG.Font.class; %SVG.pattern.extra.content; )*"
>
<!ELEMENT %SVG.pattern.qname; %SVG.pattern.content; >
<!-- end of SVG.pattern.element -->]]>

<!ENTITY % SVG.pattern.attlist "INCLUDE" >
<![%SVG.pattern.attlist;[
<!ATTLIST %SVG.pattern.qname;
  %SVG.Core.attrib;
  %SVG.Conditional.attrib;
  %SVG.Style.attrib;
  %SVG.Presentation.attrib;
  %SVG.XLink.attrib;
  %SVG.External.attrib;
  x %Coordinate.datatype; #IMPLIED
  y %Coordinate.datatype; #IMPLIED
  width %Length.datatype; #IMPLIED
  height %Length.datatype; #IMPLIED
  patternUnits ( userSpaceOnUse | objectBoundingBox ) #IMPLIED
  patternContentUnits ( userSpaceOnUse | objectBoundingBox ) #IMPLIED
  patternTransform %TransformList.datatype; #IMPLIED
  viewBox %ViewBoxSpec.datatype; #IMPLIED
  preserveAspectRatio %PreserveAspectRatioSpec.datatype; 'xMidYMid meet'
>
<!-- end of SVG.pattern.attlist -->]]>

<!-- end of svg-pattern.mod -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-pattern.mod

```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->

```

<!-- XHTML Block Structural Module -->

<!-- file: xhtml-blkstruct-1.mod

This is XHTML, a reformulation of HTML as a modular XML application.

Copyright 1998-2000 W3C (MIT, INRIA, Keio), All Rights Reserved.

Revision: \$Id: xhtml-blkstruct-1.mod,v 1.1 2001/02/13 12:24:22 ht Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ELEMENTS XHTML Block Structural 1.0//EN"

SYSTEM "http://www.w3.org/TR/xhtml-modulization/DTD/xhtml-blkstruct-1.mod"

Revisions:

(none)

..... -->

<!-- Block Structural

div, p

This module declares the elements and their attributes used to support block-level structural markup.

-->

<!ENTITY % div.element "INCLUDE" >

<![%div.element;[

<!ENTITY % div.content

"(#PCDATA | %Flow.mix;)*"

>

<!ENTITY % div.qname "div" >

<!ELEMENT %div.qname; %div.content; >

<!-- end of div.element -->]]>

<!ENTITY % div.attlist "INCLUDE" >

<![%div.attlist;[

<!-- end of div.attlist -->]]>

<!ATTLIST %div.qname;

%Common.attrib;

>

<!ENTITY % p.element "INCLUDE" >

<![%p.element;[

<!ENTITY % p.content

"(#PCDATA | %Inline.mix;)*" >

<!ENTITY % p.qname "p" >

<!ELEMENT %p.qname; %p.content; >

<!-- end of p.element -->]]>

```
<!ENTITY % p.attlist "INCLUDE" >
<![%p.attlist;[
<!ATTLIST %p.qname;
    %Common.attrib;
>
<!-- end of p.attlist -->]]>
```

```
<!-- end of xhtml-blkstruct-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/rddl/xhtml-blkstruct-1.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- SVG 1.1 Hyperlinking Module ..... -->
<!-- file: svg-hyperlink.mod
```

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-hyperlink.mod,v 1.4 2002/11/14 15:11:02 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS SVG 1.1 Hyperlinking//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-hyperlink.mod"
```

```
..... -->
```

```
<!-- Hyperlinking
```

```
    a
```

This module declares markup to provide support for hyper linking.

```
-->
```

```
<!-- link to this target -->
<!ENTITY % LinkTarget.datatype "NMTOKEN" >
```

```
<!-- Qualified Names (Default) ..... -->
```

```
<!ENTITY % SVG.a.qname "a" >
```

```
<!-- Attribute Collections (Default) ..... -->
```

```
<!ENTITY % SVG.Core.attrib "" >
<!ENTITY % SVG.Conditional.attrib "" >
<!ENTITY % SVG.Style.attrib "" >
```

```

<!ENTITY % SVG.Viewport.attrib "" >
<!ENTITY % SVG.Text.attrib "" >
<!ENTITY % SVG.TextContent.attrib "" >
<!ENTITY % SVG.Font.attrib "" >
<!ENTITY % SVG.Paint.attrib "" >
<!ENTITY % SVG.Color.attrib "" >
<!ENTITY % SVG.Opacity.attrib "" >
<!ENTITY % SVG.Graphics.attrib "" >
<!ENTITY % SVG.Marker.attrib "" >
<!ENTITY % SVG.Gradient.attrib "" >
<!ENTITY % SVG.Clip.attrib "" >
<!ENTITY % SVG.Mask.attrib "" >
<!ENTITY % SVG.Filter.attrib "" >
<!ENTITY % SVG.FilterColor.attrib "" >
<!ENTITY % SVG.GraphicalEvents.attrib "" >
<!ENTITY % SVG.Cursor.attrib "" >
<!ENTITY % SVG.XLinkReplace.attrib "" >
<!ENTITY % SVG.External.attrib "" >

<!-- SVG.Hyperlink.class ..... -->

<!ENTITY % SVG.Hyperlink.extra.class "" >

<!ENTITY % SVG.Hyperlink.class
  "| %SVG.a.qname; %SVG.Hyperlink.extra.class;"
>

<!-- SVG.Presentation.attrib ..... -->

<!ENTITY % SVG.Presentation.extra.attrib "" >

<!ENTITY % SVG.Presentation.attrib
  "%SVG.Container.attrib;
  %SVG.Viewport.attrib;
  %SVG.Text.attrib;
  %SVG.TextContent.attrib;
  %SVG.Font.attrib;
  %SVG.Paint.attrib;
  %SVG.Color.attrib;
  %SVG.Opacity.attrib;
  %SVG.Graphics.attrib;
  %SVG.Marker.attrib;
  %SVG.ColorProfile.attrib;
  %SVG.Gradient.attrib;
  %SVG.Clip.attrib;
  %SVG.Mask.attrib;
  %SVG.Filter.attrib;
  %SVG.FilterColor.attrib;

```

```

    %SVG.Cursor.attrib;
    flood-color %SVGColor.datatype; #IMPLIED
    flood-opacity %OpacityValue.datatype; #IMPLIED
    lighting-color %SVGColor.datatype; #IMPLIED
    %SVG.Presentation.extra.attrib;"
>

<!-- a: Anchor Element ..... -->

<!ENTITY % SVG.a.extra.content "" >

<!ENTITY % SVG.a.element "INCLUDE" >
<![%SVG.a.element;[
<!ENTITY % SVG.a.content
    "( #PCDATA | %SVG.Description.class; | %SVG.Animation.class;
    %SVG.Structure.class; %SVG.Conditional.class; %SVG.Image.class;
    %SVG.Style.class; %SVG.Shape.class; %SVG.Text.class; %SVG.Marker.class;
    %SVG.ColorProfile.class; %SVG.Gradient.class; %SVG.Pattern.class;
    %SVG.Clip.class; %SVG.Mask.class; %SVG.Filter.class; %SVG.Cursor.class;
    %SVG.Hyperlink.class; %SVG.View.class; %SVG.Script.class;
    %SVG.Font.class; %SVG.a.extra.content; )*"
>
<!ELEMENT %SVG.a.qname; %SVG.a.content; >
<!-- end of SVG.a.element -->]]>

<!ENTITY % SVG.a.attlist "INCLUDE" >
<![%SVG.a.attlist;[
<!ATTLIST %SVG.a.qname;
    %SVG.Core.attrib;
    %SVG.Conditional.attrib;
    %SVG.Style.attrib;
    %SVG.Presentation.attrib;
    %SVG.GraphicalEvents.attrib;
    %SVG.XLinkReplace.attrib;
    %SVG.External.attrib;
    transform %TransformList.datatype; #IMPLIED
    target %LinkTarget.datatype; #IMPLIED
>
<!-- end of SVG.a.attlist -->]]>

<!-- end of svg-hyperlink.mod -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-hyperlink.mod

```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->

```

<!-- XHTML Target Module -->

<!-- file: xhtml-target-1.mod

This is XHTML, a reformulation of HTML as a modular XML application.

Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.

Revision: \$Id: xhtml-target-1.mod,v 4.0 2001/04/02 22:42:49 althem Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ELEMENTS XHTML Target 1.0//EN"

SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-target-1.mod"

Revisions:

(none)

..... -->

<!-- Target

target

This module declares the 'target' attribute used for opening windows

-->

<!-- render in this frame -->

<!ENTITY % FrameTarget.datatype "CDATA" >

<!-- add 'target' attribute to 'a' element -->

<!ATTLIST %a.qname;

target %FrameTarget.datatype; #IMPLIED

>

<!-- add 'target' attribute to 'area' element -->

<!ATTLIST %area.qname;

target %FrameTarget.datatype; #IMPLIED

>

<!-- add 'target' attribute to 'link' element -->

<!ATTLIST %link.qname;

target %FrameTarget.datatype; #IMPLIED

>

<!-- add 'target' attribute to 'form' element -->

<!ATTLIST %form.qname;

target %FrameTarget.datatype; #IMPLIED

>

<!-- add 'target' attribute to 'base' element -->

<!ATTLIST %base.qname;

target %FrameTarget.datatype; #IMPLIED

>

<!-- end of xhtml-target-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/xhtml11/xhtml-target-1.mod

No license file was found, but licenses were detected in source scan.

<!-- -->

<!-- XHTML Images Module -->

<!-- file: xhtml-image-1.mod

This is XHTML, a reformulation of HTML as a modular XML application.

Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.

Revision: \$Id: xhtml-image-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ELEMENTS XHTML Images 1.0//EN"

SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-image-1.mod"

Revisions:

(none)

..... -->

<!-- Images

img

This module provides markup to support basic image embedding.

-->

<!-- To avoid problems with text-only UAs as well as to make

image content understandable and navigable to users of

non-visual UAs, you need to provide a description with

the 'alt' attribute, and avoid server-side image maps.

-->

<!ENTITY % img.element "INCLUDE" >

<![%img.element;[

<!ENTITY % img.content "EMPTY" >

<!ENTITY % img.qname "img" >

<!ELEMENT %img.qname; %img.content; >

<!-- end of img.element -->]]>

<!ENTITY % img.attlist "INCLUDE" >


```
<![%img.attlist;[
<!ATTLIST %img.qname;
  %Common.attrib;
  src      %URI.datatype;      #REQUIRED
  alt      %Text.datatype;      #REQUIRED
  longdesc %URI.datatype;      #IMPLIED
  height   %Length.datatype;    #IMPLIED
  width    %Length.datatype;    #IMPLIED
>
<!-- end of img.attlist -->]]>
```

```
<!-- end of xhtml-image-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-image-1.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Datatypes Module ..... -->
<!-- file: xhtml-datatypes-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
Revision: \$Id: xhtml-datatypes-1.mod,v 4.1 2001/04/06 19:23:32 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES XHTML Datatypes 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-datatypes-1.mod"
```

Revisions:

(none)

```
..... -->
```

```
<!-- Datatypes
```

defines containers for the following datatypes, many of
these imported from other specifications and standards.

```
-->
```

```
<!-- Length defined for cellpadding/cellspacing -->
```

```
<!-- nn for pixels or nn% for percentage length -->
```

```
<!ENTITY % Length.datatype "CDATA" >
```

```
<!-- space-separated list of link types -->
```

```
<!ENTITY % LinkTypes.datatype "NMTOKENS" >
```

```

<!-- single or comma-separated list of media descriptors -->
<!ENTITY % MediaDesc.datatype "CDATA" >

<!-- pixel, percentage, or relative -->
<!ENTITY % MultiLength.datatype "CDATA" >

<!-- one or more digits (NUMBER) -->
<!ENTITY % Number.datatype "CDATA" >

<!-- integer representing length in pixels -->
<!ENTITY % Pixels.datatype "CDATA" >

<!-- script expression -->
<!ENTITY % Script.datatype "CDATA" >

<!-- textual content -->
<!ENTITY % Text.datatype "CDATA" >

<!-- Placeholder Compact URI-related types -->
<!ENTITY % CURIE.datatype "CDATA" >
<!ENTITY % CURIEs.datatype "CDATA" >
<!ENTITY % SafeCURIE.datatype "CDATA" >
<!ENTITY % SafeCURIEs.datatype "CDATA" >
<!ENTITY % URIorSafeCURIE.datatype "CDATA" >
<!ENTITY % URIorSafeCURIEs.datatype "CDATA" >

<!-- Imported Datatypes ..... -->

<!-- a single character from [ISO10646] -->
<!ENTITY % Character.datatype "CDATA" >

<!-- a character encoding, as per [RFC2045] -->
<!ENTITY % Charset.datatype "CDATA" >

<!-- a space separated list of character encodings, as per [RFC2045] -->
<!ENTITY % Charsets.datatype "CDATA" >

<!-- Color specification using color name or sRGB (#RRGGBB) values -->
<!ENTITY % Color.datatype "CDATA" >

<!-- media type, as per [RFC2045] -->
<!ENTITY % ContentType.datatype "CDATA" >

<!-- comma-separated list of media types, as per [RFC2045] -->
<!ENTITY % ContentTypes.datatype "CDATA" >

<!-- date and time information. ISO date format -->

```

```

<!ENTITY % Datetime.datatype "CDATA" >

<!-- formal public identifier, as per [ISO8879] -->
<!ENTITY % FPI.datatype "CDATA" >

<!-- a language code, as per [RFC3066] or its successor -->
<!ENTITY % LanguageCode.datatype "CDATA" >

<!-- a comma separated list of language code ranges -->
<!ENTITY % LanguageCodes.datatype "CDATA" >

<!-- a qualified name , as per [XMLNS] or its successor -->
<!ENTITY % QName.datatype "CDATA" >
<!ENTITY % QNames.datatype "CDATA" >

<!-- a Uniform Resource Identifier, see [URI] -->
<!ENTITY % URI.datatype "CDATA" >

<!-- a space-separated list of Uniform Resource Identifiers, see [URI] -->
<!ENTITY % URIs.datatype "CDATA" >

<!-- end of xhtml-datatypes-1.mod -->

```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-datatypes-1.mod
```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- SVG Template Qualified Name Module ..... -->
<!-- file: svg-template-qname.mod

```

This is SVG, a language for describing two-dimensional graphics in XML.
 Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
 Revision: \$Id: svg-template-qname.mod,v 1.1 2002/04/20 18:08:11 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```

PUBLIC "-//W3C//ENTITIES SVG Template Qualified Name//EN"
SYSTEM "svg-template-qname.mod"

```

```
..... -->
```

```
<!-- Template Qualified Name
```

This module is contained in two parts, labeled Section 'A' and 'B':

Section A declares parameter entities to support namespace-

qualified names, namespace declarations, and name prefixing for SVG and extensions.

Section B declares parameter entities used to provide namespace-qualified names for all SVG element types:

-->

<!-- Section A: Template XML Namespace Framework :::::::::::::::::::: -->

<!-- 1. Declare a %MODULE.prefixed; conditional section keyword, used to activate namespace prefixing. The default value should inherit 'NS.prefixed;' from the DTD driver, so that unless overridden, the default behaviour follows the overall DTD prefixing scheme.

-->

```
<!ENTITY % NS.prefixed "IGNORE" >
<!ENTITY % MODULE.prefixed "%NS.prefixed;" >
```

<!-- 2. Declare a parameter entity (eg., %MODULE.xmlns;) containing the URI reference used to identify the Template namespace:

-->

```
<!ENTITY % MODULE.xmlns "http://template-namespace-uri" >
```

<!-- 3. Declare parameter entities (eg., %MODULE.prefix;) containing the default namespace prefix string(s) to use when prefixing is enabled. This may be overridden in the DTD driver or the internal subset of an document instance. If no default prefix is desired, this may be declared as an empty string.

-->

```
<!ENTITY % MODULE.prefix "" >
```

<!-- 4. Declare parameter entities (eg., %MODULE.pfx;) containing the colonized prefix(es) (eg., %MODULE.prefix;:) used when prefixing is active, an empty string when it is not.

-->

```
<![%MODULE.prefixed;[
<!ENTITY % MODULE.pfx "%MODULE.prefix;:" >
]]>
<!ENTITY % MODULE.pfx "" >
```

<!-- 5. The parameter entity %MODULE.xmlns.extra.attrib; may be redeclared to contain any non-Template namespace declaration attributes for namespaces embedded in SVG. The default is an empty string.

-->

```
<![%MODULE.prefixed;[
<!ENTITY % MODULE.xmlns.extra.attrib
  "xmlns:%MODULE.prefix; %URI.datatype; #FIXED '%MODULE.xmlns;'" >
```

```

]]>
<!ENTITY % MODULE.xmlns.extra.attrib "" >

<!ENTITY % SVG.xmlns.extra.attrib
"%MODULE.xmlns.extra.attrib;"
>

<!-- Section B: SVG Qualified Names :::::::::::::::::::: -->

<!-- 6. This section declares parameter entities used to provide
namespace-qualified names for all Template element types.
-->

<!-- module: svg-template.mod ..... -->

<!ENTITY % MODULE.element.qname "%MODULE.pfx;element" >

<!-- end of svg-template-qname.mod -->

```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/templates/svg-template.mod
```

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/templates/svg-template-qname.mod
```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- SVG 1.1 Modular Framework Module ..... -->
<!-- file: svg-framework.mod

```

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-framework.mod,v 1.2 2002/04/20 18:07:43 fujiwara Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```

PUBLIC "-//W3C//ENTITIES SVG 1.1 Modular Framework//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-framework.mod"

```

```
..... -->
```

```
<!-- Modular Framework
```

This module instantiates the modules needed to support the SVG modularization model, including:

- + Datatypes
- + Qualified Name

+ Document Model
+ Attribute Collection

-->

```
<!ENTITY % svg-datatypes.module "INCLUDE" >  
<![%svg-datatypes.module;[  
<!ENTITY % svg-datatypes.mod  
  PUBLIC "-//W3C//ENTITIES SVG 1.1 Datatypes//EN"  
    "svg-datatypes.mod" >  
%svg-datatypes.mod;]]>
```

```
<!ENTITY % svg-qname.module "INCLUDE" >  
<![%svg-qname.module;[  
<!ENTITY % svg-qname.mod  
  PUBLIC "-//W3C//ENTITIES SVG 1.1 Qualified Name//EN"  
    "svg-qname.mod" >  
%svg-qname.mod;]]>
```

```
<!ENTITY % svg-model.module "INCLUDE" >  
<![%svg-model.module;[  
<!-- instantiate the Document Model declared in the DTD driver -->  
%svg-model.mod;]]>
```

```
<!ENTITY % svg-attrs.module "INCLUDE" >  
<![%svg-attrs.module;[  
<!-- instantiate the Attribute Collection declared in the DTD driver -->  
%svg-attrs.mod;]]>
```

```
<!-- end of svg-framework.mod -->
```

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/svg11/svg-framework.mod

No license file was found, but licenses were detected in source scan.

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Recherche en Informatique et en Automatique, Keio University).
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representation about the suitability of the DTD for any purpose.

It is provided "as is" without expressed or implied warranty.

Author: Murray M. Altheim <altheim@eng.sun.com>
Revision: \$Id: xhtml11.dtd,v 1.21 2001/05/29 16:37:01 ahby Exp \$

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/xhtml11/xhtml11.dtd
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/rddl/xhtml11.dtd

No license file was found, but licenses were detected in source scan.

<!-- -->
<!-- RDDDL 1.0 Document Model Module -->
<!-- file: xhtml-rddl-model-1.mod

Derived from:

-->
<!--

This is XHTML Basic, a proper subset of XHTML.
Copyright 1998-2000 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: xhtml-rddl-model-1.mod,v 1.1 2001/02/13 12:24:22 ht Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//XML-DEV//ENTITIES RDDDL Document Model 1.0//EN"
SYSTEM "http://www.rddl.org/xhtml1-rddl-model-1.mod"

Revisions:

(none)
..... -->

<!-- RDDDL Document Model

This module describes the groupings of elements that make up
common content models for XHTML elements.

-->

<!-- Optional Elements in head -->

<!ENTITY % HeadOpts.mix
"(%meta.qname; | %link.qname; | %object.qname;)*" >

<!-- Miscellaneous Elements -->

<!ENTITY % Misc.class "" >

<!-- Inline Elements -->

```

<!ENTITY % InlStruct.class "%br.qname; | %span.qname;" >

<!ENTITY % InlPhras.class
  "| %em.qname; | %strong.qname; | %dfn.qname; | %code.qname;
  | %samp.qname; | %kbd.qname; | %var.qname; | %cite.qname;
  | %abbr.qname; | %acronym.qname; | %q.qname;" >

<!ENTITY % InlPres.class "" >

<!ENTITY % I18n.class "" >

<!ENTITY % Anchor.class "| %a.qname;" >

<!ENTITY % InlSpecial.class "| %img.qname; | %object.qname;" >

<!ENTITY % InlForm.class
  "| %input.qname; | %select.qname; | %textarea.qname;
  | %label.qname;"
>

<!ENTITY % Inline.extra "" >

<!ENTITY % Inline.class
  "%InlStruct.class;
  %InlPhras.class;
  %Anchor.class;
  %InlSpecial.class;
  %InlForm.class;
  %Inline.extra;"
>

<!ENTITY % InlNoAnchor.class
  "%InlStruct.class;
  %InlPhras.class;
  %InlSpecial.class;
  %InlForm.class;
  %Inline.extra;"
>

<!ENTITY % InlNoAnchor.mix
  "%InlNoAnchor.class;
  %Misc.class;"
>

<!ENTITY % Inline.mix
  "%Inline.class;
  %Misc.class;"
>

```



```

<!-- Block Elements ..... -->

<!ENTITY % Heading.class
  "%h1.qname; | %h2.qname; | %h3.qname;
  | %h4.qname; | %h5.qname; | %h6.qname;"
>
<!ENTITY % List.class "%ul.qname; | %ol.qname; | %dl.qname;" >

<!ENTITY % Table.class "| %table.qname;" >

<!ENTITY % Form.class "| %form.qname;" >

<!ENTITY % BlkStruct.class "%p.qname; | %div.qname; | %RDDL.resource.qname;" >

<!ENTITY % BlkPhras.class
  "| %pre.qname; | %blockquote.qname; | %address.qname;"
>

<!ENTITY % BlkPres.class "" >

<!ENTITY % BlkSpecial.class
  "%Table.class;
  %Form.class;"
>

<!ENTITY % Block.extra "" >

<!ENTITY % Block.class
  "%BlkStruct.class;
  %BlkPhras.class;
  %BlkSpecial.class;
  %Block.extra;"
>

<!ENTITY % Block.mix
  "%Heading.class;
  | %List.class;
  | %Block.class;
  %Misc.class;"
>

<!-- All Content Elements ..... -->

<!-- declares all content except tables
-->
<!ENTITY % FlowNoTable.mix
  "%Heading.class;

```

```
| %List.class;
| %BlkStruct.class;
%BlkPhras.class;
%Form.class;
%Block.extra;
| %Inline.class;
%Misc.class;"
>
```

```
<!ENTITY % Flow.mix
"%Heading.class;
| %List.class;
| %Block.class;
| %Inline.class;
%Misc.class;"
>
```

```
<!-- end of xhtml-basic10-model-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/rddl/xhtml-rddl-model-1.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Text Module ..... -->
<!-- file: xhtml-text-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
Revision: \$Id: xhtml-text-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Text 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-text-1.mod"
```

```
Revisions:
(none)
..... -->
```

```
<!-- Textual Content
```

The Text module includes declarations for all core
text container elements and their attributes.

```
-->
```

```
<!ENTITY % xhtml-inlstruct.module "INCLUDE" >
```

```
<![%xhtml-inlstruct.module;[
<!ENTITY % xhtml-inlstruct.mod
  PUBLIC "-//W3C//ELEMENTS XHTML Inline Structural 1.0//EN"
    "xhtml-inlstruct-1.mod" >
%xhtml-inlstruct.mod;]]>
```

```
<!ENTITY % xhtml-inlphras.module "INCLUDE" >
<![%xhtml-inlphras.module;[
<!ENTITY % xhtml-inlphras.mod
  PUBLIC "-//W3C//ELEMENTS XHTML Inline Phrasal 1.0//EN"
    "xhtml-inlphras-1.mod" >
%xhtml-inlphras.mod;]]>
```

```
<!ENTITY % xhtml-blkstruct.module "INCLUDE" >
<![%xhtml-blkstruct.module;[
<!ENTITY % xhtml-blkstruct.mod
  PUBLIC "-//W3C//ELEMENTS XHTML Block Structural 1.0//EN"
    "xhtml-blkstruct-1.mod" >
%xhtml-blkstruct.mod;]]>
```

```
<!ENTITY % xhtml-blkphras.module "INCLUDE" >
<![%xhtml-blkphras.module;[
<!ENTITY % xhtml-blkphras.mod
  PUBLIC "-//W3C//ELEMENTS XHTML Block Phrasal 1.0//EN"
    "xhtml-blkphras-1.mod" >
%xhtml-blkphras.mod;]]>
```

```
<!-- end of xhtml-text-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-text-1.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- SVG 1.1 External Resources Attribute Module ..... -->
<!-- file: svg-extresources-attrib.mod
```

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-extresources-attrib.mod,v 1.2 2002/04/20 18:07:42 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES SVG 1.1 External Resources Attribute//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-extresources-attrib.mod"
```

```
..... -->
```

<!-- External Resources Attribute

externalResourcesRequired

This module defines the External attribute set.

-->

```
<!ENTITY % SVG.externalResourcesRequired.attrib
"externalResourcesRequired % Boolean.datatype; #IMPLIED"
>
```

```
<!ENTITY % SVG.External.extra.attrib "" >
```

```
<!ENTITY % SVG.External.attrib
"%SVG.externalResourcesRequired.attrib;
%SVG.External.extra.attrib;"
>
```

<!-- end of svg-extresources-attrib.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/svg11/svg-extresources-attrib.mod

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Presentation Module ..... -->
<!-- file: xhtml-pres-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.

Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.

Revision: \$Id: xhtml-pres-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Presentation 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-pres-1.mod"
```

Revisions:

(none)

```
..... -->
```

<!-- Presentational Elements

This module defines elements and their attributes for simple presentation-related markup.

-->

```
<!ENTITY % xhtml-inlpres.module "INCLUDE" >
<![% xhtml-inlpres.module;[
<!ENTITY % xhtml-inlpres.mod
  PUBLIC "-//W3C//ELEMENTS XHTML Inline Presentation 1.0//EN"
    "xhtml-inlpres-1.mod" >
% xhtml-inlpres.mod;]]>
```

```
<!ENTITY % xhtml-blkpres.module "INCLUDE" >
<![% xhtml-blkpres.module;[
<!ENTITY % xhtml-blkpres.mod
  PUBLIC "-//W3C//ELEMENTS XHTML Block Presentation 1.0//EN"
    "xhtml-blkpres-1.mod" >
% xhtml-blkpres.mod;]]>
```

```
<!-- end of xhtml-pres-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-pres-1.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- SVG 1.1 Paint Opacity Attribute Module ..... -->
<!-- file: svg-opacity-attrib.mod
```

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-opacity-attrib.mod,v 1.2 2002/04/20 18:07:43 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES SVG 1.1 Paint Opacity Attribute//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-opacity-attrib.mod"
```

```
..... -->
```

```
<!-- Paint Opacity Attribute
```

```
  opacity, fill-opacity, stroke-opacity
```

This module defines the Opacity attribute set.

```
-->
```

```
<!ENTITY % SVG.opacity.attrib
  "opacity %OpacityValue.datatype; #IMPLIED"
>
```

```
<!ENTITY % SVG.fill-opacity.attrib
"fill-opacity %OpacityValue.datatype; #IMPLIED"
>
```

```
<!ENTITY % SVG.stroke-opacity.attrib
"stroke-opacity %OpacityValue.datatype; #IMPLIED"
>
```

```
<!ENTITY % SVG.Opacity.extra.attrib "" >
```

```
<!ENTITY % SVG.Opacity.attrib
"%SVG.opacity.attrib;
%SVG.fill-opacity.attrib;
%SVG.stroke-opacity.attrib;
%SVG.Opacity.extra.attrib;"
>
```

```
<!-- end of svg-opacity-attrib.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-opacity-attrib.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- SVG 1.1 Basic Structure Module ..... -->
<!-- file: svg-basic-structure.mod
```

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-basic-structure.mod,v 1.6 2002/11/14 15:11:02 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS SVG 1.1 Basic Structure//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-basic-structure.mod"
```

```
..... -->
```

```
<!-- Basic Structure
```

```
svg, g, defs, desc, title, metadata, use
```

This module declares the major structural elements and their attributes.

```
-->
```

```
<!-- Qualified Names (Default) ..... -->
```

```

<!ENTITY % SVG.svg.qname "svg" >
<!ENTITY % SVG.g.qname "g" >
<!ENTITY % SVG.defs.qname "defs" >
<!ENTITY % SVG.desc.qname "desc" >
<!ENTITY % SVG.title.qname "title" >
<!ENTITY % SVG.metadata.qname "metadata" >
<!ENTITY % SVG.use.qname "use" >

<!-- Attribute Collections (Default) ..... -->

<!ENTITY % SVG.Core.attrib "" >
<!ENTITY % SVG.Container.attrib "" >
<!ENTITY % SVG.Conditional.attrib "" >
<!ENTITY % SVG.Style.attrib "" >
<!ENTITY % SVG.Viewport.attrib "" >
<!ENTITY % SVG.Text.attrib "" >
<!ENTITY % SVG.TextContent.attrib "" >
<!ENTITY % SVG.Font.attrib "" >
<!ENTITY % SVG.Paint.attrib "" >
<!ENTITY % SVG.Color.attrib "" >
<!ENTITY % SVG.Opacity.attrib "" >
<!ENTITY % SVG.Graphics.attrib "" >
<!ENTITY % SVG.Marker.attrib "" >
<!ENTITY % SVG.ColorProfile.attrib "" >
<!ENTITY % SVG.Gradient.attrib "" >
<!ENTITY % SVG.Clip.attrib "" >
<!ENTITY % SVG.Mask.attrib "" >
<!ENTITY % SVG.Filter.attrib "" >
<!ENTITY % SVG.FilterColor.attrib "" >
<!ENTITY % SVG.DocumentEvents.attrib "" >
<!ENTITY % SVG.GraphicalEvents.attrib "" >
<!ENTITY % SVG.Cursor.attrib "" >
<!ENTITY % SVG.XLinkEmbed.attrib "" >
<!ENTITY % SVG.External.attrib "" >

<!-- SVG.Description.class ..... -->

<!ENTITY % SVG.Description.extra.class "" >

<!ENTITY % SVG.Description.class
"%SVG.desc.qname; | %SVG.title.qname; | %SVG.metadata.qname;
%SVG.Description.extra.class;"
>

<!-- SVG.Use.class ..... -->

<!ENTITY % SVG.Use.extra.class "" >

```

```

<!ENTITY % SVG.Use.class
  "| %SVG.use.qname; %SVG.Use.extra.class;"
>

<!-- SVG.Structure.class ..... -->

<!ENTITY % SVG.Structure.extra.class "" >

<!ENTITY % SVG.Structure.class
  "| %SVG.g.qname; | %SVG.defs.qname; %SVG.Use.class;
  %SVG.Structure.extra.class;"
>

<!-- SVG.Presentation.attrib ..... -->

<!ENTITY % SVG.Presentation.extra.attrib "" >

<!ENTITY % SVG.Presentation.attrib
  "%SVG.Container.attrib;
  %SVG.Viewport.attrib;
  %SVG.Text.attrib;
  %SVG.TextContent.attrib;
  %SVG.Font.attrib;
  %SVG.Paint.attrib;
  %SVG.Color.attrib;
  %SVG.Opacity.attrib;
  %SVG.Graphics.attrib;
  %SVG.Marker.attrib;
  %SVG.ColorProfile.attrib;
  %SVG.Gradient.attrib;
  %SVG.Clip.attrib;
  %SVG.Mask.attrib;
  %SVG.Filter.attrib;
  %SVG.FilterColor.attrib;
  %SVG.Cursor.attrib;
  flood-color %SVGColor.datatype; #IMPLIED
  flood-opacity %OpacityValue.datatype; #IMPLIED
  lighting-color %SVGColor.datatype; #IMPLIED
  %SVG.Presentation.extra.attrib;"
>

<!-- svg: SVG Document Element ..... -->

<!ENTITY % SVG.svg.extra.content "" >

<!ENTITY % SVG.svg.element "INCLUDE" >
<![%SVG.svg.element;[
<!ENTITY % SVG.svg.content

```



```
"( %SVG.Description.class; | %SVG.Animation.class; %SVG.Structure.class;
  %SVG.Conditional.class; %SVG.Image.class; %SVG.Style.class;
  %SVG.Shape.class; %SVG.Text.class; %SVG.Marker.class;
  %SVG.ColorProfile.class; %SVG.Gradient.class; %SVG.Pattern.class;
  %SVG.Clip.class; %SVG.Mask.class; %SVG.Filter.class; %SVG.Cursor.class;
  %SVG.Hyperlink.class; %SVG.View.class; %SVG.Script.class;
  %SVG.Font.class; %SVG.svg.extra.content; )*"
>
<!ELEMENT %SVG.svg.qname; %SVG.svg.content; >
<!-- end of SVG.svg.element -->]]>
```

```
<!ENTITY % SVG.svg.attlist "INCLUDE" >
<![%SVG.svg.attlist;[
<!ATTLIST %SVG.svg.qname;
  %SVG.xmlns.attrib;
  %SVG.Core.attrib;
  %SVG.Conditional.attrib;
  %SVG.Style.attrib;
  %SVG.Presentation.attrib;
  %SVG.DocumentEvents.attrib;
  %SVG.GraphicalEvents.attrib;
  %SVG.External.attrib;
  x %Coordinate.datatype; #IMPLIED
  y %Coordinate.datatype; #IMPLIED
  width %Length.datatype; #IMPLIED
  height %Length.datatype; #IMPLIED
  viewBox %ViewBoxSpec.datatype; #IMPLIED
  preserveAspectRatio %PreserveAspectRatioSpec.datatype; 'xMidYMid meet'
  zoomAndPan ( disable | magnify ) 'magnify'
  version %Number.datatype; #FIXED '1.1'
  baseProfile %Text.datatype; #IMPLIED
>
<!-- end of SVG.svg.attlist -->]]>
```

```
<!-- g: Group Element ..... -->
```

```
<!ENTITY % SVG.g.extra.content "" >
```

```
<!ENTITY % SVG.g.element "INCLUDE" >
<![%SVG.g.element;[
<!ENTITY % SVG.g.content
"( %SVG.Description.class; | %SVG.Animation.class; %SVG.Structure.class;
  %SVG.Conditional.class; %SVG.Image.class; %SVG.Style.class;
  %SVG.Shape.class; %SVG.Text.class; %SVG.Marker.class;
  %SVG.ColorProfile.class; %SVG.Gradient.class; %SVG.Pattern.class;
  %SVG.Clip.class; %SVG.Mask.class; %SVG.Filter.class; %SVG.Cursor.class;
  %SVG.Hyperlink.class; %SVG.View.class; %SVG.Script.class;
  %SVG.Font.class; %SVG.g.extra.content; )*"
>
```

```

>
<!ELEMENT %SVG.g.qname; %SVG.g.content; >
<!-- end of SVG.g.element -->]]>

<!ENTITY % SVG.g.attlist "INCLUDE" >
<![%SVG.g.attlist;[
<!ATTLIST %SVG.g.qname;
  %SVG.Core.attrib;
  %SVG.Conditional.attrib;
  %SVG.Style.attrib;
  %SVG.Presentation.attrib;
  %SVG.GraphicalEvents.attrib;
  %SVG.External.attrib;
  transform %TransformList.datatype; #IMPLIED
>
<!-- end of SVG.g.attlist -->]]>

<!-- defs: Definitions Element ..... -->

<!ENTITY % SVG.defs.extra.content "" >

<!ENTITY % SVG.defs.element "INCLUDE" >
<![%SVG.defs.element;[
<!ENTITY % SVG.defs.content
  "( %SVG.Description.class; | %SVG.Animation.class; %SVG.Structure.class;
  %SVG.Conditional.class; %SVG.Image.class; %SVG.Style.class;
  %SVG.Shape.class; %SVG.Text.class; %SVG.Marker.class;
  %SVG.ColorProfile.class; %SVG.Gradient.class; %SVG.Pattern.class;
  %SVG.Clip.class; %SVG.Mask.class; %SVG.Filter.class; %SVG.Cursor.class;
  %SVG.Hyperlink.class; %SVG.View.class; %SVG.Script.class;
  %SVG.Font.class; %SVG.defs.extra.content; )*"
>
<!ELEMENT %SVG.defs.qname; %SVG.defs.content; >
<!-- end of SVG.defs.element -->]]>

<!ENTITY % SVG.defs.attlist "INCLUDE" >
<![%SVG.defs.attlist;[
<!ATTLIST %SVG.defs.qname;
  %SVG.Core.attrib;
  %SVG.Conditional.attrib;
  %SVG.Style.attrib;
  %SVG.Presentation.attrib;
  %SVG.GraphicalEvents.attrib;
  %SVG.External.attrib;
  transform %TransformList.datatype; #IMPLIED
>
<!-- end of SVG.defs.attlist -->]]>

```

```

<!-- desc: Description Element ..... -->

<!ENTITY % SVG.desc.extra.content "" >

<!ENTITY % SVG.desc.element "INCLUDE" >
<![%SVG.desc.element;[
<!ENTITY % SVG.desc.content
    "( #PCDATA %SVG.desc.extra.content; )*"
>
<!ELEMENT %SVG.desc.qname; %SVG.desc.content; >
<!-- end of SVG.desc.element -->]]>

<!ENTITY % SVG.desc.attlist "INCLUDE" >
<![%SVG.desc.attlist;[
<!ATTLIST %SVG.desc.qname;
    %SVG.Core.attrib;
    %SVG.Style.attrib;
>
<!-- end of SVG.desc.attlist -->]]>

<!-- title: Title Element ..... -->

<!ENTITY % SVG.title.extra.content "" >

<!ENTITY % SVG.title.element "INCLUDE" >
<![%SVG.title.element;[
<!ENTITY % SVG.title.content
    "( #PCDATA %SVG.title.extra.content; )*"
>
<!ELEMENT %SVG.title.qname; %SVG.title.content; >
<!-- end of SVG.title.element -->]]>

<!ENTITY % SVG.title.attlist "INCLUDE" >
<![%SVG.title.attlist;[
<!ATTLIST %SVG.title.qname;
    %SVG.Core.attrib;
    %SVG.Style.attrib;
>
<!-- end of SVG.title.attlist -->]]>

<!-- metadata: Metadata Element ..... -->

<!ENTITY % SVG.metadata.extra.content "" >

<!ENTITY % SVG.metadata.element "INCLUDE" >
<![%SVG.metadata.element;[
<!ENTITY % SVG.metadata.content
    "( #PCDATA %SVG.metadata.extra.content; )*"

```

```

>
<!ELEMENT %SVG.metadata.qname; %SVG.metadata.content; >
<!-- end of SVG.metadata.element -->]]>

<!ENTITY % SVG.metadata.attlist "INCLUDE" >
<![%SVG.metadata.attlist;[
<!ATTLIST %SVG.metadata.qname;
    %SVG.Core.attrib;
>
<!-- end of SVG.metadata.attlist -->]]>

<!-- use: Use Element ..... -->

<!ENTITY % SVG.use.extra.content "" >

<!ENTITY % SVG.use.element "INCLUDE" >
<![%SVG.use.element;[
<!ENTITY % SVG.use.content
    "( (%SVG.Description.class; )*, ( %SVG.Animation.class;
        %SVG.use.extra.content; )*)"
>
<!ELEMENT %SVG.use.qname; %SVG.use.content; >
<!-- end of SVG.use.element -->]]>

<!ENTITY % SVG.use.attlist "INCLUDE" >
<![%SVG.use.attlist;[
<!ATTLIST %SVG.use.qname;
    %SVG.Core.attrib;
    %SVG.Conditional.attrib;
    %SVG.Style.attrib;
    %SVG.Presentation.attrib;
    %SVG.GraphicalEvents.attrib;
    %SVG.XLinkEmbed.attrib;
    %SVG.External.attrib;
    x %Coordinate.datatype; #IMPLIED
    y %Coordinate.datatype; #IMPLIED
    width %Length.datatype; #IMPLIED
    height %Length.datatype; #IMPLIED
    transform %TransformList.datatype; #IMPLIED
>
<!-- end of SVG.use.attlist -->]]>

<!-- end of svg-basic-structure.mod -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-basic-structure.mod

```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML-Print 1.0 Document Model Module ..... -->
<!-- file: xhtml-print10-model-1.mod

This is XHTML-Print 1.0, a variant of XHTML Basic for printing.
Copyright 1998-2003 W3C (MIT, ERCIM, Keio), All Rights Reserved.
Revision: $Id: xhtml-print10-model-1.mod,v 1.7 2003/10/24 22:14:40 fujisawa Exp $

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ENTITIES XHTML-Print 1.0 Document Model 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-print10-model-1.mod"
..... -->

<!-- XHTML-Print 1.0 Document Model

This module describes the groupings of elements that make up
common content models for XHTML-Print elements.
-->

<!-- Optional Elements in head ..... -->

<!ENTITY % HeadOpts.mix
"( %script.qname; | %style.qname; | %meta.qname; | %link.qname;
| %object.qname; )" * >

<!-- Miscellaneous Elements ..... -->

<!ENTITY % Script.class "| %script.qname; | %noscript.qname;" >

<!ENTITY % Misc.extra "" >

<!ENTITY % Misc.class
"%Script.class;
%Misc.extra;"
>

<!-- Inline Elements ..... -->

<!ENTITY % InlStruct.class "%br.qname; | %span.qname;" >

<!ENTITY % InlPhras.class
"| %em.qname; | %strong.qname; | %dfn.qname; | %code.qname;
| %samp.qname; | %kbd.qname; | %var.qname; | %cite.qname;
| %abbr.qname; | %acronym.qname; | %q.qname;" >
```

```

<!ENTITY % InlPres.class
  "| %tt.qname; | %i.qname; | %b.qname; | %big.qname;
  | %small.qname; | %sub.qname; | %sup.qname; " >

<!ENTITY % I18n.class "" >

<!ENTITY % Anchor.class "| %a.qname;" >

<!ENTITY % InlSpecial.class "| %img.qname; | %object.qname;" >

<!ENTITY % InlForm.class
  "| %input.qname; | %select.qname; | %textarea.qname;
  | %label.qname;"
>

<!ENTITY % Inline.extra "" >

<!ENTITY % Inline.class
  "%InlStruct.class;
  %InlPhras.class;
  %InlPres.class;
  %Anchor.class;
  %InlSpecial.class;
  %InlForm.class;
  %Inline.extra;"
>

<!ENTITY % InlNoAnchor.class
  "%InlStruct.class;
  %InlPhras.class;
  %InlPres.class;
  %InlSpecial.class;
  %InlForm.class;
  %Inline.extra;"
>

<!ENTITY % InlNoAnchor.mix
  "%InlNoAnchor.class;
  %Misc.class;"
>

<!ENTITY % Inline.mix
  "%Inline.class;
  %Misc.class;"
>

<!-- Block Elements ..... -->

```

```

<!ENTITY % Heading.class
  "%h1.qname; | %h2.qname; | %h3.qname;
  | %h4.qname; | %h5.qname; | %h6.qname;"
>
<!ENTITY % List.class "%ul.qname; | %ol.qname; | %dl.qname;" >

<!ENTITY % Table.class "| %table.qname;" >

<!ENTITY % Form.class "| %form.qname;" >

<!ENTITY % BlkStruct.class "%p.qname; | %div.qname;" >

<!ENTITY % BlkPhras.class
  "| %pre.qname; | %blockquote.qname; | %address.qname;"
>

<!ENTITY % BlkPres.class "| %hr.qname;" >

<!ENTITY % BlkSpecial.class
  "%Table.class;
  %Form.class;"
>

<!ENTITY % Block.extra "" >

<!ENTITY % Block.class
  "%BlkStruct.class;
  %BlkPhras.class;
  %BlkPres.class;
  %BlkSpecial.class;
  %Block.extra;"
>

<!ENTITY % Block.mix
  "%Heading.class;
  | %List.class;
  | %Block.class;
  %Misc.class;"
>

<!-- All Content Elements ..... -->

<!ENTITY % FlowNoTable.mix
  "%Heading.class;
  | %List.class;
  | %BlkStruct.class;
  %BlkPhras.class;

```

```
%BlkPres.class;  
%Form.class;  
%Block.extra;  
| %Inline.class;  
%Misc.class;"
```

>

```
<!ENTITY % Flow.mix  
"%Heading.class;  
| %List.class;  
| %Block.class;  
| %Inline.class;  
%Misc.class;"
```

>

```
<!-- end of xhtml-print10-model-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-  
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-print10-model-1.mod
```

No license file was found, but licenses were detected in source scan.

SVG 1.1 Tiny DTD

This is SVG Tiny, a proper subset of SVG.

The Scalable Vector Graphics (SVG)

Copyright 2001, 2002 World Wide Web Consortium

(Massachusetts Institute of Technology, Institut National de
Recherche en Informatique et en Automatique, Keio University).

All Rights Reserved.

Permission to use, copy, modify and distribute the SVG DTD and its
accompanying documentation for any purpose and without fee is hereby
granted in perpetuity, provided that the above copyright notice and
this paragraph appear in all copies. The copyright holders make no
representation about the suitability of the DTD for any purpose.

It is provided "as is" without expressed or implied warranty.

Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>

Revision: \$Id: svg11

dimensional graphics in XML.

Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.

Revision: \$Id: svg

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
```


jar/net/sf/saxon/data/w3c/svg11/svg11-tiny-flat.dtd
No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->  
<!-- XHTML Images Module ..... -->  
<!-- file: xhtml-image-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2000 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: xhtml-image-1.mod,v 1.1 2001/02/13 12:24:22 ht Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Images 1.0//EN"  
SYSTEM "http://www.w3.org/TR/xhtml-modulization/DTD/xhtml-image-1.mod"
```

Revisions:
(none)
..... -->

```
<!-- Images
```

```
    img
```

This module provides markup to support basic image embedding.
-->

```
<!-- To avoid problems with text-only UAs as well as to make  
    image content understandable and navigable to users of  
    non-visual UAs, you need to provide a description with  
    the 'alt' attribute, and avoid server-side image maps.  
-->
```

```
<!ENTITY % img.element "INCLUDE" >  
<![%img.element;[  
<!ENTITY % img.content "EMPTY" >  
<!ENTITY % img.qname "img" >  
<!ELEMENT %img.qname; %img.content; >  
<!-- end of img.element -->]]>
```

```
<!ENTITY % img.attlist "INCLUDE" >  
<![%img.attlist;[  
<!ATTLIST %img.qname;  
    %Common.attrib;  
    src      %URI.datatype;      #REQUIRED  
    alt      %Text.datatype;     #REQUIRED  
    longdesc %URI.datatype;     #IMPLIED  
    height   %Length.datatype;  #IMPLIED
```

width %Length.datatype; #IMPLIED

>

<!-- end of img.attlist -->]]>

<!-- end of xhtml-image-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/rddl/xhtml-image-1.mod

No license file was found, but licenses were detected in source scan.

<!--

File isomfrk.ent produced by the XSL script entities.xml
from input data in unicode.xml.

Copyright 1998 - 2009 W3C.

Use and distribution of this code are permitted under the terms of the
W3C Software Notice and License.

<http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231.html>

Please report any errors to David Carlisle
via the public W3C list www-math@w3.org.

The numeric character values assigned to each entity
(should) match the Unicode assignments in Unicode 5.x.

Entity names in this file are derived from files carrying the
following notice:

(C) International Organization for Standardization 1991
Permission to copy in any form is granted for use with
conforming SGML systems and applications as defined in
ISO 8879, provided this notice is included in all copies.

-->

<!--

Public identifier: -//W3C//ENTITIES Math Alphabets: Fraktur//EN//XML
System identifier: <http://www.w3.org/2003/entities/2007/isomfrk.ent>

The public identifier should always be used verbatim.
The system identifier may be changed to suit local requirements.

Typical invocation:

```
<!ENTITY % isomfrk PUBLIC
"-//W3C//ENTITIES Math Alphabets: Fraktur//EN//XML"
"http://www.w3.org/2003/entities/2007/isomfrk.ent"
>
%isomfrk;
```

-->

```
<!ENTITY afr      "&#x1D51E;" ><!--MATHEMATICAL FRAKTUR SMALL A -->
<!ENTITY Afr      "&#x1D504;" ><!--MATHEMATICAL FRAKTUR CAPITAL A -->
<!ENTITY bfr      "&#x1D51F;" ><!--MATHEMATICAL FRAKTUR SMALL B -->
<!ENTITY Bfr      "&#x1D505;" ><!--MATHEMATICAL FRAKTUR CAPITAL B -->
<!ENTITY cfr      "&#x1D520;" ><!--MATHEMATICAL FRAKTUR SMALL C -->
<!ENTITY Cfr      "&#x0212D;" ><!--BLACK-LETTER CAPITAL C -->
<!ENTITY dfr      "&#x1D521;" ><!--MATHEMATICAL FRAKTUR SMALL D -->
<!ENTITY Dfr      "&#x1D507;" ><!--MATHEMATICAL FRAKTUR CAPITAL D -->
<!ENTITY efr      "&#x1D522;" ><!--MATHEMATICAL FRAKTUR SMALL E -->
<!ENTITY Efr      "&#x1D508;" ><!--MATHEMATICAL FRAKTUR CAPITAL E -->
<!ENTITY ffr      "&#x1D523;" ><!--MATHEMATICAL FRAKTUR SMALL F -->
<!ENTITY Ffr      "&#x1D509;" ><!--MATHEMATICAL FRAKTUR CAPITAL F -->
<!ENTITY gfr      "&#x1D524;" ><!--MATHEMATICAL FRAKTUR SMALL G -->
<!ENTITY Gfr      "&#x1D50A;" ><!--MATHEMATICAL FRAKTUR CAPITAL G -->
<!ENTITY hfr      "&#x1D525;" ><!--MATHEMATICAL FRAKTUR SMALL H -->
<!ENTITY Hfr      "&#x0210C;" ><!--BLACK-LETTER CAPITAL H -->
<!ENTITY ifr      "&#x1D526;" ><!--MATHEMATICAL FRAKTUR SMALL I -->
<!ENTITY Ifr      "&#x02111;" ><!--BLACK-LETTER CAPITAL I -->
<!ENTITY jfr      "&#x1D527;" ><!--MATHEMATICAL FRAKTUR SMALL J -->
<!ENTITY Jfr      "&#x1D50D;" ><!--MATHEMATICAL FRAKTUR CAPITAL J -->
<!ENTITY kfr      "&#x1D528;" ><!--MATHEMATICAL FRAKTUR SMALL K -->
<!ENTITY Kfr      "&#x1D50E;" ><!--MATHEMATICAL FRAKTUR CAPITAL K -->
<!ENTITY lfr      "&#x1D529;" ><!--MATHEMATICAL FRAKTUR SMALL L -->
<!ENTITY Lfr      "&#x1D50F;" ><!--MATHEMATICAL FRAKTUR CAPITAL L -->
<!ENTITY mfr      "&#x1D52A;" ><!--MATHEMATICAL FRAKTUR SMALL M -->
<!ENTITY Mfr      "&#x1D510;" ><!--MATHEMATICAL FRAKTUR CAPITAL M -->
<!ENTITY nfr      "&#x1D52B;" ><!--MATHEMATICAL FRAKTUR SMALL N -->
<!ENTITY Nfr      "&#x1D511;" ><!--MATHEMATICAL FRAKTUR CAPITAL N -->
<!ENTITY ofr      "&#x1D52C;" ><!--MATHEMATICAL FRAKTUR SMALL O -->
<!ENTITY Ofr      "&#x1D512;" ><!--MATHEMATICAL FRAKTUR CAPITAL O -->
<!ENTITY pfr      "&#x1D52D;" ><!--MATHEMATICAL FRAKTUR SMALL P -->
<!ENTITY Pfr      "&#x1D513;" ><!--MATHEMATICAL FRAKTUR CAPITAL P -->
<!ENTITY qfr      "&#x1D52E;" ><!--MATHEMATICAL FRAKTUR SMALL Q -->
<!ENTITY Qfr      "&#x1D514;" ><!--MATHEMATICAL FRAKTUR CAPITAL Q -->
<!ENTITY rfr      "&#x1D52F;" ><!--MATHEMATICAL FRAKTUR SMALL R -->
<!ENTITY Rfr      "&#x0211C;" ><!--BLACK-LETTER CAPITAL R -->
<!ENTITY sfr      "&#x1D530;" ><!--MATHEMATICAL FRAKTUR SMALL S -->
<!ENTITY Sfr      "&#x1D516;" ><!--MATHEMATICAL FRAKTUR CAPITAL S -->
<!ENTITY tfr      "&#x1D531;" ><!--MATHEMATICAL FRAKTUR SMALL T -->
<!ENTITY Tfr      "&#x1D517;" ><!--MATHEMATICAL FRAKTUR CAPITAL T -->
```

```

<!ENTITY ufr      "𝔲" ><!--MATHEMATICAL FRAKTUR SMALL U -->
<!ENTITY Ufr      "𝔘" ><!--MATHEMATICAL FRAKTUR CAPITAL U -->
<!ENTITY vfr      "𝔳" ><!--MATHEMATICAL FRAKTUR SMALL V -->
<!ENTITY Vfr      "𝔙" ><!--MATHEMATICAL FRAKTUR CAPITAL V -->
<!ENTITY wfr      "𝔴" ><!--MATHEMATICAL FRAKTUR SMALL W -->
<!ENTITY Wfr      "𝔚" ><!--MATHEMATICAL FRAKTUR CAPITAL W -->
<!ENTITY xfr      "𝔵" ><!--MATHEMATICAL FRAKTUR SMALL X -->
<!ENTITY Xfr      "𝔛" ><!--MATHEMATICAL FRAKTUR CAPITAL X -->
<!ENTITY yfr      "𝔶" ><!--MATHEMATICAL FRAKTUR SMALL Y -->
<!ENTITY Yfr      "𝔜" ><!--MATHEMATICAL FRAKTUR CAPITAL Y -->
<!ENTITY zfr      "𝔷" ><!--MATHEMATICAL FRAKTUR SMALL Z -->
<!ENTITY Zfr      "ℨ" ><!--BLACK-LETTER CAPITAL Z -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/mathml/mathml3/isomfrk.ent

```

No license file was found, but licenses were detected in source scan.

2000 W3C (MIT, INRIA, Keio),
All Rights Reserved.

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml10/xhtml11-transitional.dtd

```

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml10/xhtml11-strict.dtd

```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->

```

```

<!-- XHTML Notations Module ..... -->

```

```

<!-- file: xhtml-notations-1.mod

```

This is XHTML, a reformulation of HTML as a modular XML application.

Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.

Revision: \$Id: xhtml-notations-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//NOTATIONS XHTML Notations 1.0/EN"

SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-notations-1.mod"

Revisions:

(none)

```

..... -->

```

<!-- Notations

defines the following notations, many of these imported from other specifications and standards. When an existing FPI is known, it is incorporated here.

-->

<!-- XML Notations -->

<!-- SGML and XML Notations -->

<!-- W3C XML 1.0 Recommendation -->

<!NOTATION w3c-xml

PUBLIC "ISO 8879//NOTATION Extensible Markup Language (XML) 1.0//EN" >

<!-- XML 1.0 CDATA -->

<!NOTATION cdata

PUBLIC "-//W3C//NOTATION XML 1.0: CDATA//EN" >

<!-- SGML Formal Public Identifiers -->

<!NOTATION fpi

PUBLIC "ISO 8879:1986//NOTATION Formal Public Identifier//EN" >

<!-- XHTML Notations -->

<!-- Length defined for cellpadding/cellspacing -->

<!-- nn for pixels or nn% for percentage length -->

<!NOTATION length

PUBLIC "-//W3C//NOTATION XHTML Datatype: Length//EN" >

<!-- space-separated list of link types -->

<!NOTATION linkTypes

PUBLIC "-//W3C//NOTATION XHTML Datatype: LinkTypes//EN" >

<!-- single or comma-separated list of media descriptors -->

<!NOTATION mediaDesc

PUBLIC "-//W3C//NOTATION XHTML Datatype: MediaDesc//EN" >

<!-- pixel, percentage, or relative -->

<!NOTATION multiLength

PUBLIC "-//W3C//NOTATION XHTML Datatype: MultiLength//EN" >

<!-- one or more digits (NUMBER) -->

<!NOTATION number

PUBLIC "-//W3C//NOTATION XHTML Datatype: Number//EN" >

<!-- integer representing length in pixels -->

```

<!NOTATION pixels
  PUBLIC "-//W3C//NOTATION XHTML Datatype: Pixels//EN" >

<!-- script expression -->
<!NOTATION script
  PUBLIC "-//W3C//NOTATION XHTML Datatype: Script//EN" >

<!-- textual content -->
<!NOTATION text
  PUBLIC "-//W3C//NOTATION XHTML Datatype: Text//EN" >

<!-- Imported Notations ..... -->

<!-- a single character from [ISO10646] -->
<!NOTATION character
  PUBLIC "-//W3C//NOTATION XHTML Datatype: Character//EN" >

<!-- a character encoding, as per [RFC2045] -->
<!NOTATION charset
  PUBLIC "-//W3C//NOTATION XHTML Datatype: Charset//EN" >

<!-- a space separated list of character encodings, as per [RFC2045] -->
<!NOTATION charsets
  PUBLIC "-//W3C//NOTATION XHTML Datatype: Charsets//EN" >

<!-- media type, as per [RFC2045] -->
<!NOTATION contentType
  PUBLIC "-//W3C//NOTATION XHTML Datatype: ContentType//EN" >

<!-- comma-separated list of media types, as per [RFC2045] -->
<!NOTATION contentTypes
  PUBLIC "-//W3C//NOTATION XHTML Datatype: ContentTypes//EN" >

<!-- date and time information. ISO date format -->
<!NOTATION datetime
  PUBLIC "-//W3C//NOTATION XHTML Datatype: Datetime//EN" >

<!-- a language code, as per [RFC3066] -->
<!NOTATION languageCode
  PUBLIC "-//W3C//NOTATION XHTML Datatype: LanguageCode//EN" >

<!-- a Uniform Resource Identifier, see [URI] -->
<!NOTATION uri
  PUBLIC "-//W3C//NOTATION XHTML Datatype: URI//EN" >

<!-- a space-separated list of Uniform Resource Identifiers, see [URI] -->
<!NOTATION uris
  PUBLIC "-//W3C//NOTATION XHTML Datatype: URIs//EN" >

```

<!-- end of xhtml-notations-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/xhtml11/xhtml-notations-1.mod

No license file was found, but licenses were detected in source scan.

<!--

File isoamso.ent produced by the XSL script entities.xml
from input data in unicode.xml.

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<http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231.html>

Please report any errors to David Carlisle
via the public W3C list www-math@w3.org.

The numeric character values assigned to each entity
(should) match the Unicode assignments in Unicode 5.x.

Entity names in this file are derived from files carrying the
following notice:

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conforming SGML systems and applications as defined in
ISO 8879, provided this notice is included in all copies.

-->

<!--

Public identifier: `-//W3C//ENTITIES Added Math Symbols: Ordinary//EN//XML`
System identifier: `http://www.w3.org/2003/entities/2007/isoamso.ent`

The public identifier should always be used verbatim.
The system identifier may be changed to suit local requirements.

Typical invocation:

```
<!ENTITY % isoamso PUBLIC
"-//W3C//ENTITIES Added Math Symbols: Ordinary//EN//XML"
"http://www.w3.org/2003/entities/2007/isoamso.ent"
```

>
%isoamso;

-->

<!ENTITY ang "∠" ><!--ANGLE -->
<!ENTITY ange "⦤" ><!--ANGLE WITH UNDERBAR -->
<!ENTITY angmsd "∡" ><!--MEASURED ANGLE -->
<!ENTITY angmsdaa "⦨" ><!--MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING UP AND RIGHT -->
<!ENTITY angmsdab "⦩" ><!--MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING UP AND LEFT -->
<!ENTITY angmsdac "⦪" ><!--MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING DOWN AND RIGHT -->
<!ENTITY angmsdad "⦫" ><!--MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING DOWN AND LEFT -->
<!ENTITY angmsdae "⦬" ><!--MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING RIGHT AND UP -->
<!ENTITY angmsdaf "⦭" ><!--MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING LEFT AND UP -->
<!ENTITY angmsdag "⦮" ><!--MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING RIGHT AND DOWN -->
<!ENTITY angmsdah "⦯" ><!--MEASURED ANGLE WITH OPEN ARM ENDING IN ARROW POINTING LEFT AND DOWN -->
<!ENTITY angrtvb "⊾" ><!--RIGHT ANGLE WITH ARC -->
<!ENTITY angrtvbd "⦝" ><!--MEASURED RIGHT ANGLE WITH DOT -->
<!ENTITY bbrk "⎵" ><!--BOTTOM SQUARE BRACKET -->
<!ENTITY bbrktbrk "⎶" ><!--BOTTOM SQUARE BRACKET OVER TOP SQUARE BRACKET -->

->

<!ENTITY bemptyv "⦰" ><!--REVERSED EMPTY SET -->
<!ENTITY beth "ℶ" ><!--BET SYMBOL -->
<!ENTITY boxbox "⧉" ><!--TWO JOINED SQUARES -->
<!ENTITY bprime "‵" ><!--REVERSED PRIME -->
<!ENTITY bsemi "⁏" ><!--REVERSED SEMICOLON -->
<!ENTITY cemptyv "⦲" ><!--EMPTY SET WITH SMALL CIRCLE ABOVE -->
<!ENTITY cirE "⧃" ><!--CIRCLE WITH TWO HORIZONTAL STROKES TO THE RIGHT -->
<!ENTITY cirscir "⧂" ><!--CIRCLE WITH SMALL CIRCLE TO THE RIGHT -->
<!ENTITY comp "∁" ><!--COMPLEMENT -->
<!ENTITY daleth "ℸ" ><!--DALET SYMBOL -->
<!ENTITY demptyv "⦱" ><!--EMPTY SET WITH OVERBAR -->
<!ENTITY ell "ℓ" ><!--SCRIPT SMALL L -->
<!ENTITY empty "∅" ><!--EMPTY SET -->
<!ENTITY emptyv "∅" ><!--EMPTY SET -->
<!ENTITY gimel "ℷ" ><!--GIMEL SYMBOL -->
<!ENTITY iota "℩" ><!--TURNED GREEK SMALL LETTER IOTA -->
<!ENTITY image "ℑ" ><!--BLACK-LETTER CAPITAL I -->
<!ENTITY imath "ı" ><!--LATIN SMALL LETTER DOTLESS I -->
<!ENTITY jmath "ȷ" ><!--LATIN SMALL LETTER DOTLESS J -->

<!ENTITY laemptyv "⦴" ><!--EMPTY SET WITH LEFT ARROW ABOVE -->
 <!ENTITY lltri "◺" ><!--LOWER LEFT TRIANGLE -->
 <!ENTITY lrtri "⊿" ><!--RIGHT TRIANGLE -->
 <!ENTITY mho "℧" ><!--INVERTED OHM SIGN -->
 <!ENTITY nang "∠⃒" ><!--ANGLE with vertical line -->
 <!ENTITY nexist "∄" ><!--THERE DOES NOT EXIST -->
 <!ENTITY oS "Ⓢ" ><!--CIRCLED LATIN CAPITAL LETTER S -->
 <!ENTITY planck "ℏ" ><!--PLANCK CONSTANT OVER TWO PI -->
 <!ENTITY plankv "ℏ" ><!--PLANCK CONSTANT OVER TWO PI -->
 <!ENTITY raemptyv "⦳" ><!--EMPTY SET WITH RIGHT ARROW ABOVE -->
 <!ENTITY range "⦥" ><!--REVERSED ANGLE WITH UNDERBAR -->
 <!ENTITY real "ℜ" ><!--BLACK-LETTER CAPITAL R -->
 <!ENTITY tbrk "⎴" ><!--TOP SQUARE BRACKET -->
 <!ENTITY trpezium "⏢" ><!--WHITE TRAPEZIUM -->
 <!ENTITY ultri "◸" ><!--UPPER LEFT TRIANGLE -->
 <!ENTITY urtri "◹" ><!--UPPER RIGHT TRIANGLE -->
 <!ENTITY vzigzag "⦚" ><!--VERTICAL ZIGZAG LINE -->
 <!ENTITY weierp "℘" ><!--SCRIPT CAPITAL P -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/mathml/mathml3/isoamso.ent

No license file was found, but licenses were detected in source scan.

<!--

* This is an umbrella schema for the various schema documents used
 * to support XPath 3.0 functions and operators.
 *
 * The schema is made available under the terms of the W3C software notice and license
 * at <http://www.w3.org/Consortium/Legal/copyright-software-19980720>
 *

-->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/xpath-functions.xsd

No license file was found, but licenses were detected in source scan.

<!-- -->

<!-- XHTML Basic Table Module -->

<!-- file: xhtml-basic-table-1.mod

This is XHTML Basic, a proper subset of XHTML.

Copyright 1998-2000 W3C (MIT, INRIA, Keio), All Rights Reserved.

Revision: \$Id: xhtml-basic-table-1.mod,v 1.1 2001/02/13 12:24:22 ht Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ELEMENTS XHTML Basic Tables 1.0//EN"
SYSTEM "http://www.w3.org/TR/xhtml-modulization/DTD/xhtml-basic-table-1.mod"

Revisions:

(none)

..... -->

<!-- Basic Tables

table, caption, tr, th, td

This table module declares elements and attributes defining a table model based fundamentally on features found in the widely-deployed HTML 3.2 table model. While this module mimics the content model and table attributes of HTML 3.2 tables, the element types declared herein also includes all HTML 4 common and most of the HTML 4 table attributes.

-->

<!-- declare qualified element type names:

-->

<!ENTITY % table.qname "table" >

<!ENTITY % caption.qname "caption" >

<!ENTITY % tr.qname "tr" >

<!ENTITY % th.qname "th" >

<!ENTITY % td.qname "td" >

<!-- horizontal alignment attributes for cell contents

-->

<!ENTITY % CellHAlign.attrib

"align (left
| center
| right) #IMPLIED"

>

<!-- vertical alignment attributes for cell contents

-->

<!ENTITY % CellVAlign.attrib

"valign (top
| middle
| bottom) #IMPLIED"

>

<!-- scope is simpler than axes attribute for common tables

-->

<!ENTITY % scope.attrib

"scope (row | col) #IMPLIED"

>

```

<!-- table: Table Element ..... -->

<!ENTITY % table.element "INCLUDE" >
<![%table.element;[
<!ENTITY % table.content
    "( %caption.qname;?, %tr.qname;+ )"
>
<!ELEMENT %table.qname; %table.content; >
<!-- end of table.element -->]]>

<!ENTITY % table.attlist "INCLUDE" >
<![%table.attlist;[
<!ATTLIST %table.qname;
    %Common.attrib;
    summary %Text.datatype; #IMPLIED
>
<!-- end of table.attlist -->]]>

<!-- caption: Table Caption ..... -->

<!ENTITY % caption.element "INCLUDE" >
<![%caption.element;[
<!ENTITY % caption.content
    "( #PCDATA | %Inline.mix; )*"
>
<!ELEMENT %caption.qname; %caption.content; >
<!-- end of caption.element -->]]>

<!ENTITY % caption.attlist "INCLUDE" >
<![%caption.attlist;[
<!ATTLIST %caption.qname;
    %Common.attrib;
>
<!-- end of caption.attlist -->]]>

<!-- tr: Table Row ..... -->

<!ENTITY % tr.element "INCLUDE" >
<![%tr.element;[
<!ENTITY % tr.content "( %th.qname; | %td.qname; )+" >
<!ELEMENT %tr.qname; %tr.content; >
<!-- end of tr.element -->]]>

<!ENTITY % tr.attlist "INCLUDE" >
<![%tr.attlist;[
<!ATTLIST %tr.qname;
    %Common.attrib;

```

```

    %CellHAlign.attrib;
    %CellVAlign.attrib;
>
<!-- end of tr.attlist -->]]>

<!-- th: Table Header Cell ..... -->

<!-- th is for header cells, td for data,
    but for cells acting as both use td
-->

<!ENTITY % th.element "INCLUDE" >
<![%th.element;[
<!ENTITY % th.content
    "( #PCDATA | %FlowNoTable.mix; )*"
>
<!ELEMENT %th.qname; %th.content; >
<!-- end of th.element -->]]>

<!ENTITY % th.attlist "INCLUDE" >
<![%th.attlist;[
<!ATTLIST %th.qname;
    %Common.attrib;
    abbr    %Text.datatype;    #IMPLIED
    axis    CDATA              #IMPLIED
    headers IDREFS            #IMPLIED
    %scope.attrib;
    rowspan %Number.datatype;  '1'
    colspan %Number.datatype;  '1'
    %CellHAlign.attrib;
    %CellVAlign.attrib;
>
<!-- end of th.attlist -->]]>

<!-- td: Table Data Cell ..... -->

<!ENTITY % td.element "INCLUDE" >
<![%td.element;[
<!ENTITY % td.content
    "( #PCDATA | %FlowNoTable.mix; )*"
>
<!ELEMENT %td.qname; %td.content; >
<!-- end of td.element -->]]>

<!ENTITY % td.attlist "INCLUDE" >
<![%td.attlist;[
<!ATTLIST %td.qname;
    %Common.attrib;

```

```
abbr      %Text.datatype;      #IMPLIED
axis      CDATA              #IMPLIED
headers   IDREFS             #IMPLIED
%scope.attrib;
rowspan   %Number.datatype;   '1'
colspan   %Number.datatype;   '1'
%CellHAlign.attrib;
%CellVAlign.attrib;
>
<!-- end of td.attlist -->]]>
```

```
<!-- end of xhtml-basic-table-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/rddl/xhtml-basic-table-1.mod
```

No license file was found, but licenses were detected in source scan.

```
<!--
```

File isoamsn.ent produced by the XSL script entities.xsl
from input data in unicode.xml.

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W3C Software Notice and License.

<http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231.html>

Please report any errors to David Carlisle
via the public W3C list www-math@w3.org.

The numeric character values assigned to each entity
(should) match the Unicode assignments in Unicode 5.x.

References to the VARIANT SELECTOR 1 character (︀) should match the uses listed in Unicode Technical Report 25.

Entity names in this file are derived from files carrying the following notice:

(C) International Organization for Standardization 1991
Permission to copy in any form is granted for use with conforming SGML systems and applications as defined in ISO 8879, provided this notice is included in all copies.

```
-->
```

<!--

Public identifier: -//W3C//ENTITIES Added Math Symbols: Negated Relations//EN//XML
System identifier: http://www.w3.org/2003/entities/2007/isoamsn.ent

The public identifier should always be used verbatim.
The system identifier may be changed to suit local requirements.

Typical invocation:

```
<!ENTITY % isoamsn PUBLIC
  "-//W3C//ENTITIES Added Math Symbols: Negated Relations//EN//XML"
  "http://www.w3.org/2003/entities/2007/isoamsn.ent"
>
%isoamsn;

-->

<!ENTITY gnap      "⪊" ><!--GREATER-THAN AND NOT APPROXIMATE -->
<!ENTITY gne      "⪈" ><!--GREATER-THAN AND SINGLE-LINE NOT EQUAL TO -->
<!ENTITY gnE      "≩" ><!--GREATER-THAN BUT NOT EQUAL TO -->
<!ENTITY gnsim    "⋧" ><!--GREATER-THAN BUT NOT EQUIVALENT TO -->
<!ENTITY gvnE     "≩︀" ><!--GREATER-THAN BUT NOT EQUAL TO - with vertical
stroke -->
<!ENTITY lnep     "⪉" ><!--LESS-THAN AND NOT APPROXIMATE -->
<!ENTITY lne      "⪇" ><!--LESS-THAN AND SINGLE-LINE NOT EQUAL TO -->
<!ENTITY lnE      "≨" ><!--LESS-THAN BUT NOT EQUAL TO -->
<!ENTITY lnsim    "⋦" ><!--LESS-THAN BUT NOT EQUIVALENT TO -->
<!ENTITY lvnE     "≨︀" ><!--LESS-THAN BUT NOT EQUAL TO - with vertical stroke -
->
<!ENTITY nap      "≉" ><!--NOT ALMOST EQUAL TO -->
<!ENTITY napE     "⩰̸" ><!--APPROXIMATELY EQUAL OR EQUAL TO with slash --
>
<!ENTITY napid    "≋̸" ><!--TRIPLE TILDE with slash -->
<!ENTITY ncong    "≇" ><!--NEITHER APPROXIMATELY NOR ACTUALLY EQUAL TO -->
<!ENTITY ncongdot "⩭̸" ><!--CONGRUENT WITH DOT ABOVE with slash -->
<!ENTITY nequiv   "≢" ><!--NOT IDENTICAL TO -->
<!ENTITY nge      "≱" ><!--NEITHER GREATER-THAN NOR EQUAL TO -->
<!ENTITY ngE      "≧̸" ><!--GREATER-THAN OVER EQUAL TO with slash -->
<!ENTITY nges     "⩾̸" ><!--GREATER-THAN OR SLANTED EQUAL TO with slash -
->
<!ENTITY nGg      "⋙̸" ><!--VERY MUCH GREATER-THAN with slash -->
<!ENTITY ngsim    "≵" ><!--NEITHER GREATER-THAN NOR EQUIVALENT TO -->
<!ENTITY ngt      "≯" ><!--NOT GREATER-THAN -->
<!ENTITY nGt      "≫⃒" ><!--MUCH GREATER THAN with vertical line -->
<!ENTITY nGtv     "≫̸" ><!--MUCH GREATER THAN with slash -->
<!ENTITY nle      "≰" ><!--NEITHER LESS-THAN NOR EQUAL TO -->
<!ENTITY nLE      "≦̸" ><!--LESS-THAN OVER EQUAL TO with slash -->
```

| | |
|--|---|
| <!ENTITY nles | "⩽̸" ><!--LESS-THAN OR SLANTED EQUAL TO with slash --> |
| <!ENTITY nLl | "⋘̸" ><!--VERY MUCH LESS-THAN with slash --> |
| <!ENTITY nlsim | "≴" ><!--NEITHER LESS-THAN NOR EQUIVALENT TO --> |
| <!ENTITY nlt | "≮" ><!--NOT LESS-THAN --> |
| <!ENTITY nLt | "≪⃒" ><!--MUCH LESS THAN with vertical line --> |
| <!ENTITY nltri | "⋪" ><!--NOT NORMAL SUBGROUP OF --> |
| <!ENTITY nltrie | "⋬" ><!--NOT NORMAL SUBGROUP OF OR EQUAL TO --> |
| <!ENTITY nLtv | "≪̸" ><!--MUCH LESS THAN with slash --> |
| <!ENTITY nmid | "∤" ><!--DOES NOT DIVIDE --> |
| <!ENTITY npar | "∦" ><!--NOT PARALLEL TO --> |
| <!ENTITY npr | "⊀" ><!--DOES NOT PRECEDE --> |
| <!ENTITY nprcue | "⋠" ><!--DOES NOT PRECEDE OR EQUAL --> |
| <!ENTITY npre
slash --> | "⪯̸" ><!--PRECEDES ABOVE SINGLE-LINE EQUALS SIGN with
slash --> |
| <!ENTITY nrtri | "⋫" ><!--DOES NOT CONTAIN AS NORMAL SUBGROUP --> |
| <!ENTITY nrtrie | "⋭" ><!--DOES NOT CONTAIN AS NORMAL SUBGROUP OR EQUAL --> |
| <!ENTITY nsc | "⊁" ><!--DOES NOT SUCCEED --> |
| <!ENTITY nscue | "⋡" ><!--DOES NOT SUCCEED OR EQUAL --> |
| <!ENTITY nsce
slash --> | "⪰̸" ><!--SUCCEEDS ABOVE SINGLE-LINE EQUALS SIGN with
slash --> |
| <!ENTITY nsim | "≁" ><!--NOT TILDE --> |
| <!ENTITY nsime | "≄" ><!--NOT ASYMPTOTICALLY EQUAL TO --> |
| <!ENTITY nsmid | "∤" ><!--DOES NOT DIVIDE --> |
| <!ENTITY nspar | "∦" ><!--NOT PARALLEL TO --> |
| <!ENTITY nsqsube | "⋢" ><!--NOT SQUARE IMAGE OF OR EQUAL TO --> |
| <!ENTITY nsqsupe | "⋣" ><!--NOT SQUARE ORIGINAL OF OR EQUAL TO --> |
| <!ENTITY nsub | "⊄" ><!--NOT A SUBSET OF --> |
| <!ENTITY nsube | "⊈" ><!--NEITHER A SUBSET OF NOR EQUAL TO --> |
| <!ENTITY nsubE | "⫅̸" ><!--SUBSET OF ABOVE EQUALS SIGN with slash --> |
| <!ENTITY nsup | "⊅" ><!--NOT A SUPERSET OF --> |
| <!ENTITY nsupe | "⊉" ><!--NEITHER A SUPERSET OF NOR EQUAL TO --> |
| <!ENTITY nsupE | "⫆̸" ><!--SUPERSET OF ABOVE EQUALS SIGN with slash --> |
| <!ENTITY ntgl | "≹" ><!--NEITHER GREATER-THAN NOR LESS-THAN --> |
| <!ENTITY ntlg | "≸" ><!--NEITHER LESS-THAN NOR GREATER-THAN --> |
| <!ENTITY nvap | "≍⃒" ><!--EQUIVALENT TO with vertical line --> |
| <!ENTITY nvdash | "⊬" ><!--DOES NOT PROVE --> |
| <!ENTITY nvDash | "⊭" ><!--NOT TRUE --> |
| <!ENTITY nVdash | "⊮" ><!--DOES NOT FORCE --> |
| <!ENTITY nVDash
TURNSTILE --> | "⊯" ><!--NEGATED DOUBLE VERTICAL BAR DOUBLE RIGHT
TURNSTILE --> |
| <!ENTITY nvge | "≥⃒" ><!--GREATER-THAN OR EQUAL TO with vertical line --> |
| <!ENTITY nvgt | ">⃒" ><!--GREATER-THAN SIGN with vertical line --> |
| <!ENTITY nvle | "≤⃒" ><!--LESS-THAN OR EQUAL TO with vertical line --> |
| <!ENTITY nvlt | "<⃒" ><!--LESS-THAN SIGN with vertical line --> |
| <!ENTITY nvltrie
line --> | "⊴⃒" ><!--NORMAL SUBGROUP OF OR EQUAL TO with vertical
line --> |
| <!ENTITY nvrtrie
with vertical line --> | "⊵⃒" ><!--CONTAINS AS NORMAL SUBGROUP OR EQUAL TO
with vertical line --> |

```

<!ENTITY nvsim      "∼⃒" ><!--TILDE OPERATOR with vertical line -->
<!ENTITY parsim    "⫳" ><!--PARALLEL WITH TILDE OPERATOR -->
<!ENTITY prnap     "⪹" ><!--PRECEDES ABOVE NOT ALMOST EQUAL TO -->
<!ENTITY prnE      "⪵" ><!--PRECEDES ABOVE NOT EQUAL TO -->
<!ENTITY prnsim    "⋨" ><!--PRECEDES BUT NOT EQUIVALENT TO -->
<!ENTITY rnmid     "⫮" ><!--DOES NOT DIVIDE WITH REVERSED NEGATION SLASH -->
<!ENTITY scnap     "⪺" ><!--SUCCEEDS ABOVE NOT ALMOST EQUAL TO -->
<!ENTITY scnE      "⪶" ><!--SUCCEEDS ABOVE NOT EQUAL TO -->
<!ENTITY scnsim    "⋩" ><!--SUCCEEDS BUT NOT EQUIVALENT TO -->
<!ENTITY simne     "≆" ><!--APPROXIMATELY BUT NOT ACTUALLY EQUAL TO -->
<!ENTITY solbar    "⌿" ><!--APL FUNCTIONAL SYMBOL SLASH BAR -->
<!ENTITY subne     "⊊" ><!--SUBSET OF WITH NOT EQUAL TO -->
<!ENTITY subnE     "⫋" ><!--SUBSET OF ABOVE NOT EQUAL TO -->
<!ENTITY supne     "⊋" ><!--SUPERSET OF WITH NOT EQUAL TO -->
<!ENTITY supnE     "⫌" ><!--SUPERSET OF ABOVE NOT EQUAL TO -->
<!ENTITY vnsub     "⊂⃒" ><!--SUBSET OF with vertical line -->
<!ENTITY vnsup     "⊃⃒" ><!--SUPERSET OF with vertical line -->
<!ENTITY vsubne    "⊊࿠" ><!--SUBSET OF WITH NOT EQUAL TO - variant with
stroke through bottom members -->
<!ENTITY vsubnE    "⫋࿠" ><!--SUBSET OF ABOVE NOT EQUAL TO - variant with
stroke through bottom members -->
<!ENTITY vsupne    "⊋࿠" ><!--SUPERSET OF WITH NOT EQUAL TO - variant with
stroke through bottom members -->
<!ENTITY vsupnE    "⫌࿠" ><!--SUPERSET OF ABOVE NOT EQUAL TO - variant
with stroke through bottom members -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/mathml/mathml3/isoamsn.ent

```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- SVG 1.1 Graphics Attribute Module ..... -->
<!-- file: svg-graphics-attrib.mod

```

This is SVG, a language for describing two-dimensional graphics in XML.

Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.

Revision: \$Id: svg-graphics-attrib.mod,v 1.2 2002/04/20 18:07:43 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```

PUBLIC "-//W3C//ENTITIES SVG 1.1 Graphics Attribute//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-graphics-attrib.mod"

```

```

..... -->

```

```

<!-- Graphics Attribute

```


display, image-rendering, pointer-events, shape-rendering,
text-rendering, visibility

This module defines the Graphics attribute set.

-->

```
<!ENTITY % SVG.display.attrib
```

```
"display ( inline | block | list-item | run-in | compact | marker |  
    table | inline-table | table-row-group | table-header-group |  
    table-footer-group | table-row | table-column-group |  
    table-column | table-cell | table-caption | none | inherit )  
    #IMPLIED"
```

```
>
```

```
<!ENTITY % SVG.image-rendering.attrib
```

```
"image-rendering ( auto | optimizeSpeed | optimizeQuality | inherit )  
    #IMPLIED"
```

```
>
```

```
<!ENTITY % SVG.pointer-events.attrib
```

```
"pointer-events ( visiblePainted | visibleFill | visibleStroke | visible |  
    painted | fill | stroke | all | none | inherit )  
    #IMPLIED"
```

```
>
```

```
<!ENTITY % SVG.shape-rendering.attrib
```

```
"shape-rendering ( auto | optimizeSpeed | crispEdges | geometricPrecision |  
    inherit ) #IMPLIED"
```

```
>
```

```
<!ENTITY % SVG.text-rendering.attrib
```

```
"text-rendering ( auto | optimizeSpeed | optimizeLegibility |  
    geometricPrecision | inherit ) #IMPLIED"
```

```
>
```

```
<!ENTITY % SVG.visibility.attrib
```

```
"visibility ( visible | hidden | inherit ) #IMPLIED"
```

```
>
```

```
<!ENTITY % SVG.Graphics.extra.attrib "" >
```

```
<!ENTITY % SVG.Graphics.attrib
```

```
"%SVG.display.attrib;  
%SVG.image-rendering.attrib;  
%SVG.pointer-events.attrib;  
%SVG.shape-rendering.attrib;  
%SVG.text-rendering.attrib;  
%SVG.visibility.attrib;
```

```
%SVG.Graphics.extra.attrib;"
>

<!-- end of svg-graphics-attrib.mod -->

Found in path(s):
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-graphics-attrib.mod
No license file was found, but licenses were detected in source scan.
```

```
<!-- ..... -->
<!-- XHTML Datatypes Module ..... -->
<!-- file: xhtml-datatypes-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2000 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: xhtml-datatypes-1.mod,v 1.1 2001/02/13 12:24:22 ht Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES XHTML Datatypes 1.0//EN"
SYSTEM "http://www.w3.org/TR/xhtml-modulization/DTD/xhtml-datatypes-1.mod"
```

```
Revisions:
(none)
..... -->
```

```
<!-- Datatypes

defines containers for the following datatypes, many of
these imported from other specifications and standards.
-->
```

```
<!-- Length defined for cellpadding/cellspacing -->
```

```
<!-- nn for pixels or nn% for percentage length -->
<!ENTITY % Length.datatype "CDATA" >
```

```
<!-- space-separated list of link types -->
<!ENTITY % LinkTypes.datatype "NMTOKENS" >
```

```
<!-- single or comma-separated list of media descriptors -->
<!ENTITY % MediaDesc.datatype "CDATA" >
```

```
<!-- pixel, percentage, or relative -->
<!ENTITY % MultiLength.datatype "CDATA" >
```

```
<!-- one or more digits (NUMBER) -->
```

```
<!ENTITY % Number.datatype "CDATA" >

<!-- integer representing length in pixels -->
<!ENTITY % Pixels.datatype "CDATA" >

<!-- script expression -->
<!ENTITY % Script.datatype "CDATA" >

<!-- textual content -->
<!ENTITY % Text.datatype "CDATA" >

<!-- Imported Datatypes ..... -->

<!-- a single character from [ISO10646] -->
<!ENTITY % Character.datatype "CDATA" >

<!-- a character encoding, as per [RFC2045] -->
<!ENTITY % Charset.datatype "CDATA" >

<!-- a space separated list of character encodings, as per [RFC2045] -->
<!ENTITY % Charsets.datatype "CDATA" >

<!-- media type, as per [RFC2045] -->
<!ENTITY % ContentType.datatype "CDATA" >

<!-- comma-separated list of media types, as per [RFC2045] -->
<!ENTITY % ContentTypes.datatype "CDATA" >

<!-- date and time information. ISO date format -->
<!ENTITY % Datetime.datatype "CDATA" >

<!-- formal public identifier, as per [ISO8879] -->
<!ENTITY % FPI.datatype "CDATA" >

<!-- a language code, as per [RFC1766] -->
<!ENTITY % LanguageCode.datatype "NMTOKEN" >

<!-- a Uniform Resource Identifier, see [URI] -->
<!ENTITY % URI.datatype "CDATA" >

<!-- a space-separated list of Uniform Resource Identifiers, see [URI] -->
<!ENTITY % URIs.datatype "CDATA" >

<!-- end of xhtml-datatypes-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-  
jar/net/sf/saxon/data/w3c/rddl/xhtml-datatypes-1.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- SVG 1.1 Container Attribute Module ..... -->
<!-- file: svg-container-attrib.mod

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: $Id: svg-container-attrib.mod,v 1.2 2002/04/20 18:07:42 fujisawa Exp $

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ENTITIES SVG 1.1 Container Attribute//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-container-attrib.mod"
..... -->

<!-- Container Attribute

enable-background

This module defines the Container attribute set.
-->

<!-- 'enable-background' property/attribute value (e.g., 'new', 'accumulate') -->
<!ENTITY % EnableBackgroundValue.datatype "CDATA" >

<!ENTITY % SVG.enable-background.attrib
"enable-background %EnableBackgroundValue.datatype; #IMPLIED"
>

<!ENTITY % SVG.Container.extra.attrib "" >

<!ENTITY % SVG.Container.attrib
"%SVG.enable-background.attrib;
%SVG.Container.extra.attrib;"
>

<!-- end of svg-container-attrib.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-container-attrib.mod
```

No license file was found, but licenses were detected in source scan.

```
<!--
File isoamsb.ent produced by the XSL script entities.xsl
from input data in unicode.xml.
```

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W3C Software Notice and License.

<http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231.html>

Please report any errors to David Carlisle
via the public W3C list www-math@w3.org.

The numeric character values assigned to each entity
(should) match the Unicode assignments in Unicode 5.x.

References to the VARIANT SELECTOR 1 character (︀)
should match the uses listed in Unicode Technical Report 25.

Entity names in this file are derived from files carrying the
following notice:

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conforming SGML systems and applications as defined in
ISO 8879, provided this notice is included in all copies.

-->

<!--

Public identifier: `-//W3C//ENTITIES Added Math Symbols: Binary Operators//EN//XML`
System identifier: `http://www.w3.org/2003/entities/2007/isoamsb.ent`

The public identifier should always be used verbatim.
The system identifier may be changed to suit local requirements.

Typical invocation:

```
<!ENTITY % isoamsb PUBLIC
  "-//W3C//ENTITIES Added Math Symbols: Binary Operators//EN//XML"
  "http://www.w3.org/2003/entities/2007/isoamsb.ent"
>
%isoamsb;
```

-->

```
<!ENTITY ac      "&#x0223E;" ><!--INVERTED LAZY S -->
<!ENTITY acE    "&#x0223E;&#x00333;" ><!--INVERTED LAZY S with double underline -->
<!ENTITY amalg  "&#x02A3F;" ><!--AMALGAMATION OR COPRODUCT -->
```

<!ENTITY barvee	"⊽" ><!--NOR -->
<!ENTITY barwed	"⌅" ><!--PROJECTIVE -->
<!ENTITY Barwed	"⌆" ><!--PERSPECTIVE -->
<!ENTITY bsolb	"⧅" ><!--SQUARED FALLING DIAGONAL SLASH -->
<!ENTITY Cap	"⋒" ><!--DOUBLE INTERSECTION -->
<!ENTITY capand	"⩄" ><!--INTERSECTION WITH LOGICAL AND -->
<!ENTITY capbrcup	"⩉" ><!--INTERSECTION ABOVE BAR ABOVE UNION -->
<!ENTITY capcap	"⩋" ><!--INTERSECTION BESIDE AND JOINED WITH INTERSECTION -->
>	
<!ENTITY capcup	"⩇" ><!--INTERSECTION ABOVE UNION -->
<!ENTITY capdot	"⩀" ><!--INTERSECTION WITH DOT -->
<!ENTITY caps	"∩࿠" ><!--INTERSECTION with serifs -->
<!ENTITY ccaps	"⩍" ><!--CLOSED INTERSECTION WITH SERIFS -->
<!ENTITY ccups	"⩌" ><!--CLOSED UNION WITH SERIFS -->
<!ENTITY ccupssm	"⩐" ><!--CLOSED UNION WITH SERIFS AND SMASH PRODUCT -->
<!ENTITY coprod	"∐" ><!--N-ARY COPRODUCT -->
<!ENTITY Cup	"⋓" ><!--DOUBLE UNION -->
<!ENTITY cupbrcap	"⩈" ><!--UNION ABOVE BAR ABOVE INTERSECTION -->
<!ENTITY cupcap	"⩆" ><!--UNION ABOVE INTERSECTION -->
<!ENTITY cupcup	"⩊" ><!--UNION BESIDE AND JOINED WITH UNION -->
<!ENTITY cupdot	"⊍" ><!--MULTISET MULTIPLICATION -->
<!ENTITY cupor	"⩅" ><!--UNION WITH LOGICAL OR -->
<!ENTITY cups	"∪࿠" ><!--UNION with serifs -->
<!ENTITY cuvee	"⋎" ><!--CURLY LOGICAL OR -->
<!ENTITY cuwed	"⋏" ><!--CURLY LOGICAL AND -->
<!ENTITY dagger	"†" ><!--DAGGER -->
<!ENTITY Dagger	"‡" ><!--DOUBLE DAGGER -->
<!ENTITY diam	"⋄" ><!--DIAMOND OPERATOR -->
<!ENTITY divonx	"⋇" ><!--DIVISION TIMES -->
<!ENTITY eplus	"⩱" ><!--EQUALS SIGN ABOVE PLUS SIGN -->
<!ENTITY hercon	"⊹" ><!--HERMITIAN CONJUGATE MATRIX -->
<!ENTITY intcal	"⊺" ><!--INTERCALATE -->
<!ENTITY iprod	"⨼" ><!--INTERIOR PRODUCT -->
<!ENTITY loplus	"⨭" ><!--PLUS SIGN IN LEFT HALF CIRCLE -->
<!ENTITY lotimes	"⨴" ><!--MULTIPLICATION SIGN IN LEFT HALF CIRCLE -->
<!ENTITY lthree	"⋋" ><!--LEFT SEMIDIRECT PRODUCT -->
<!ENTITY ltimes	"⋉" ><!--LEFT NORMAL FACTOR SEMIDIRECT PRODUCT -->
<!ENTITY midast	"*" ><!--ASTERISK -->
<!ENTITY minusb	"⊟" ><!--SQUARED MINUS -->
<!ENTITY minusd	"∸" ><!--DOT MINUS -->
<!ENTITY minusdu	"⨪" ><!--MINUS SIGN WITH DOT BELOW -->
<!ENTITY ncap	"⩃" ><!--INTERSECTION WITH OVERBAR -->
<!ENTITY ncup	"⩂" ><!--UNION WITH OVERBAR -->
<!ENTITY oast	"⊛" ><!--CIRCLED ASTERISK OPERATOR -->
<!ENTITY ocir	"⊚" ><!--CIRCLED RING OPERATOR -->
<!ENTITY odash	"⊝" ><!--CIRCLED DASH -->
<!ENTITY odiv	"⨸" ><!--CIRCLED DIVISION SIGN -->
<!ENTITY odot	"⊙" ><!--CIRCLED DOT OPERATOR -->

<!ENTITY odsold	"⦼" ><!--CIRCLED ANTICLOCKWISE-ROTATED DIVISION SIGN -->
<!ENTITY ofcir	"⦿" ><!--CIRCLED BULLET -->
<!ENTITY ogt	"⧁" ><!--CIRCLED GREATER-THAN -->
<!ENTITY ohbar	"⦵" ><!--CIRCLE WITH HORIZONTAL BAR -->
<!ENTITY olcir	"⦾" ><!--CIRCLED WHITE BULLET -->
<!ENTITY olt	"⧀" ><!--CIRCLED LESS-THAN -->
<!ENTITY omid	"⦶" ><!--CIRCLED VERTICAL BAR -->
<!ENTITY ominus	"⊖" ><!--CIRCLED MINUS -->
<!ENTITY opar	"⦷" ><!--CIRCLED PARALLEL -->
<!ENTITY operp	"⦹" ><!--CIRCLED PERPENDICULAR -->
<!ENTITY oplus	"⊕" ><!--CIRCLED PLUS -->
<!ENTITY osol	"⊘" ><!--CIRCLED DIVISION SLASH -->
<!ENTITY otimes	"⊗" ><!--CIRCLED TIMES -->
<!ENTITY Otimes	"⨷" ><!--MULTIPLICATION SIGN IN DOUBLE CIRCLE -->
<!ENTITY otimesas	"⨶" ><!--CIRCLED MULTIPLICATION SIGN WITH CIRCUMFLEX ACCENT -->
<!ENTITY ovbar	"⌽" ><!--APL FUNCTIONAL SYMBOL CIRCLE STILE -->
<!ENTITY plusacir	"⨣" ><!--PLUS SIGN WITH CIRCUMFLEX ACCENT ABOVE -->
<!ENTITY plusb	"⊞" ><!--SQUARED PLUS -->
<!ENTITY pluscir	"⨢" ><!--PLUS SIGN WITH SMALL CIRCLE ABOVE -->
<!ENTITY plusdo	"∔" ><!--DOT PLUS -->
<!ENTITY plusdu	"⨥" ><!--PLUS SIGN WITH DOT BELOW -->
<!ENTITY pluse	"⩲" ><!--PLUS SIGN ABOVE EQUALS SIGN -->
<!ENTITY plussim	"⨦" ><!--PLUS SIGN WITH TILDE BELOW -->
<!ENTITY plustwo	"⨧" ><!--PLUS SIGN WITH SUBSCRIPT TWO -->
<!ENTITY prod	"∏" ><!--N-ARY PRODUCT -->
<!ENTITY race	"∽̱" ><!--REVERSED TILDE with underline -->
<!ENTITY roplus	"⨮" ><!--PLUS SIGN IN RIGHT HALF CIRCLE -->
<!ENTITY rotimes	"⨵" ><!--MULTIPLICATION SIGN IN RIGHT HALF CIRCLE -->
<!ENTITY rthree	"⋌" ><!--RIGHT SEMIDIRECT PRODUCT -->
<!ENTITY rtimes	"⋊" ><!--RIGHT NORMAL FACTOR SEMIDIRECT PRODUCT -->
<!ENTITY sdot	"⋅" ><!--DOT OPERATOR -->
<!ENTITY sdotb	"⊡" ><!--SQUARED DOT OPERATOR -->
<!ENTITY setmn	"∖" ><!--SET MINUS -->
<!ENTITY simplus	"⨤" ><!--PLUS SIGN WITH TILDE ABOVE -->
<!ENTITY smashp	"⨳" ><!--SMASH PRODUCT -->
<!ENTITY solb	"⧄" ><!--SQUARED RISING DIAGONAL SLASH -->
<!ENTITY sqcap	"⊓" ><!--SQUARE CAP -->
<!ENTITY sqcaps	"⊓︀" ><!--SQUARE CAP with serifs -->
<!ENTITY sqcup	"⊔" ><!--SQUARE CUP -->
<!ENTITY sqcups	"⊔︀" ><!--SQUARE CUP with serifs -->
<!ENTITY ssetmn	"∖" ><!--SET MINUS -->
<!ENTITY sstarf	"⋆" ><!--STAR OPERATOR -->
<!ENTITY subset	"⪽" ><!--SUBSET WITH DOT -->
<!ENTITY sum	"∑" ><!--N-ARY SUMMATION -->
<!ENTITY supdot	"⪾" ><!--SUPERSET WITH DOT -->
<!ENTITY timesb	"⊠" ><!--SQUARED TIMES -->
<!ENTITY timesbar	"⨱" ><!--MULTIPLICATION SIGN WITH UNDERBAR -->

<!ENTITY timesd	"⨰" ><!--MULTIPLICATION SIGN WITH DOT ABOVE -->
<!ENTITY tridot	"◬" ><!--WHITE UP-POINTING TRIANGLE WITH DOT -->
<!ENTITY triminus	"⨺" ><!--MINUS SIGN IN TRIANGLE -->
<!ENTITY triplus	"⨹" ><!--PLUS SIGN IN TRIANGLE -->
<!ENTITY trisb	"⧍" ><!--TRIANGLE WITH SERIFS AT BOTTOM -->
<!ENTITY tritime	"⨻" ><!--MULTIPLICATION SIGN IN TRIANGLE -->
<!ENTITY uplus	"⊎" ><!--MULTISET UNION -->
<!ENTITY veebar	"⊻" ><!--XOR -->
<!ENTITY wedbar	"⩟" ><!--LOGICAL AND WITH UNDERBAR -->
<!ENTITY wreath	"≀" ><!--WREATH PRODUCT -->
<!ENTITY xcap	"⋂" ><!--N-ARY INTERSECTION -->
<!ENTITY xcirc	"◯" ><!--LARGE CIRCLE -->
<!ENTITY xcup	"⋃" ><!--N-ARY UNION -->
<!ENTITY xdtri	"▽" ><!--WHITE DOWN-POINTING TRIANGLE -->
<!ENTITY xodot	"⨀" ><!--N-ARY CIRCLED DOT OPERATOR -->
<!ENTITY xoplus	"⨁" ><!--N-ARY CIRCLED PLUS OPERATOR -->
<!ENTITY xotime	"⨂" ><!--N-ARY CIRCLED TIMES OPERATOR -->
<!ENTITY xsqcup	"⨆" ><!--N-ARY SQUARE UNION OPERATOR -->
<!ENTITY xuplus	"⨄" ><!--N-ARY UNION OPERATOR WITH PLUS -->
<!ENTITY xutri	"△" ><!--WHITE UP-POINTING TRIANGLE -->
<!ENTITY xvee	"⋁" ><!--N-ARY LOGICAL OR -->
<!ENTITY xwedge	"⋀" ><!--N-ARY LOGICAL AND -->

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/mathml/mathml3/isoamsb.ent
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML QName Module ..... -->
<!-- file: xhtml-qname-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.
 Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
 Revision: \$Id: xhtml-qname-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES XHTML Qualified Names 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-qname-1.mod"
```

Revisions:
 #2000-10-22: added qname declarations for ruby elements
 -->

```
<!-- XHTML QName (Qualified Name) Module
```

This module is contained in two parts, labeled Section 'A' and 'B':

Section A declares parameter entities to support namespace-qualified names, namespace declarations, and name prefixing for XHTML and extensions.

Section B declares parameter entities used to provide namespace-qualified names for all XHTML element types:

```
%applet.qname;  the xmlns-qualified name for <applet>
%base.qname;   the xmlns-qualified name for <base>
...
```

XHTML extensions would create a module similar to this one. Included in the XHTML distribution is a template module ('template-qname-1.mod') suitable for this purpose.

-->

<!-- Section A: XHTML XML Namespace Framework :::::::::::::::::::: -->

<!-- 1. Declare a %XHTML.prefixed; conditional section keyword, used to activate namespace prefixing. The default value should inherit '%NS.prefixed;' from the DTD driver, so that unless overridden, the default behaviour follows the overall DTD prefixing scheme.

-->

```
<!ENTITY % NS.prefixed "IGNORE" >
<!ENTITY % XHTML.prefixed "%NS.prefixed;" >
```

<!-- By default, we always permit XHTML attribute collections to have namespace-qualified prefixes as well.

-->

```
<!ENTITY % XHTML.global.attrs.prefixed "INCLUDE" >
<!-- By default, we allow the XML Schema attributes on the root element.
```

-->

```
<!ENTITY % XHTML.xsi.attrs "INCLUDE" >
```

<!-- 2. Declare a parameter entity (eg., %XHTML.xmlns;) containing the URI reference used to identify the XHTML namespace:

-->

```
<!ENTITY % XHTML.xmlns "http://www.w3.org/1999/xhtml" >
```

<!-- 3. Declare parameter entities (eg., %XHTML.prefix;) containing the default namespace prefix string(s) to use when prefixing is enabled. This may be overridden in the DTD driver or the internal subset of an document instance. If no default prefix is desired, this may be declared as an empty string.

NOTE: As specified in [XMLNAMES], the namespace prefix serves as a proxy for the URI reference, and is not in itself significant.

-->

```
<!ENTITY % XHTML.prefix "xhtml" >
```

<!-- 4. Declare parameter entities (eg., %XHTML.pfx;) containing the colonized prefix(es) (eg., %XHTML.prefix;') used when prefixing is active, an empty string when it is not.

-->

```
<![%XHTML.prefixed;[
```

```
<!ENTITY % XHTML.pfx "%XHTML.prefix;:" >
```

```
]]>
```

```
<!ENTITY % XHTML.pfx "" >
```

<!-- declare qualified name extensions here -->

```
<!ENTITY % xhtml-qname-extra.mod "" >
```

```
%xhtml-qname-extra.mod;
```

<!-- 5. The parameter entity %XHTML.xmlns.extra.attrib; may be redeclared to contain any non-XHTML namespace declaration attributes for namespaces embedded in XHTML. The default is an empty string. XLink should be included here if used in the DTD.

-->

```
<!ENTITY % XHTML.xmlns.extra.attrib "" >
```

<!-- The remainder of Section A is only followed in XHTML, not extensions. -->

<!-- Declare a parameter entity %NS.decl.attrib; containing all XML Namespace declarations used in the DTD, plus the xmlns declaration for XHTML, its form dependent on whether prefixing is active.

-->

```
<!ENTITY % XHTML.xmlns.attrib.prefixed
```

```
"xmlns:%XHTML.prefix; %URI.datatype; #FIXED '%XHTML.xmlns;'"
```

```
>
```

```
<![%XHTML.prefixed;[
```

```
<!ENTITY % NS.decl.attrib
```

```
"%XHTML.xmlns.attrib.prefixed;
```

```
%XHTML.xmlns.extra.attrib;"
```

```
>
```

```
]]>
```

```
<!ENTITY % NS.decl.attrib
```

```
"%XHTML.xmlns.extra.attrib;"
```

```
>
```

<!-- Declare a parameter entity %XSI.prefix as a prefix to use for XML Schema Instance attributes.

```

-->
<!ENTITY % XSI.prefix "xsi" >

<!ENTITY % XSI.xmlns "http://www.w3.org/2001/XMLSchema-instance" >

<!-- Declare a parameter entity %XSI.xmlns.attrib as support for the
      schemaLocation attribute, since this is legal throughout the DTD.
-->
<!ENTITY % XSI.xmlns.attrib
      "xmlns:%XSI.prefix; %URI.datatype; #FIXED '%XSI.xmlns;'" >

<!-- This is a placeholder for future XLink support.
-->
<!ENTITY % XLINK.xmlns.attrib "" >

<!-- This is the attribute for the XML Schema namespace - XHTML
      Modularization is also expressed in XML Schema, and it needs to
      be legal to declare the XML Schema namespace and the
      schemaLocation attribute on the root element of XHTML family
      documents.
-->
<![%XHTML.xsi.attrs;[
<!ENTITY % XSI.prefix "xsi" >
<!ENTITY % XSI.pfx "%XSI.prefix;:" >
<!ENTITY % XSI.xmlns "http://www.w3.org/2001/XMLSchema-instance" >

<!ENTITY % XSI.xmlns.attrib
      "xmlns:%XSI.prefix; %URI.datatype; #FIXED '%XSI.xmlns;'"
>
]]>
<!ENTITY % XSI.prefix "" >
<!ENTITY % XSI.pfx "" >
<!ENTITY % XSI.xmlns.attrib "" >

<!-- Declare a parameter entity %NS.decl.attrib; containing all
      XML namespace declaration attributes used by XHTML, including
      a default xmlns attribute when prefixing is inactive.
-->
<![%XHTML.prefixed;[
<!ENTITY % XHTML.xmlns.attrib
      "%NS.decl.attrib;
      %XSI.xmlns.attrib;
      %XLINK.xmlns.attrib;"
>
]]>
<!ENTITY % XHTML.xmlns.attrib
      "xmlns %URI.datatype; #FIXED '%XHTML.xmlns;'"

```

```

    %NS.decl.attrib;
    %XSI.xmlns.attrib;
    %XLINK.xmlns.attrib;"
>

<!-- placeholder for qualified name redeclarations -->
<!ENTITY % xhtml-qname.redecl "" >
%xhtml-qname.redecl;

<!-- Section B: XHTML Qualified Names :::::::::::::::::::::::::::: -->

<!-- 6. This section declares parameter entities used to provide
     namespace-qualified names for all XHTML element types.
-->

<!-- module: xhtml-applet-1.mod -->
<!ENTITY % applet.qname "%XHTML.pfx;applet" >

<!-- module: xhtml-base-1.mod -->
<!ENTITY % base.qname "%XHTML.pfx;base" >

<!-- module: xhtml-bdo-1.mod -->
<!ENTITY % bdo.qname "%XHTML.pfx;bdo" >

<!-- module: xhtml-blkphras-1.mod -->
<!ENTITY % address.qname "%XHTML.pfx;address" >
<!ENTITY % blockquote.qname "%XHTML.pfx;blockquote" >
<!ENTITY % pre.qname "%XHTML.pfx;pre" >
<!ENTITY % h1.qname "%XHTML.pfx;h1" >
<!ENTITY % h2.qname "%XHTML.pfx;h2" >
<!ENTITY % h3.qname "%XHTML.pfx;h3" >
<!ENTITY % h4.qname "%XHTML.pfx;h4" >
<!ENTITY % h5.qname "%XHTML.pfx;h5" >
<!ENTITY % h6.qname "%XHTML.pfx;h6" >

<!-- module: xhtml-blkpres-1.mod -->
<!ENTITY % hr.qname "%XHTML.pfx;hr" >

<!-- module: xhtml-blkstruct-1.mod -->
<!ENTITY % div.qname "%XHTML.pfx;div" >
<!ENTITY % p.qname "%XHTML.pfx;p" >

<!-- module: xhtml-edit-1.mod -->
<!ENTITY % ins.qname "%XHTML.pfx;ins" >
<!ENTITY % del.qname "%XHTML.pfx;del" >

<!-- module: xhtml-form-1.mod -->
<!ENTITY % form.qname "%XHTML.pfx;form" >

```

```
<!ENTITY % label.qname "%XHTML.pfx;label" >
<!ENTITY % input.qname "%XHTML.pfx;input" >
<!ENTITY % select.qname "%XHTML.pfx;select" >
<!ENTITY % optgroup.qname "%XHTML.pfx;optgroup" >
<!ENTITY % option.qname "%XHTML.pfx;option" >
<!ENTITY % textarea.qname "%XHTML.pfx;textarea" >
<!ENTITY % fieldset.qname "%XHTML.pfx;fieldset" >
<!ENTITY % legend.qname "%XHTML.pfx;legend" >
<!ENTITY % button.qname "%XHTML.pfx;button" >
```

```
<!-- module: xhtml-hypertext-1.mod -->
<!ENTITY % a.qname "%XHTML.pfx;a" >
```

```
<!-- module: xhtml-image-1.mod -->
<!ENTITY % img.qname "%XHTML.pfx;img" >
```

```
<!-- module: xhtml-inlphras-1.mod -->
<!ENTITY % abbr.qname "%XHTML.pfx;abbr" >
<!ENTITY % acronym.qname "%XHTML.pfx;acronym" >
<!ENTITY % cite.qname "%XHTML.pfx;cite" >
<!ENTITY % code.qname "%XHTML.pfx;code" >
<!ENTITY % dfn.qname "%XHTML.pfx;dfn" >
<!ENTITY % em.qname "%XHTML.pfx;em" >
<!ENTITY % kbd.qname "%XHTML.pfx;kbd" >
<!ENTITY % q.qname "%XHTML.pfx;q" >
<!ENTITY % samp.qname "%XHTML.pfx;samp" >
<!ENTITY % strong.qname "%XHTML.pfx;strong" >
<!ENTITY % var.qname "%XHTML.pfx;var" >
```

```
<!-- module: xhtml-inlpres-1.mod -->
<!ENTITY % b.qname "%XHTML.pfx;b" >
<!ENTITY % big.qname "%XHTML.pfx;big" >
<!ENTITY % i.qname "%XHTML.pfx;i" >
<!ENTITY % small.qname "%XHTML.pfx;small" >
<!ENTITY % sub.qname "%XHTML.pfx;sub" >
<!ENTITY % sup.qname "%XHTML.pfx;sup" >
<!ENTITY % tt.qname "%XHTML.pfx;tt" >
```

```
<!-- module: xhtml-inlstruct-1.mod -->
<!ENTITY % br.qname "%XHTML.pfx;br" >
<!ENTITY % span.qname "%XHTML.pfx;span" >
```

```
<!-- module: xhtml-ismap-1.mod (also csismap, ssismap) -->
<!ENTITY % map.qname "%XHTML.pfx;map" >
<!ENTITY % area.qname "%XHTML.pfx;area" >
```

```
<!-- module: xhtml-link-1.mod -->
<!ENTITY % link.qname "%XHTML.pfx;link" >
```

```
<!-- module: xhtml-list-1.mod -->
<!ENTITY % dl.qname    "%XHTML.pfx;dl" >
<!ENTITY % dt.qname    "%XHTML.pfx;dt" >
<!ENTITY % dd.qname    "%XHTML.pfx;dd" >
<!ENTITY % ol.qname    "%XHTML.pfx;ol" >
<!ENTITY % ul.qname    "%XHTML.pfx;ul" >
<!ENTITY % li.qname    "%XHTML.pfx;li" >

<!-- module: xhtml-meta-1.mod -->
<!ENTITY % meta.qname  "%XHTML.pfx;meta" >

<!-- module: xhtml-param-1.mod -->
<!ENTITY % param.qname "%XHTML.pfx;param" >

<!-- module: xhtml-object-1.mod -->
<!ENTITY % object.qname "%XHTML.pfx;object" >

<!-- module: xhtml-script-1.mod -->
<!ENTITY % script.qname "%XHTML.pfx;script" >
<!ENTITY % noscript.qname "%XHTML.pfx;noscript" >

<!-- module: xhtml-struct-1.mod -->
<!ENTITY % html.qname   "%XHTML.pfx;html" >
<!ENTITY % head.qname  "%XHTML.pfx;head" >
<!ENTITY % title.qname "%XHTML.pfx;title" >
<!ENTITY % body.qname  "%XHTML.pfx;body" >

<!-- module: xhtml-style-1.mod -->
<!ENTITY % style.qname  "%XHTML.pfx;style" >

<!-- module: xhtml-table-1.mod -->
<!ENTITY % table.qname  "%XHTML.pfx;table" >
<!ENTITY % caption.qname "%XHTML.pfx;caption" >
<!ENTITY % thead.qname  "%XHTML.pfx;thead" >
<!ENTITY % tfoot.qname  "%XHTML.pfx;tfoot" >
<!ENTITY % tbody.qname  "%XHTML.pfx;tbody" >
<!ENTITY % colgroup.qname "%XHTML.pfx;colgroup" >
<!ENTITY % col.qname    "%XHTML.pfx;col" >
<!ENTITY % tr.qname     "%XHTML.pfx;tr" >
<!ENTITY % th.qname     "%XHTML.pfx;th" >
<!ENTITY % td.qname     "%XHTML.pfx;td" >

<!-- module: xhtml-ruby-1.mod -->

<!ENTITY % ruby.qname   "%XHTML.pfx;ruby" >
<!ENTITY % rbc.qname    "%XHTML.pfx;rbc" >
<!ENTITY % rtc.qname    "%XHTML.pfx;rtc" >
```

<!ENTITY % rb.qname "%XHTML.pfx;rb" >

<!ENTITY % rt.qname "%XHTML.pfx;rt" >

<!ENTITY % rp.qname "%XHTML.pfx;rp" >

<!-- Provisional XHTML 2.0 Qualified Names -->

<!-- module: xhtml-image-2.mod -->

<!ENTITY % alt.qname "%XHTML.pfx;alt" >

<!-- end of xhtml-qname-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/xhtml11/xhtml-qname-1.mod

No license file was found, but licenses were detected in source scan.

<!-- -->

<!-- XHTML Embedded Object Module -->

<!-- file: xhtml-object-1.mod

This is XHTML, a reformulation of HTML as a modular XML application.

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Revision: \$Id: xhtml-object-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ELEMENTS XHTML Embedded Object 1.0//EN"

SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-object-1.mod"

Revisions:

(none)

..... -->

<!-- Embedded Objects

object

This module declares the object element type and its attributes, used to embed external objects as part of XHTML pages. In the document, place param elements prior to other content within the object element.

Note that use of this module requires instantiation of the Param Element Module.

-->

<!-- object: Generic Embedded Object -->

<!ENTITY % object.element "INCLUDE" >

```

<![%object.element;[
<!ENTITY % object.content
    "( #PCDATA | %Flow.mix; | %param.qname; )*"
>
<!ENTITY % object.qname "object" >
<!ELEMENT %object.qname; %object.content; >
<!-- end of object.element -->]]>

```

```

<!ENTITY % object.attlist "INCLUDE" >
<![%object.attlist;[
<!ATTLIST %object.qname;
    %Common.attrib;
    declare ( declare ) #IMPLIED
    classid %URI.datatype; #IMPLIED
    codebase %URI.datatype; #IMPLIED
    data %URI.datatype; #IMPLIED
    type %ContentType.datatype; #IMPLIED
    codetype %ContentType.datatype; #IMPLIED
    archive %URIs.datatype; #IMPLIED
    standby %Text.datatype; #IMPLIED
    height %Length.datatype; #IMPLIED
    width %Length.datatype; #IMPLIED
    name CDATA #IMPLIED
    tabindex %Number.datatype; #IMPLIED
>
<!-- end of object.attlist -->]]>

```

<!-- end of xhtml-object-1.mod -->

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-object-1.mod

```

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```

<!-- ..... -->
<!-- XHTML Server-side Image Map Module ..... -->
<!-- file: xhtml-ssismap-1.mod

```

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 Revision: \$Id: xhtml-ssismap-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```

PUBLIC "-//W3C//ELEMENTS XHTML Server-side Image Maps 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-ssismap-1.mod"

```

Revisions:

#2000-10-22: added declaration for 'ismap' on <input>

..... -->

<!-- Server-side Image Maps

This adds the 'ismap' attribute to the img and input elements
to support server-side processing of a user selection.

-->

```
<!ATTLIST %img.qname;
  ismap    ( ismap )      #IMPLIED
>
```

```
<!ATTLIST %input.qname;
  ismap    ( ismap )      #IMPLIED
>
```

<!-- end of xhtml-ssismap-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-ssismap-1.mod

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<!-- -->

<!-- XHTML BDO Element Module -->

<!-- file: xhtml-bdo-1.mod

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Revision: \$Id: xhtml-bdo-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML BDO Element 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-bdo-1.mod"
```

Revisions:

(none)

..... -->

<!-- Bidirectional Override (bdo) Element

This module declares the element 'bdo', used to override the
Unicode bidirectional algorithm for selected fragments of text.

DEPENDENCIES:

Relies on the conditional section keyword %XHTML.bidi; declared

as "INCLUDE". Bidirectional text support includes both the bdo element and the 'dir' attribute.

-->

```
<!ENTITY % bdo.element "INCLUDE" >
<![%bdo.element;[
<!ENTITY % bdo.content
  "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % bdo.qname "bdo" >
<!ELEMENT %bdo.qname; %bdo.content; >
<!-- end of bdo.element -->]]>
```

```
<!ENTITY % bdo.attlist "INCLUDE" >
<![%bdo.attlist;[
<!ATTLIST %bdo.qname;
  %Core.attrib;
  xml:lang %LanguageCode.datatype; #IMPLIED
  dir      ( ltr | rtl )      #REQUIRED
>
]]>
```

<!-- end of xhtml-bdo-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/xhtml11/xhtml-bdo-1.mod

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Revision: \$Id: mathml2

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/mathml/mathml2/mathml2-a.dtd

No license file was found, but licenses were detected in source scan.

<!--

File isoamsa.ent produced by the XSL script entities.xml
from input data in unicode.xml.

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Please report any errors to David Carlisle
via the public W3C list www-math@w3.org.

The numeric character values assigned to each entity
(should) match the Unicode assignments in Unicode 5.x.

Entity names in this file are derived from files carrying the
following notice:

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ISO 8879, provided this notice is included in all copies.

-->

<!--

Public identifier: `-//W3C//ENTITIES Added Math Symbols: Arrow Relations//EN//XML`
System identifier: `http://www.w3.org/2003/entities/2007/isoamsa.ent`

The public identifier should always be used verbatim.
The system identifier may be changed to suit local requirements.

Typical invocation:

```
<!ENTITY % isoamsa PUBLIC
  "-//W3C//ENTITIES Added Math Symbols: Arrow Relations//EN//XML"
  "http://www.w3.org/2003/entities/2007/isoamsa.ent"
>
%isoamsa;
```

-->

<!ENTITY angzarr "⍼" ><!--RIGHT ANGLE WITH DOWNWARDS ZIGZAG ARROW -->

<!ENTITY cirmid "⫯" ><!--VERTICAL LINE WITH CIRCLE ABOVE -->
 <!ENTITY cudarrl "⤸" ><!--RIGHT-SIDE ARC CLOCKWISE ARROW -->
 <!ENTITY cudarr "⤵" ><!--ARROW POINTING RIGHTWARDS THEN CURVING
 DOWNWARDS -->
 <!ENTITY cularr "↶" ><!--ANTICLOCKWISE TOP SEMICIRCLE ARROW -->
 <!ENTITY cularrp "⤽" ><!--TOP ARC ANTICLOCKWISE ARROW WITH PLUS -->
 <!ENTITY curarr "↷" ><!--CLOCKWISE TOP SEMICIRCLE ARROW -->
 <!ENTITY curarrm "⤼" ><!--TOP ARC CLOCKWISE ARROW WITH MINUS -->
 <!ENTITY dArr "⇓" ><!--DOWNWARDS DOUBLE ARROW -->
 <!ENTITY Darr "↡" ><!--DOWNWARDS TWO HEADED ARROW -->
 <!ENTITY ddarr "⇊" ><!--DOWNWARDS PAIRED ARROWS -->
 <!ENTITY DDottrahd "⤑" ><!--RIGHTWARDS ARROW WITH DOTTED STEM -->
 <!ENTITY dfisht "⥿" ><!--DOWN FISH TAIL -->
 <!ENTITY dHar "⥥" ><!--DOWNWARDS HARPOON WITH BARB LEFT BESIDE
 DOWNWARDS HARPOON WITH BARB RIGHT -->
 <!ENTITY dharl "⇃" ><!--DOWNWARDS HARPOON WITH BARB LEFTWARDS -->
 <!ENTITY dharr "⇂" ><!--DOWNWARDS HARPOON WITH BARB RIGHTWARDS -->
 <!ENTITY duarr "⇵" ><!--DOWNWARDS ARROW LEFTWARDS OF UPWARDS ARROW -->
 <!ENTITY duhar "⥯" ><!--DOWNWARDS HARPOON WITH BARB LEFT BESIDE
 UPWARDS HARPOON WITH BARB RIGHT -->
 <!ENTITY dzigrarr "⟿" ><!--LONG RIGHTWARDS SQUIGGLE ARROW -->
 <!ENTITY erarr "⥱" ><!--EQUALS SIGN ABOVE RIGHTWARDS ARROW -->
 <!ENTITY harr "↔" ><!--LEFT RIGHT ARROW -->
 <!ENTITY hArr "⇔" ><!--LEFT RIGHT DOUBLE ARROW -->
 <!ENTITY harrcir "⥈" ><!--LEFT RIGHT ARROW THROUGH SMALL CIRCLE -->
 <!ENTITY harrw "↭" ><!--LEFT RIGHT WAVE ARROW -->
 <!ENTITY hoarr "⇿" ><!--LEFT RIGHT OPEN-HEADED ARROW -->
 <!ENTITY imof "⊷" ><!--IMAGE OF -->
 <!ENTITY lAarr "⇚" ><!--LEFTWARDS TRIPLE ARROW -->
 <!ENTITY Larr "↞" ><!--LEFTWARDS TWO HEADED ARROW -->
 <!ENTITY larrbfs "⤟" ><!--LEFTWARDS ARROW FROM BAR TO BLACK DIAMOND -->
 <!ENTITY larrfs "⤝" ><!--LEFTWARDS ARROW TO BLACK DIAMOND -->
 <!ENTITY larrhk "↩" ><!--LEFTWARDS ARROW WITH HOOK -->
 <!ENTITY larrlp "↫" ><!--LEFTWARDS ARROW WITH LOOP -->
 <!ENTITY larrpl "⤹" ><!--LEFT-SIDE ARC ANTICLOCKWISE ARROW -->
 <!ENTITY larrsim "⥳" ><!--LEFTWARDS ARROW ABOVE TILDE OPERATOR -->
 <!ENTITY lartrl "↢" ><!--LEFTWARDS ARROW WITH TAIL -->
 <!ENTITY latail "⤙" ><!--LEFTWARDS ARROW-TAIL -->
 <!ENTITY lAtail "⤛" ><!--LEFTWARDS DOUBLE ARROW-TAIL -->
 <!ENTITY lbarr "⤌" ><!--LEFTWARDS DOUBLE DASH ARROW -->
 <!ENTITY lBarr "⤎" ><!--LEFTWARDS TRIPLE DASH ARROW -->
 <!ENTITY ldca "⤶" ><!--ARROW POINTING DOWNWARDS THEN CURVING
 LEFTWARDS -->
 <!ENTITY ldrdhar "⥧" ><!--LEFTWARDS HARPOON WITH BARB DOWN ABOVE
 RIGHTWARDS HARPOON WITH BARB DOWN -->
 <!ENTITY ldrushar "⥋" ><!--LEFT BARB DOWN RIGHT BARB UP HARPOON -->
 <!ENTITY ldsh "↲" ><!--DOWNWARDS ARROW WITH TIP LEFTWARDS -->
 <!ENTITY lfishht "⥼" ><!--LEFT FISH TAIL -->

<!ENTITY lHar "⥢" ><!--LEFTWARDS HARPOON WITH BARB UP ABOVE LEFTWARDS HARPOON WITH BARB DOWN -->
 <!ENTITY lhard "↽" ><!--LEFTWARDS HARPOON WITH BARB DOWNWARDS -->
 <!ENTITY lharu "↼" ><!--LEFTWARDS HARPOON WITH BARB UPWARDS -->
 <!ENTITY lharul "⥪" ><!--LEFTWARDS HARPOON WITH BARB UP ABOVE LONG DASH -->
 <!ENTITY llarr "⇇" ><!--LEFTWARDS PAIRED ARROWS -->
 <!ENTITY llhard "⥫" ><!--LEFTWARDS HARPOON WITH BARB DOWN BELOW LONG DASH -->
 <!ENTITY loarr "⇽" ><!--LEFTWARDS OPEN-HEADED ARROW -->
 <!ENTITY lrarr "⇆" ><!--LEFTWARDS ARROW OVER RIGHTWARDS ARROW -->
 <!ENTITY lrhar "⇋" ><!--LEFTWARDS HARPOON OVER RIGHTWARDS HARPOON -->
 <!ENTITY lrhard "⥭" ><!--RIGHTWARDS HARPOON WITH BARB DOWN BELOW LONG DASH -->
 <!ENTITY lsh "↰" ><!--UPWARDS ARROW WITH TIP LEFTWARDS -->
 <!ENTITY lurdshar "⥊" ><!--LEFT BARB UP RIGHT BARB DOWN HARPOON -->
 <!ENTITY luruhar "⥦" ><!--LEFTWARDS HARPOON WITH BARB UP ABOVE RIGHTWARDS HARPOON WITH BARB UP -->
 <!ENTITY map "↦" ><!--RIGHTWARDS ARROW FROM BAR -->
 <!ENTITY Map "⤅" ><!--RIGHTWARDS TWO-HEADED ARROW FROM BAR -->
 <!ENTITY midcir "⫰" ><!--VERTICAL LINE WITH CIRCLE BELOW -->
 <!ENTITY mumap "⊸" ><!--MULTIMAP -->
 <!ENTITY nearhk "⤤" ><!--NORTH EAST ARROW WITH HOOK -->
 <!ENTITY nearr "↗" ><!--NORTH EAST ARROW -->
 <!ENTITY neArr "⇗" ><!--NORTH EAST DOUBLE ARROW -->
 <!ENTITY nesear "⤨" ><!--NORTH EAST ARROW AND SOUTH EAST ARROW -->
 <!ENTITY nharr "↮" ><!--LEFT RIGHT ARROW WITH STROKE -->
 <!ENTITY nhArr "⇎" ><!--LEFT RIGHT DOUBLE ARROW WITH STROKE -->
 <!ENTITY nlarr "↚" ><!--LEFTWARDS ARROW WITH STROKE -->
 <!ENTITY nlArr "⇍" ><!--LEFTWARDS DOUBLE ARROW WITH STROKE -->
 <!ENTITY nrarr "↛" ><!--RIGHTWARDS ARROW WITH STROKE -->
 <!ENTITY nrArr "⇏" ><!--RIGHTWARDS DOUBLE ARROW WITH STROKE -->
 <!ENTITY nrarrc slash "⤳̸" ><!--WAVE ARROW POINTING DIRECTLY RIGHT with slash -->
 <!ENTITY nrarrw "↝̸" ><!--RIGHTWARDS WAVE ARROW with slash -->
 <!ENTITY nvHarr "⤄" ><!--LEFT RIGHT DOUBLE ARROW WITH VERTICAL STROKE -->
 <!ENTITY nvlArr "⤂" ><!--LEFTWARDS DOUBLE ARROW WITH VERTICAL STROKE -->
 <!ENTITY nvrArr "⤃" ><!--RIGHTWARDS DOUBLE ARROW WITH VERTICAL STROKE -->
 <!ENTITY nwarhk "⤣" ><!--NORTH WEST ARROW WITH HOOK -->
 <!ENTITY nwarr "↖" ><!--NORTH WEST ARROW -->
 <!ENTITY nwArr "⇖" ><!--NORTH WEST DOUBLE ARROW -->
 <!ENTITY nwnear "⤧" ><!--NORTH WEST ARROW AND NORTH EAST ARROW -->
 <!ENTITY olarr "↺" ><!--ANTICLOCKWISE OPEN CIRCLE ARROW -->
 <!ENTITY orarr "↻" ><!--CLOCKWISE OPEN CIRCLE ARROW -->
 <!ENTITY origof "⊶" ><!--ORIGINAL OF -->
 <!ENTITY rAarr "⇛" ><!--RIGHTWARDS TRIPLE ARROW -->
 <!ENTITY Rarr "↠" ><!--RIGHTWARDS TWO HEADED ARROW -->
 <!ENTITY rarrap "⥵" ><!--RIGHTWARDS ARROW ABOVE ALMOST EQUAL TO -->

<!ENTITY rarrbfs	"⤠" ><!--RIGHTWARDS ARROW FROM BAR TO BLACK DIAMOND -->
<!ENTITY rarrc	"⤳" ><!--WAVE ARROW POINTING DIRECTLY RIGHT -->
<!ENTITY rarrfs	"⤞" ><!--RIGHTWARDS ARROW TO BLACK DIAMOND -->
<!ENTITY rarrhk	"↪" ><!--RIGHTWARDS ARROW WITH HOOK -->
<!ENTITY rarrlp	"↬" ><!--RIGHTWARDS ARROW WITH LOOP -->
<!ENTITY rarrpl	"⥅" ><!--RIGHTWARDS ARROW WITH PLUS BELOW -->
<!ENTITY rarrsim	"⥴" ><!--RIGHTWARDS ARROW ABOVE TILDE OPERATOR -->
<!ENTITY rarrtl	"↣" ><!--RIGHTWARDS ARROW WITH TAIL -->
<!ENTITY Rarrtl	"⤖" ><!--RIGHTWARDS TWO-HEADED ARROW WITH TAIL -->
<!ENTITY rarrw	"↝" ><!--RIGHTWARDS WAVE ARROW -->
<!ENTITY ratal	"⤚" ><!--RIGHTWARDS ARROW-TAIL -->
<!ENTITY rAtail	"⤜" ><!--RIGHTWARDS DOUBLE ARROW-TAIL -->
<!ENTITY rbarr	"⤍" ><!--RIGHTWARDS DOUBLE DASH ARROW -->
<!ENTITY rBarr	"⤏" ><!--RIGHTWARDS TRIPLE DASH ARROW -->
<!ENTITY RBarr	"⤐" ><!--RIGHTWARDS TWO-HEADED TRIPLE DASH ARROW -->
<!ENTITY rdca	"⤷" ><!--ARROW POINTING DOWNWARDS THEN CURVING
RIGHTWARDS -->	
<!ENTITY rlddhar	"⥩" ><!--RIGHTWARDS HARPOON WITH BARB DOWN ABOVE
LEFTWARDS HARPOON WITH BARB DOWN -->	
<!ENTITY rdsh	"↳" ><!--DOWNWARDS ARROW WITH TIP RIGHTWARDS -->
<!ENTITY rfish	"⥽" ><!--RIGHT FISH TAIL -->
<!ENTITY rHar	"⥤" ><!--RIGHTWARDS HARPOON WITH BARB UP ABOVE
RIGHTWARDS HARPOON WITH BARB DOWN -->	
<!ENTITY rhard	"⇁" ><!--RIGHTWARDS HARPOON WITH BARB DOWNWARDS -->
<!ENTITY rharu	"⇀" ><!--RIGHTWARDS HARPOON WITH BARB UPWARDS -->
<!ENTITY rharul	"⥬" ><!--RIGHTWARDS HARPOON WITH BARB UP ABOVE LONG DASH
-->	
<!ENTITY rlarr	"⇄" ><!--RIGHTWARDS ARROW OVER LEFTWARDS ARROW -->
<!ENTITY rlhar	"⇌" ><!--RIGHTWARDS HARPOON OVER LEFTWARDS HARPOON -->
<!ENTITY roarr	"⇾" ><!--RIGHTWARDS OPEN-HEADED ARROW -->
<!ENTITY rrarr	"⇉" ><!--RIGHTWARDS PAIRED ARROWS -->
<!ENTITY rsh	"↱" ><!--UPWARDS ARROW WITH TIP RIGHTWARDS -->
<!ENTITY ruluhar	"⥨" ><!--RIGHTWARDS HARPOON WITH BARB UP ABOVE
LEFTWARDS HARPOON WITH BARB UP -->	
<!ENTITY searhk	"⤥" ><!--SOUTH EAST ARROW WITH HOOK -->
<!ENTITY searr	"↘" ><!--SOUTH EAST ARROW -->
<!ENTITY seArr	"⇘" ><!--SOUTH EAST DOUBLE ARROW -->
<!ENTITY seswar	"⤩" ><!--SOUTH EAST ARROW AND SOUTH WEST ARROW -->
<!ENTITY simrarr	"⥲" ><!--TILDE OPERATOR ABOVE RIGHTWARDS ARROW -->
<!ENTITY slarr	"←" ><!--LEFTWARDS ARROW -->
<!ENTITY srarr	"→" ><!--RIGHTWARDS ARROW -->
<!ENTITY swarhk	"⤦" ><!--SOUTH WEST ARROW WITH HOOK -->
<!ENTITY swarr	"↙" ><!--SOUTH WEST ARROW -->
<!ENTITY swArr	"⇙" ><!--SOUTH WEST DOUBLE ARROW -->
<!ENTITY swnwar	"⤪" ><!--SOUTH WEST ARROW AND NORTH WEST ARROW -->
<!ENTITY uArr	"⇑" ><!--UPWARDS DOUBLE ARROW -->
<!ENTITY Uarr	"↟" ><!--UPWARDS TWO HEADED ARROW -->
<!ENTITY Uarroccir	"⥉" ><!--UPWARDS TWO-HEADED ARROW FROM SMALL CIRCLE -->

<!ENTITY udarr "⇅" ><!--UPWARDS ARROW LEFTWARDS OF DOWNWARDS ARROW -->
 >
 <!ENTITY udhar "⥮" ><!--UPWARDS HARPOON WITH BARB LEFT BESIDE
 DOWNWARDS HARPOON WITH BARB RIGHT -->
 <!ENTITY ufisht "⥾" ><!--UP FISH TAIL -->
 <!ENTITY uHar "⥣" ><!--UPWARDS HARPOON WITH BARB LEFT BESIDE UPWARDS
 HARPOON WITH BARB RIGHT -->
 <!ENTITY uharl "↿" ><!--UPWARDS HARPOON WITH BARB LEFTWARDS -->
 <!ENTITY uharr "↾" ><!--UPWARDS HARPOON WITH BARB RIGHTWARDS -->
 <!ENTITY uuarr "⇈" ><!--UPWARDS PAIRED ARROWS -->
 <!ENTITY varr "↕" ><!--UP DOWN ARROW -->
 <!ENTITY vArr "⇕" ><!--UP DOWN DOUBLE ARROW -->
 <!ENTITY xharr "⟷" ><!--LONG LEFT RIGHT ARROW -->
 <!ENTITY xhArr "⟺" ><!--LONG LEFT RIGHT DOUBLE ARROW -->
 <!ENTITY xlarr "⟵" ><!--LONG LEFTWARDS ARROW -->
 <!ENTITY xlArr "⟸" ><!--LONG LEFTWARDS DOUBLE ARROW -->
 <!ENTITY xmap "⟼" ><!--LONG RIGHTWARDS ARROW FROM BAR -->
 <!ENTITY xrarr "⟶" ><!--LONG RIGHTWARDS ARROW -->
 <!ENTITY xrArr "⟹" ><!--LONG RIGHTWARDS DOUBLE ARROW -->
 <!ENTITY zigrarr "⇝" ><!--RIGHTWARDS SQUIGGLE ARROW -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/mathml/mathml3/isoamsa.ent

No license file was found, but licenses were detected in source scan.

<!--

File mmlextra.ent produced by the XSL script entities.xml
 from input data in unicode.xml.

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Please report any errors to David Carlisle
 via the public W3C list www-math@w3.org.

The numeric character values assigned to each entity
 (should) match the Unicode assignments in Unicode 5.x.

-->

<!--

Public identifier: -//W3C//ENTITIES Additional MathML Symbols//EN//XML

System identifier: <http://www.w3.org/2003/entities/2007/mmlextra.ent>

The public identifier should always be used verbatim.

The system identifier may be changed to suit local requirements.

Typical invocation:

```
<!ENTITY % mmlextra PUBLIC
  "-//W3C//ENTITIES Additional MathML Symbols//EN//XML"
  "http://www.w3.org/2003/entities/2007/mmlextra.ent"
>
% mmlextra;

-->

<!ENTITY af      "&#x02061;" ><!--FUNCTION APPLICATION -->
<!ENTITY aopf    "&#x1D552;" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL A -->
<!ENTITY asympeq "&#x0224D;" ><!--EQUIVALENT TO -->
<!ENTITY bopf    "&#x1D553;" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL B -->
<!ENTITY copf    "&#x1D554;" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL C -->
<!ENTITY Cross   "&#x02A2F;" ><!--VECTOR OR CROSS PRODUCT -->
<!ENTITY dd      "&#x02146;" ><!--DOUBLE-STRUCK ITALIC SMALL D -->
<!ENTITY DD      "&#x02145;" ><!--DOUBLE-STRUCK ITALIC CAPITAL D -->
<!ENTITY dopf    "&#x1D555;" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL D -->
<!ENTITY DownArrowBar "&#x02913;" ><!--DOWNWARDS ARROW TO BAR -->
<!ENTITY DownBreve   "&#x00311;" ><!--COMBINING INVERTED BREVE -->
<!ENTITY DownLeftRightVector "&#x02950;" ><!--LEFT BARB DOWN RIGHT BARB DOWN HARPOON -->
<!ENTITY DownLeftTeeVector "&#x0295E;" ><!--LEFTWARDS HARPOON WITH BARB DOWN FROM BAR -->
<!ENTITY DownLeftVectorBar "&#x02956;" ><!--LEFTWARDS HARPOON WITH BARB DOWN TO BAR -->
<!ENTITY DownRightTeeVector "&#x0295F;" ><!--RIGHTWARDS HARPOON WITH BARB DOWN FROM BAR -->
<!ENTITY DownRightVectorBar "&#x02957;" ><!--RIGHTWARDS HARPOON WITH BARB DOWN TO BAR -->
<!ENTITY ee      "&#x02147;" ><!--DOUBLE-STRUCK ITALIC SMALL E -->
<!ENTITY EmptySmallSquare "&#x025FB;" ><!--WHITE MEDIUM SQUARE -->
<!ENTITY EmptyVerySmallSquare "&#x025AB;" ><!--WHITE SMALL SQUARE -->
<!ENTITY eopf    "&#x1D556;" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL E -->
<!ENTITY Equal   "&#x02A75;" ><!--TWO CONSECUTIVE EQUALS SIGNS -->
<!ENTITY FilledSmallSquare "&#x025FC;" ><!--BLACK MEDIUM SQUARE -->
<!ENTITY FilledVerySmallSquare "&#x025AA;" ><!--BLACK SMALL SQUARE -->
<!ENTITY fopf    "&#x1D557;" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL F -->
<!ENTITY gopf    "&#x1D558;" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL G -->
<!ENTITY GreaterGreater "&#x02AA2;" ><!--DOUBLE NESTED GREATER-THAN -->
<!ENTITY Hat     "&#x0005E;" ><!--CIRCUMFLEX ACCENT -->
<!ENTITY hopf    "&#x1D559;" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL H -->
<!ENTITY HorizontalLine "&#x02500;" ><!--BOX DRAWINGS LIGHT HORIZONTAL -->
<!ENTITY ic      "&#x02063;" ><!--INVISIBLE SEPARATOR -->
```


<!ENTITY ii "ⅈ" ><!--DOUBLE-STRUCK ITALIC SMALL I -->
 <!ENTITY iopf "𝕚" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL I -->
 <!ENTITY it "⁢" ><!--INVISIBLE TIMES -->
 <!ENTITY jopf "𝕛" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL J -->
 <!ENTITY kopf "𝕜" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL K -->
 <!ENTITY larrb "⇤" ><!--LEFTWARDS ARROW TO BAR -->
 <!ENTITY LeftDownTeeVector "⥡" ><!--DOWNWARDS HARPOON WITH BARB LEFT FROM BAR -->
 <!ENTITY LeftDownVectorBar "⥙" ><!--DOWNWARDS HARPOON WITH BARB LEFT TO BAR -->
 <!ENTITY LeftRightVector "⥎" ><!--LEFT BARB UP RIGHT BARB UP HARPOON -->
 <!ENTITY LeftTeeVector "⥚" ><!--LEFTWARDS HARPOON WITH BARB UP FROM BAR -->
 <!ENTITY LeftTriangleBar "⧏" ><!--LEFT TRIANGLE BESIDE VERTICAL BAR -->
 <!ENTITY LeftUpDownVector "⥑" ><!--UP BARB LEFT DOWN BARB LEFT HARPOON -->
 <!ENTITY LeftUpTeeVector "⥠" ><!--UPWARDS HARPOON WITH BARB LEFT FROM BAR -->
 <!ENTITY LeftUpVectorBar "⥘" ><!--UPWARDS HARPOON WITH BARB LEFT TO BAR -->
 <!ENTITY LeftVectorBar "⥒" ><!--LEFTWARDS HARPOON WITH BARB UP TO BAR -->
 <!ENTITY LessLess "⪡" ><!--DOUBLE NESTED LESS-THAN -->
 <!ENTITY lopf "𝕝" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL L -->
 <!ENTITY mapstodown "↧" ><!--DOWNWARDS ARROW FROM BAR -->
 <!ENTITY mapstoleft "↤" ><!--LEFTWARDS ARROW FROM BAR -->
 <!ENTITY mapstoup "↥" ><!--UPWARDS ARROW FROM BAR -->
 <!ENTITY MediumSpace " " ><!--MEDIUM MATHEMATICAL SPACE -->
 <!ENTITY mopf "𝕞" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL M -->
 <!ENTITY nbump "≎̸" ><!--GEOMETRICALLY EQUIVALENT TO with slash -->
 <!ENTITY nbumpe "≏̸" ><!--DIFFERENCE BETWEEN with slash -->
 <!ENTITY nesim "≂̸" ><!--MINUS TILDE with slash -->
 <!ENTITY NewLine "
" ><!--LINE FEED (LF) -->
 <!ENTITY NoBreak "⁠" ><!--WORD JOINER -->
 <!ENTITY nopf "𝕟" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL N -->
 <!ENTITY NotCupCap "≭" ><!--NOT EQUIVALENT TO -->
 <!ENTITY NotHumpEqual "≏̸" ><!--DIFFERENCE BETWEEN with slash -->
 <!ENTITY NotLeftTriangleBar "⧏̸" ><!--LEFT TRIANGLE BESIDE VERTICAL BAR with slash -->
 <!ENTITY NotNestedGreaterGreater "⪢̸" ><!--DOUBLE NESTED GREATER-THAN with slash -->
 <!ENTITY NotNestedLessLess "⪡̸" ><!--DOUBLE NESTED LESS-THAN with slash -->
 <!ENTITY NotRightTriangleBar "⧐̸" ><!--VERTICAL BAR BESIDE RIGHT TRIANGLE with slash -->
 <!ENTITY NotSquareSubset "⊏̸" ><!--SQUARE IMAGE OF with slash -->
 <!ENTITY NotSquareSuperset "⊐̸" ><!--SQUARE ORIGINAL OF with slash -->
 <!ENTITY NotSucceedsTilde "≿̸" ><!--SUCCEEDS OR EQUIVALENT TO with slash -->
 <!ENTITY oopf "𝕠" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL O -->
 <!ENTITY OverBar "‾" ><!--OVERLINE -->
 <!ENTITY OverBrace "⏞" ><!--TOP CURLY BRACKET -->
 <!ENTITY OverBracket "⎴" ><!--TOP SQUARE BRACKET -->
 <!ENTITY OverParenthesis "⏜" ><!--TOP PARENTHESIS -->
 <!ENTITY planckh "ℎ" ><!--PLANCK CONSTANT -->
 <!ENTITY popf "𝕡" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL P -->

<!ENTITY Product "∏" ><!--N-ARY PRODUCT -->
 <!ENTITY qopf "𝕢" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL Q -->
 <!ENTITY rarrb "⇥" ><!--RIGHTWARDS ARROW TO BAR -->
 <!ENTITY RightDownTeeVector "⥝" ><!--DOWNWARDS HARPOON WITH BARB RIGHT FROM BAR -->
 <!ENTITY RightDownVectorBar "⥕" ><!--DOWNWARDS HARPOON WITH BARB RIGHT TO BAR -->
 <!ENTITY RightTeeVector "⥛" ><!--RIGHTWARDS HARPOON WITH BARB UP FROM BAR -->
 <!ENTITY RightTriangleBar "⧐" ><!--VERTICAL BAR BESIDE RIGHT TRIANGLE -->
 <!ENTITY RightUpDownVector "⥏" ><!--UP BARB RIGHT DOWN BARB RIGHT HARPOON -->
 <!ENTITY RightUpTeeVector "⥜" ><!--UPWARDS HARPOON WITH BARB RIGHT FROM BAR -->
 <!ENTITY RightUpVectorBar "⥔" ><!--UPWARDS HARPOON WITH BARB RIGHT TO BAR -->
 <!ENTITY RightVectorBar "⥓" ><!--RIGHTWARDS HARPOON WITH BARB UP TO BAR -->
 <!ENTITY ropf "𝕣" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL R -->
 <!ENTITY RoundImplies "⥰" ><!--RIGHT DOUBLE ARROW WITH ROUNDED HEAD -->
 <!ENTITY RuleDelayed "⧴" ><!--RULE-DELAYED -->
 <!ENTITY sopf "𝕤" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL S -->
 <!ENTITY Tab "	" ><!--CHARACTER TABULATION -->
 <!ENTITY ThickSpace "  " ><!--space of width 5/18 em -->
 <!ENTITY topf "𝕥" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL T -->
 <!ENTITY UnderBar "_" ><!--LOW LINE -->
 <!ENTITY UnderBrace "⏟" ><!--BOTTOM CURLY BRACKET -->
 <!ENTITY UnderBracket "⎵" ><!--BOTTOM SQUARE BRACKET -->
 <!ENTITY UnderParenthesis "⏝" ><!--BOTTOM PARENTHESIS -->
 <!ENTITY uopf "𝕦" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL U -->
 <!ENTITY UpArrowBar "⤒" ><!--UPWARDS ARROW TO BAR -->
 <!ENTITY Upsilon "Υ" ><!--GREEK CAPITAL LETTER UPSILON -->
 <!ENTITY VerticalLine "|" ><!--VERTICAL LINE -->
 <!ENTITY VerticalSeparator "❘" ><!--LIGHT VERTICAL BAR -->
 <!ENTITY vopf "𝕧" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL V -->
 <!ENTITY wopf "𝕨" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL W -->
 <!ENTITY xopf "𝕩" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL X -->
 <!ENTITY yopf "𝕪" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL Y -->
 <!ENTITY ZeroWidthSpace "​" ><!--ZERO WIDTH SPACE -->
 <!ENTITY zopf "𝕫" ><!--MATHEMATICAL DOUBLE-STRUCK SMALL Z -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/mathml/mathml3/mmlextra.ent

No license file was found, but licenses were detected in source scan.

<!-- -->
 <!-- SVG 1.1 Basic Document Model Module -->
 <!-- file: svg11-basic-model.mod

This is SVG Basic, a proper subset of SVG.

Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.

Revision: \$Id: svg11-basic-model.mod,v 1.5 2002/11/14 15:11:03 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES SVG 1.1 Basic Document Model//EN"  
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg11-basic-model.mod"
```

```
..... -->
```

```
<!-- SVG 1.1 Basic Document Model
```

```
    This module describes the groupings of elements that make up  
    common content models for SVG elements.
```

```
-->
```

```
<!-- Content Models (Default) ..... -->
```

```
<!ENTITY % SVG.Marker.class "" >
```

```
<!ENTITY % SVG.Cursor.class "" >
```

```
<!-- module: svg-structure.mod ..... -->
```

```
<!ENTITY % SVG.Description.extra.class "" >
```

```
<!ENTITY % SVG.Description.class
```

```
    "%SVG.desc.qname; | %SVG.title.qname; | %SVG.metadata.qname;
```

```
    %SVG.Description.extra.class;"
```

```
>
```

```
<!ENTITY % SVG.Use.extra.class "" >
```

```
<!ENTITY % SVG.Use.class
```

```
    "| %SVG.use.qname; %SVG.Use.extra.class;"
```

```
>
```

```
<!ENTITY % SVG.Structure.extra.class "" >
```

```
<!ENTITY % SVG.Structure.class
```

```
    "| %SVG.svg.qname; | %SVG.g.qname; | %SVG.defs.qname; | %SVG.symbol.qname;
```

```
    %SVG.Use.class; %SVG.Structure.extra.class;"
```

```
>
```

```
<!-- module: svg-conditional.mod ..... -->
```

```
<!ENTITY % SVG.Conditional.extra.class "" >
```

```
<!ENTITY % SVG.Conditional.class
```

```
    "| %SVG.switch.qname; %SVG.Conditional.extra.class;"
```

```
>
```

```
<!-- module: svg-image.mod ..... -->
```

```
<!ENTITY % SVG.Image.extra.class "" >
```

```

<!ENTITY % SVG.Image.class
  "| %SVG.image.qname; %SVG.Image.extra.class;"
>

<!-- module: svg-style.mod ..... -->

<!ENTITY % SVG.Style.extra.class "" >
<!ENTITY % SVG.Style.class
  "| %SVG.style.qname; %SVG.Style.extra.class;"
>

<!-- module: svg-shape.mod ..... -->

<!ENTITY % SVG.Shape.extra.class "" >
<!ENTITY % SVG.Shape.class
  "| %SVG.path.qname; | %SVG.rect.qname; | %SVG.circle.qname;
  | %SVG.line.qname; | %SVG.ellipse.qname; | %SVG.polyline.qname;
  | %SVG.polygon.qname; %SVG.Shape.extra.class;"
>

<!-- module: svg-text.mod ..... -->

<!ENTITY % SVG.Text.extra.class "" >
<!ENTITY % SVG.Text.class
  "| %SVG.text.qname; | %SVG.altGlyphDef.qname; %SVG.Text.extra.class;"
>

<!ENTITY % SVG.TextContent.extra.class "" >
<!ENTITY % SVG.TextContent.class
  "| %SVG.tspan.qname; | %SVG.tref.qname; | %SVG.textPath.qname;
  | %SVG.altGlyph.qname; %SVG.TextContent.extra.class;"
>

<!-- module: svg-profile.mod ..... -->

<!ENTITY % SVG.ColorProfile.extra.class "" >
<!ENTITY % SVG.ColorProfile.class
  "| %SVG.color-profile.qname; %SVG.ColorProfile.extra.class;"
>

<!-- module: svg-gradient.mod ..... -->

<!ENTITY % SVG.Gradient.extra.class "" >
<!ENTITY % SVG.Gradient.class
  "| %SVG.linearGradient.qname; | %SVG.radialGradient.qname;
  %SVG.Gradient.extra.class;"
>

```

```

<!-- module: svg-pattern.mod ..... -->

<!ENTITY % SVG.Pattern.extra.class "" >
<!ENTITY % SVG.Pattern.class
  "| %SVG.pattern.qname; %SVG.Pattern.extra.class;"
>

<!-- module: svg-basic-clip.mod ..... -->

<!ENTITY % SVG.Clip.extra.class "" >
<!ENTITY % SVG.Clip.class
  "| %SVG.clipPath.qname; %SVG.Clip.extra.class;"
>

<!-- module: svg-mask.mod ..... -->

<!ENTITY % SVG.Mask.extra.class "" >
<!ENTITY % SVG.Mask.class
  "| %SVG.mask.qname; %SVG.Mask.extra.class;"
>

<!-- module: svg-basic-filter.mod ..... -->

<!ENTITY % SVG.Filter.extra.class "" >
<!ENTITY % SVG.Filter.class
  "| %SVG.filter.qname; %SVG.Filter.extra.class;"
>

<!ENTITY % SVG.FilterPrimitive.extra.class "" >
<!ENTITY % SVG.FilterPrimitive.class
  "| %SVG.feBlend.qname; | %SVG.feColorMatrix.qname;
  | %SVG.feComponentTransfer.qname; | %SVG.feComposite.qname;
  | %SVG.feFlood.qname; | %SVG.feGaussianBlur.qname; | %SVG.feImage.qname;
  | %SVG.feMerge.qname; | %SVG.feOffset.qname; | %SVG.feTile.qname;
  %SVG.FilterPrimitive.extra.class;"
>

<!-- module: svg-hyperlink.mod ..... -->

<!ENTITY % SVG.Hyperlink.extra.class "" >
<!ENTITY % SVG.Hyperlink.class
  "| %SVG.a.qname; %SVG.Hyperlink.extra.class;"
>

<!-- module: svg-view.mod ..... -->

<!ENTITY % SVG.View.extra.class "" >
<!ENTITY % SVG.View.class

```

```

    "| %SVG.view.qname; %SVG.View.extra.class;"
>

<!-- module: svg-script.mod ..... -->

<!ENTITY % SVG.Script.extra.class "" >
<!ENTITY % SVG.Script.class
    "| %SVG.script.qname; %SVG.Script.extra.class;"
>

<!-- module: svg-animation.mod ..... -->

<!ENTITY % SVG.Animation.extra.class "" >
<!ENTITY % SVG.Animation.class
    "%SVG.animate.qname; | %SVG.set.qname; | %SVG.animateMotion.qname; |
    %SVG.animateColor.qname; | %SVG.animateTransform.qname;
    %SVG.Animation.extra.class;"
>

<!-- module: svg-font.mod ..... -->

<!ENTITY % SVG.Font.extra.class "" >
<!ENTITY % SVG.Font.class
    "| %SVG.font.qname; | %SVG.font-face.qname; %SVG.Font.extra.class;"
>

<!-- module: svg-extensibility.mod ..... -->

<!ENTITY % SVG.Extensibility.extra.class "" >
<!ENTITY % SVG.Extensibility.class
    "| %SVG.foreignObject.qname; %SVG.Extensibility.extra.class;"
>

<!-- end of svg11-basic-model.mod -->

Found in path(s):
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg11-basic-model.mod
No license file was found, but licenses were detected in source scan.

<!-- ..... -->
<!-- XHTML Simplified Forms Module ..... -->
<!-- file: xhtml-basic-form-1.mod

This is XHTML Basic, a proper subset of XHTML.
Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
Revision: $Id: xhtml-basic-form-1.mod,v 4.1 2001/04/05 06:57:40 altheim Exp $ SMI

```

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Basic Forms 1.0//EN"  
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-basic-form-1.mod"
```

Revisions:

(none)

..... -->

<!-- Basic Forms

This forms module is based on the HTML 3.2 forms model, with the WAI-requested addition of the label element. While this module essentially mimics the content model and attributes of HTML 3.2 forms, the element types declared herein also include all HTML 4 common attributes.

form, label, input, select, option, textarea

-->

<!-- declare qualified element type names:

-->

<!ENTITY % form.qname "form" >

<!ENTITY % label.qname "label" >

<!ENTITY % input.qname "input" >

<!ENTITY % select.qname "select" >

<!ENTITY % option.qname "option" >

<!ENTITY % textarea.qname "textarea" >

<!-- %BlkNoForm.mix; includes all non-form block elements,
plus %Misc.class;

-->

<!ENTITY % BlkNoForm.mix

"%Heading.class;

| %List.class;

| %BlkStruct.class;

%BlkPhras.class;

%BlkPres.class;

| %table.qname;

%Block.extra;

%Misc.class;"

>

<!-- form: Form Element -->

<!ENTITY % form.element "INCLUDE" >

<![%form.element];

<!ENTITY % form.content

```

    "( %BlkNoForm.mix; )+"
>
<!ELEMENT %form.qname; %form.content; >
<!-- end of form.element -->]]>

<!ENTITY % form.attlist "INCLUDE" >
<![%form.attlist;[
<!ATTLIST %form.qname;
    %Common.attrib;
    action    %URI.datatype;    #REQUIRED
    method    ( get | post )    'get'
    enctype   %ContentType.datatype; 'application/x-www-form-urlencoded'
>
<!-- end of form.attlist -->]]>

<!-- label: Form Field Label Text ..... -->

<!ENTITY % label.element "INCLUDE" >
<![%label.element;[
<!-- Each label must not contain more than ONE field
-->
<!ENTITY % label.content
    "( #PCDATA
    | %input.qname; | %select.qname; | %textarea.qname;
    | %InlStruct.class;
    %InlPhras.class;
    %I18n.class;
    %InlPres.class;
    %InlSpecial.class;
    %Misc.class; )*"
>
<!ELEMENT %label.qname; %label.content; >
<!-- end of label.element -->]]>

<!ENTITY % label.attlist "INCLUDE" >
<![%label.attlist;[
<!ATTLIST %label.qname;
    %Common.attrib;
    for      IDREF      #IMPLIED
    accesskey %Character.datatype; #IMPLIED
>
<!-- end of label.attlist -->]]>

<!-- input: Form Control ..... -->

<!ENTITY % input.element "INCLUDE" >
<![%input.element;[
<!ENTITY % input.content "EMPTY" >

```



```

<!ELEMENT %input.qname; %input.content; >
<!-- end of input.element -->]]>

<!-- Basic Forms removes 'button', 'image' and 'file' input types.
-->
<!ENTITY % input.attlist "INCLUDE" >
<![%input.attlist;[
<!ENTITY % InputType.class
    "( text | password | checkbox | radio
      | submit | reset | hidden )"
>
<!-- attribute name required for all but submit & reset
-->
<!ATTLIST %input.qname;
    %Common.attrib;
    type      %InputType.class;      'text'
    name      CDATA                  #IMPLIED
    value     CDATA                  #IMPLIED
    checked   ( checked )           #IMPLIED
    size      %Number.datatype;      #IMPLIED
    maxlength %Number.datatype;      #IMPLIED
    src       %URI.datatype;         #IMPLIED
    tabindex  %Number.datatype;      #IMPLIED
    accesskey %Character.datatype;   #IMPLIED
>
<!-- end of input.attlist -->]]>

<!-- select: Option Selector ..... -->

<!ENTITY % select.element "INCLUDE" >
<![%select.element;[
<!ENTITY % select.content "( %option.qname; )+" >
<!ELEMENT %select.qname; %select.content; >
<!-- end of select.element -->]]>

<!ENTITY % select.attlist "INCLUDE" >
<![%select.attlist;[
<!ATTLIST %select.qname;
    %Common.attrib;
    name      CDATA                  #IMPLIED
    size      %Number.datatype;      #IMPLIED
    multiple   ( multiple )         #IMPLIED
    tabindex  %Number.datatype;      #IMPLIED
>
<!-- end of select.attlist -->]]>

<!-- option: Selectable Choice ..... -->

```

```
<!ENTITY % option.element "INCLUDE" >
<![%option.element;[
<!ENTITY % option.content "( #PCDATA )" >
<!ELEMENT %option.qname; %option.content; >
<!-- end of option.element -->]]>
```

```
<!ENTITY % option.attlist "INCLUDE" >
<![%option.attlist;[
<!ATTLIST %option.qname;
    %Common.attrib;
    selected ( selected )      #IMPLIED
    value    CDATA             #IMPLIED
>
<!-- end of option.attlist -->]]>
```

```
<!-- textarea: Multi-Line Text Field ..... -->
```

```
<!ENTITY % textarea.element "INCLUDE" >
<![%textarea.element;[
<!ENTITY % textarea.content "( #PCDATA )" >
<!ELEMENT %textarea.qname; %textarea.content; >
<!-- end of textarea.element -->]]>
```

```
<!ENTITY % textarea.attlist "INCLUDE" >
<![%textarea.attlist;[
<!ATTLIST %textarea.qname;
    %Common.attrib;
    name    CDATA              #IMPLIED
    rows    %Number.datatype;  #REQUIRED
    cols    %Number.datatype;  #REQUIRED
    tabindex %Number.datatype; #IMPLIED
    accesskey %Character.datatype; #IMPLIED
>
<!-- end of textarea.attlist -->]]>
```

```
<!-- end of xhtml-basic-form-1.mod -->
```

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/xhtml11/xhtml-basic-form-1.mod

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Hypertext Module ..... -->
<!-- file: xhtml-hypertext-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Hypertext 1.0//EN"  
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-hypertext-1.mod"
```

Revisions:

(none)

..... -->

<!-- Hypertext

a

This module declares the anchor ('a') element type, which defines the source of a hypertext link. The destination (or link 'target') is identified via its 'id' attribute rather than the 'name' attribute as was used in HTML.

-->

<!-- Anchor Element -->

<!ENTITY % a.element "INCLUDE" >

<![%a.element;[

<!ENTITY % a.content

"(#PCDATA | %InlNoAnchor.mix;)"

>

<!ENTITY % a.qname "a" >

<!ELEMENT %a.qname; %a.content; >

<!-- end of a.element -->]]>

<!ENTITY % a.attlist "INCLUDE" >

<![%a.attlist;[

<!ATTLIST %a.qname;

%Common.attrib;

href %URI.datatype; #IMPLIED

charset %Charset.datatype; #IMPLIED

type %ContentType.datatype; #IMPLIED

hreflang %LanguageCode.datatype; #IMPLIED

rel %LinkTypes.datatype; #IMPLIED

rev %LinkTypes.datatype; #IMPLIED

accesskey %Character.datatype; #IMPLIED

tabindex %Number.datatype; #IMPLIED

>

<!-- end of a.attlist -->]]>

<!-- end of xhtml-hypertext-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/xhtml11/xhtml-hypertext-1.mod

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Block Presentation Module ..... -->
<!-- file: xhtml-blkpres-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
Revision: \$Id: xhtml-blkpres-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Block Presentation 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-blkpres-1.mod"
```

Revisions:

(none)

```
..... -->
```

```
<!-- Block Presentational Elements
```

```
    hr
```

This module declares the elements and their attributes used to support block-level presentational markup.

```
-->
```

```
<!ENTITY % hr.element "INCLUDE" >
<![%hr.element;[
<!ENTITY % hr.content "EMPTY" >
<!ENTITY % hr.qname "hr" >
<!ELEMENT %hr.qname; %hr.content; >
<!-- end of hr.element -->]]>
```

```
<!ENTITY % hr.attlist "INCLUDE" >
<![%hr.attlist;[
<!ATTLIST %hr.qname;
    %Common.attrib;
>
<!-- end of hr.attlist -->]]>
```

```
<!-- end of xhtml-blkpres-1.mod -->
```

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-blkpres-1.mod

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->  
<!-- XHTML Modular Framework Module ..... -->  
<!-- file: xhtml-framework-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2000 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: xhtml-framework-1.mod,v 1.3 2004/09/07 12:12:18 dom Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES XHTML Modular Framework 1.0//EN"  
SYSTEM "http://www.w3.org/TR/xhtml-modulatization/DTD/xhtml-framework-1.mod"
```

Revisions:

(none)

```
..... -->
```

```
<!-- Modular Framework
```

This required module instantiates the modules needed
to support the XHTML modularization model, including:

- + notations
- + datatypes
- + namespace-qualified names
- + common attributes
- + document model
- + character entities

The Intrinsic Events module is ignored by default but
occurs in this module because it must be instantiated
prior to Attributes but after Datatypes.

```
-->
```

```
<!ENTITY % xhtml-arch.module "INCLUDE" >  
<![%xhtml-arch.module;[  
<!ENTITY % xhtml-arch.mod  
PUBLIC "-//W3C//ELEMENTS XHTML Base Architecture 1.0//EN"  
"xhtml-arch-1.mod" >  
%xhtml-arch.mod;]]>
```

```
<!ENTITY % xhtml-notations.module "INCLUDE" >  
<![%xhtml-notations.module;[  
<!ENTITY % xhtml-notations.mod
```

```

PUBLIC "-//W3C//NOTATIONS XHTML Notations 1.0//EN"
  "xhtml-notations-1.mod" >
%xhtml-notations.mod;]]>

<!ENTITY % xhtml-datatypes.module "INCLUDE" >
<![%xhtml-datatypes.module;[
<!ENTITY % xhtml-datatypes.mod
  PUBLIC "-//W3C//ENTITIES XHTML Datatypes 1.0//EN"
    "xhtml-datatypes-1.mod" >
%xhtml-datatypes.mod;]]>

<!-- placeholder for XLink support module -->
<!ENTITY % xhtml-xlink.mod "" >
%xhtml-xlink.mod;

<!ENTITY % xhtml-qname.module "INCLUDE" >
<![%xhtml-qname.module;[
<!ENTITY % xhtml-qname.mod
  PUBLIC "-//W3C//ENTITIES XHTML Qualified Names 1.0//EN"
    "xhtml-qname-1.mod" >
%xhtml-qname.mod;]]>

<!ENTITY % xhtml-events.module "IGNORE" >
<![%xhtml-events.module;[
<!ENTITY % xhtml-events.mod
  PUBLIC "-//W3C//ENTITIES XHTML Intrinsic Events 1.0//EN"
    "xhtml-events-1.mod" >
%xhtml-events.mod;]]>

<!ENTITY % xhtml-attribs.module "INCLUDE" >
<![%xhtml-attribs.module;[
<!ENTITY % xhtml-attribs.mod
  PUBLIC "-//W3C//ENTITIES XHTML Common Attributes 1.0//EN"
    "xhtml-attribs-1.mod" >
%xhtml-attribs.mod;]]>

<!-- placeholder for content model redeclarations -->
<!ENTITY % xhtml-model.redecl "" >
%xhtml-model.redecl;

<!ENTITY % xhtml-model.module "INCLUDE" >
<![%xhtml-model.module;[
<!-- instantiate the Document Model module declared in the DTD driver
-->
%xhtml-model.mod;]]>

<!ENTITY % xhtml-charent.module "INCLUDE" >
<![%xhtml-charent.module;[

```

```
<!ENTITY % xhtml-charent.mod
PUBLIC "-//W3C//ENTITIES XHTML Character Entities 1.0//EN"
"xhtml-charent-1.mod" >
%xhtml-charent.mod;]]>
```

```
<!-- end of xhtml-framework-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/rddl/xhtml-framework-1.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
```

```
<!-- SVG 1.1 Basic Clip Module ..... -->
```

```
<!-- file: svg-basic-clip.mod
```

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-basic-clip.mod,v 1.4 2002/11/03 15:54:14 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS SVG 1.1 Basic Clip//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-basic-clip.mod"
```

```
..... -->
```

```
<!-- Basic Clip
```

```
clipPath
```

This module declares markup to provide support for clipping.

```
-->
```

```
<!-- 'clip-path' property/attribute value (e.g., 'none', <uri>) -->
```

```
<!ENTITY % ClipPathValue.datatype "CDATA" >
```

```
<!-- Qualified Names (Default) ..... -->
```

```
<!ENTITY % SVG.clipPath.qname "clipPath" >
```

```
<!-- Attribute Collections (Default) ..... -->
```

```
<!ENTITY % SVG.Core.attrib "" >
```

```
<!ENTITY % SVG.Conditional.attrib "" >
```

```
<!ENTITY % SVG.Style.attrib "" >
```

```
<!ENTITY % SVG.Text.attrib "" >
```

```
<!ENTITY % SVG.TextContent.attrib "" >
```

```

<!ENTITY % SVG.Font.attrib "" >
<!ENTITY % SVG.Paint.attrib "" >
<!ENTITY % SVG.Color.attrib "" >
<!ENTITY % SVG.Opacity.attrib "" >
<!ENTITY % SVG.Graphics.attrib "" >
<!ENTITY % SVG.Mask.attrib "" >
<!ENTITY % SVG.Filter.attrib "" >
<!ENTITY % SVG.Cursor.attrib "" >
<!ENTITY % SVG.External.attrib "" >

<!-- SVG.Clip.class ..... -->

<!ENTITY % SVG.Clip.extra.class "" >

<!ENTITY % SVG.Clip.class
  "| %SVG.clipPath.qname; %SVG.Clip.extra.class;"
>

<!-- SVG.Clip.attrib ..... -->

<!ENTITY % SVG.Clip.extra.attrib "" >

<!ENTITY % SVG.Clip.attrib
  "clip-path %ClipPathValue.datatype; #IMPLIED
  clip-rule %ClipFillRule.datatype; #IMPLIED
  %SVG.Clip.extra.attrib;"
>

<!-- clipPath: Clip Path Element ..... -->

<!ENTITY % SVG.clipPath.extra.content "" >

<!ENTITY % SVG.clipPath.element "INCLUDE" >
<![%SVG.clipPath.element;[
<!ENTITY % SVG.clipPath.content
  "(( %SVG.Description.class; )*, (( %SVG.Animation.class; %SVG.Use.class;
  %SVG.clipPath.extra.content; )*, ( %SVG.Animation.class; %SVG.Use.class;
  %SVG.Shape.class; )?, ( %SVG.Animation.class; %SVG.Use.class;
  %SVG.clipPath.extra.content; )*))"
>
<!ELEMENT %SVG.clipPath.qname; %SVG.clipPath.content; >
<!-- end of SVG.clipPath.element -->]]>

<!ENTITY % SVG.clipPath.attlist "INCLUDE" >
<![%SVG.clipPath.attlist;[
<!ATTLIST %SVG.clipPath.qname;
  %SVG.Core.attrib;
  %SVG.Conditional.attrib;

```



```
%SVG.Style.attrib;
%SVG.Text.attrib;
%SVG.TextContent.attrib;
%SVG.Font.attrib;
%SVG.Paint.attrib;
%SVG.Color.attrib;
%SVG.Opacity.attrib;
%SVG.Graphics.attrib;
%SVG.Clip.attrib;
%SVG.Mask.attrib;
%SVG.Filter.attrib;
%SVG.Cursor.attrib;
%SVG.External.attrib;
transform %TransformList.datatype; #IMPLIED
clipPathUnits ( userSpaceOnUse | objectBoundingBox ) #IMPLIED
>
<!-- end of SVG.clipPath.attlist -->]]>

<!-- end of svg-basic-clip.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-basic-clip.mod
```

No license file was found, but licenses were detected in source scan.

<!--

File isolat2.ent produced by the XSL script entities.xsl
from input data in unicode.xml.

Copyright 1998 - 2009 W3C.

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W3C Software Notice and License.

<http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231.html>

Please report any errors to David Carlisle
via the public W3C list www-math@w3.org.

The numeric character values assigned to each entity
(should) match the Unicode assignments in Unicode 5.x.

Entity names in this file are derived from files carrying the
following notice:

(C) International Organization for Standardization 1986
Permission to copy in any form is granted for use with
conforming SGML systems and applications as defined in
ISO 8879, provided this notice is included in all copies.

-->

<!--

Public identifier: -//W3C//ENTITIES Added Latin 2//EN//XML
System identifier: http://www.w3.org/2003/entities/2007/isolat2.ent

The public identifier should always be used verbatim.
The system identifier may be changed to suit local requirements.

Typical invocation:

```
<!ENTITY % isolat2 PUBLIC
  "-//W3C//ENTITIES Added Latin 2//EN//XML"
  "http://www.w3.org/2003/entities/2007/isolat2.ent"
>
%isolat2;
```

-->

<!ENTITY abreve	"ă" ><!--LATIN SMALL LETTER A WITH BREVE -->
<!ENTITY Abreve	"Ă" ><!--LATIN CAPITAL LETTER A WITH BREVE -->
<!ENTITY amacr	"ā" ><!--LATIN SMALL LETTER A WITH MACRON -->
<!ENTITY Amacr	"Ā" ><!--LATIN CAPITAL LETTER A WITH MACRON -->
<!ENTITY aogon	"ą" ><!--LATIN SMALL LETTER A WITH OGONEK -->
<!ENTITY Aogon	"Ą" ><!--LATIN CAPITAL LETTER A WITH OGONEK -->
<!ENTITY cacute	"ć" ><!--LATIN SMALL LETTER C WITH ACUTE -->
<!ENTITY Cacute	"Ć" ><!--LATIN CAPITAL LETTER C WITH ACUTE -->
<!ENTITY ccaron	"č" ><!--LATIN SMALL LETTER C WITH CARON -->
<!ENTITY Ccaron	"Č" ><!--LATIN CAPITAL LETTER C WITH CARON -->
<!ENTITY ccirc	"ĉ" ><!--LATIN SMALL LETTER C WITH CIRCUMFLEX -->
<!ENTITY Ccirc	"Ĉ" ><!--LATIN CAPITAL LETTER C WITH CIRCUMFLEX -->
<!ENTITY cdot	"ċ" ><!--LATIN SMALL LETTER C WITH DOT ABOVE -->
<!ENTITY Cdot	"Ċ" ><!--LATIN CAPITAL LETTER C WITH DOT ABOVE -->
<!ENTITY dcaron	"ď" ><!--LATIN SMALL LETTER D WITH CARON -->
<!ENTITY Dcaron	"Ď" ><!--LATIN CAPITAL LETTER D WITH CARON -->
<!ENTITY dstrok	"đ" ><!--LATIN SMALL LETTER D WITH STROKE -->
<!ENTITY Dstrok	"Đ" ><!--LATIN CAPITAL LETTER D WITH STROKE -->
<!ENTITY ecaron	"ě" ><!--LATIN SMALL LETTER E WITH CARON -->
<!ENTITY Ecaron	"Ě" ><!--LATIN CAPITAL LETTER E WITH CARON -->
<!ENTITY edot	"ė" ><!--LATIN SMALL LETTER E WITH DOT ABOVE -->
<!ENTITY Edot	"Ė" ><!--LATIN CAPITAL LETTER E WITH DOT ABOVE -->
<!ENTITY emacr	"ē" ><!--LATIN SMALL LETTER E WITH MACRON -->
<!ENTITY Emacr	"Ē" ><!--LATIN CAPITAL LETTER E WITH MACRON -->
<!ENTITY eng	"ŋ" ><!--LATIN SMALL LETTER ENG -->
<!ENTITY ENG	"Ŋ" ><!--LATIN CAPITAL LETTER ENG -->

<!ENTITY eogon	"ę" ><!--LATIN SMALL LETTER E WITH OGONEK -->
<!ENTITY Eogon	"Ę" ><!--LATIN CAPITAL LETTER E WITH OGONEK -->
<!ENTITY gacute	"ǵ" ><!--LATIN SMALL LETTER G WITH ACUTE -->
<!ENTITY gbreve	"ğ" ><!--LATIN SMALL LETTER G WITH BREVE -->
<!ENTITY Gbreve	"Ğ" ><!--LATIN CAPITAL LETTER G WITH BREVE -->
<!ENTITY Gcedil	"Ģ" ><!--LATIN CAPITAL LETTER G WITH CEDILLA -->
<!ENTITY gcirc	"ĝ" ><!--LATIN SMALL LETTER G WITH CIRCUMFLEX -->
<!ENTITY Gcirc	"Ĝ" ><!--LATIN CAPITAL LETTER G WITH CIRCUMFLEX -->
<!ENTITY gdot	"ġ" ><!--LATIN SMALL LETTER G WITH DOT ABOVE -->
<!ENTITY Gdot	"Ġ" ><!--LATIN CAPITAL LETTER G WITH DOT ABOVE -->
<!ENTITY hcirc	"ĥ" ><!--LATIN SMALL LETTER H WITH CIRCUMFLEX -->
<!ENTITY Hcirc	"Ĥ" ><!--LATIN CAPITAL LETTER H WITH CIRCUMFLEX -->
<!ENTITY hstrok	"ħ" ><!--LATIN SMALL LETTER H WITH STROKE -->
<!ENTITY Hstrok	"Ħ" ><!--LATIN CAPITAL LETTER H WITH STROKE -->
<!ENTITY Idot	"İ" ><!--LATIN CAPITAL LETTER I WITH DOT ABOVE -->
<!ENTITY ijlig	"ĳ" ><!--LATIN SMALL LIGATURE IJ -->
<!ENTITY IJlig	"Ĳ" ><!--LATIN CAPITAL LIGATURE IJ -->
<!ENTITY imacr	"ī" ><!--LATIN SMALL LETTER I WITH MACRON -->
<!ENTITY Imacr	"Ī" ><!--LATIN CAPITAL LETTER I WITH MACRON -->
<!ENTITY inodot	"ı" ><!--LATIN SMALL LETTER DOTLESS I -->
<!ENTITY iogon	"į" ><!--LATIN SMALL LETTER I WITH OGONEK -->
<!ENTITY Iogon	"Į" ><!--LATIN CAPITAL LETTER I WITH OGONEK -->
<!ENTITY itilde	"ĩ" ><!--LATIN SMALL LETTER I WITH TILDE -->
<!ENTITY Itilde	"Ĩ" ><!--LATIN CAPITAL LETTER I WITH TILDE -->
<!ENTITY jcirc	"ĵ" ><!--LATIN SMALL LETTER J WITH CIRCUMFLEX -->
<!ENTITY Jcirc	"Ĵ" ><!--LATIN CAPITAL LETTER J WITH CIRCUMFLEX -->
<!ENTITY kcedil	"ķ" ><!--LATIN SMALL LETTER K WITH CEDILLA -->
<!ENTITY Kcedil	"Ķ" ><!--LATIN CAPITAL LETTER K WITH CEDILLA -->
<!ENTITY kgreen	"ĸ" ><!--LATIN SMALL LETTER KRA -->
<!ENTITY lacute	"ĺ" ><!--LATIN SMALL LETTER L WITH ACUTE -->
<!ENTITY Lacute	"Ĺ" ><!--LATIN CAPITAL LETTER L WITH ACUTE -->
<!ENTITY lcaron	"ľ" ><!--LATIN SMALL LETTER L WITH CARON -->
<!ENTITY Lcaron	"Ľ" ><!--LATIN CAPITAL LETTER L WITH CARON -->
<!ENTITY lcedil	"ļ" ><!--LATIN SMALL LETTER L WITH CEDILLA -->
<!ENTITY Lcedil	"Ļ" ><!--LATIN CAPITAL LETTER L WITH CEDILLA -->
<!ENTITY lmidot	"ŀ" ><!--LATIN SMALL LETTER L WITH MIDDLE DOT -->
<!ENTITY Lmidot	"Ŀ" ><!--LATIN CAPITAL LETTER L WITH MIDDLE DOT -->
<!ENTITY lstrok	"ł" ><!--LATIN SMALL LETTER L WITH STROKE -->
<!ENTITY Lstrok	"Ł" ><!--LATIN CAPITAL LETTER L WITH STROKE -->
<!ENTITY nacute	"ń" ><!--LATIN SMALL LETTER N WITH ACUTE -->
<!ENTITY Nacute	"Ń" ><!--LATIN CAPITAL LETTER N WITH ACUTE -->
<!ENTITY napos	"ŉ" ><!--LATIN SMALL LETTER N PRECEDED BY APOSTROPHE -->
<!ENTITY ncaron	"ň" ><!--LATIN SMALL LETTER N WITH CARON -->
<!ENTITY Ncaron	"Ň" ><!--LATIN CAPITAL LETTER N WITH CARON -->
<!ENTITY ncedil	"ņ" ><!--LATIN SMALL LETTER N WITH CEDILLA -->
<!ENTITY Ncedil	"Ņ" ><!--LATIN CAPITAL LETTER N WITH CEDILLA -->
<!ENTITY odblac	"ő" ><!--LATIN SMALL LETTER O WITH DOUBLE ACUTE -->
<!ENTITY Odblac	"Ő" ><!--LATIN CAPITAL LETTER O WITH DOUBLE ACUTE -->

<!ENTITY oelig	"œ" ><!--LATIN SMALL LIGATURE OE -->
<!ENTITY Oelig	"Œ" ><!--LATIN CAPITAL LIGATURE OE -->
<!ENTITY omacr	"ō" ><!--LATIN SMALL LETTER O WITH MACRON -->
<!ENTITY Omacr	"Ō" ><!--LATIN CAPITAL LETTER O WITH MACRON -->
<!ENTITY racute	"ŕ" ><!--LATIN SMALL LETTER R WITH ACUTE -->
<!ENTITY Racute	"Ŕ" ><!--LATIN CAPITAL LETTER R WITH ACUTE -->
<!ENTITY rcaron	"ř" ><!--LATIN SMALL LETTER R WITH CARON -->
<!ENTITY Rcaron	"Ř" ><!--LATIN CAPITAL LETTER R WITH CARON -->
<!ENTITY rcedil	"ŗ" ><!--LATIN SMALL LETTER R WITH CEDILLA -->
<!ENTITY Rcedil	"Ŗ" ><!--LATIN CAPITAL LETTER R WITH CEDILLA -->
<!ENTITY sacute	"ś" ><!--LATIN SMALL LETTER S WITH ACUTE -->
<!ENTITY Sacute	"Ś" ><!--LATIN CAPITAL LETTER S WITH ACUTE -->
<!ENTITY scaron	"š" ><!--LATIN SMALL LETTER S WITH CARON -->
<!ENTITY Scaron	"Š" ><!--LATIN CAPITAL LETTER S WITH CARON -->
<!ENTITY scedil	"ş" ><!--LATIN SMALL LETTER S WITH CEDILLA -->
<!ENTITY Scedil	"Ş" ><!--LATIN CAPITAL LETTER S WITH CEDILLA -->
<!ENTITY scirc	"ŝ" ><!--LATIN SMALL LETTER S WITH CIRCUMFLEX -->
<!ENTITY Scirc	"Ŝ" ><!--LATIN CAPITAL LETTER S WITH CIRCUMFLEX -->
<!ENTITY tcaron	"ť" ><!--LATIN SMALL LETTER T WITH CARON -->
<!ENTITY Tcaron	"Ť" ><!--LATIN CAPITAL LETTER T WITH CARON -->
<!ENTITY tcedil	"ţ" ><!--LATIN SMALL LETTER T WITH CEDILLA -->
<!ENTITY Tcedil	"Ţ" ><!--LATIN CAPITAL LETTER T WITH CEDILLA -->
<!ENTITY tstrok	"ŧ" ><!--LATIN SMALL LETTER T WITH STROKE -->
<!ENTITY Tstrok	"Ŧ" ><!--LATIN CAPITAL LETTER T WITH STROKE -->
<!ENTITY ubreve	"ŭ" ><!--LATIN SMALL LETTER U WITH BREVE -->
<!ENTITY Ubreve	"Ŭ" ><!--LATIN CAPITAL LETTER U WITH BREVE -->
<!ENTITY udblac	"ű" ><!--LATIN SMALL LETTER U WITH DOUBLE ACUTE -->
<!ENTITY Udblac	"Ű" ><!--LATIN CAPITAL LETTER U WITH DOUBLE ACUTE -->
<!ENTITY umacr	"ū" ><!--LATIN SMALL LETTER U WITH MACRON -->
<!ENTITY Umacr	"Ū" ><!--LATIN CAPITAL LETTER U WITH MACRON -->
<!ENTITY uogon	"ų" ><!--LATIN SMALL LETTER U WITH OGONEK -->
<!ENTITY Uogon	"Ų" ><!--LATIN CAPITAL LETTER U WITH OGONEK -->
<!ENTITY uring	"ů" ><!--LATIN SMALL LETTER U WITH RING ABOVE -->
<!ENTITY Uring	"Ů" ><!--LATIN CAPITAL LETTER U WITH RING ABOVE -->
<!ENTITY utilde	"ũ" ><!--LATIN SMALL LETTER U WITH TILDE -->
<!ENTITY Utilde	"Ũ" ><!--LATIN CAPITAL LETTER U WITH TILDE -->
<!ENTITY wcirc	"ŵ" ><!--LATIN SMALL LETTER W WITH CIRCUMFLEX -->
<!ENTITY Wcirc	"Ŵ" ><!--LATIN CAPITAL LETTER W WITH CIRCUMFLEX -->
<!ENTITY ycirc	"ŷ" ><!--LATIN SMALL LETTER Y WITH CIRCUMFLEX -->
<!ENTITY Ycirc	"Ŷ" ><!--LATIN CAPITAL LETTER Y WITH CIRCUMFLEX -->
<!ENTITY Yuml	"Ÿ" ><!--LATIN CAPITAL LETTER Y WITH DIAERESIS -->
<!ENTITY zacute	"ź" ><!--LATIN SMALL LETTER Z WITH ACUTE -->
<!ENTITY Zacute	"Ź" ><!--LATIN CAPITAL LETTER Z WITH ACUTE -->
<!ENTITY zcaron	"ž" ><!--LATIN SMALL LETTER Z WITH CARON -->
<!ENTITY Zcaron	"Ž" ><!--LATIN CAPITAL LETTER Z WITH CARON -->
<!ENTITY zdot	"ż" ><!--LATIN SMALL LETTER Z WITH DOT ABOVE -->
<!ENTITY Zdot	"Ż" ><!--LATIN CAPITAL LETTER Z WITH DOT ABOVE -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/mathml/mathml3/isolat2.ent

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Structure Module ..... -->
<!-- file: xhtml-struct-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
Revision: \$Id: xhtml-struct-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Document Structure 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-struct-1.mod"
```

Revisions:

(none)

```
..... -->
```

```
<!-- Document Structure
```

title, head, body, html

The Structure Module defines the major structural elements and their attributes.

Note that the content model of the head element type is redeclared when the Base Module is included in the DTD.

The parameter entity containing the XML namespace URI value used for XHTML is '%XHTML.xmlns;', defined in the Qualified Names module.

```
-->
```

```
<!-- title: Document Title ..... -->
```

```
<!-- The title element is not considered part of the flow of text.
```

It should be displayed, for example as the page header or window title. Exactly one title is required per document.

```
-->
```

```
<!ENTITY % title.element "INCLUDE" >
<![%title.element;[
<!ENTITY % title.content "( #PCDATA )" >
<!ENTITY % title.qname "title" >
<!ELEMENT %title.qname; %title.content; >
```

```

<!-- end of title.element -->]]>

<!ENTITY % title.attlist "INCLUDE" >
<![%title.attlist;[
<!ATTLIST %title.qname;
    %XHTML.xmlns.attrib;
    %I18n.attrib;
>
<!-- end of title.attlist -->]]>

<!-- head: Document Head ..... -->

<!ENTITY % head.element "INCLUDE" >
<![%head.element;[
<!ENTITY % head.content
    "( %HeadOpts.mix;, %title.qname;, %HeadOpts.mix; )"
>
<!ENTITY % head.qname "head" >
<!ELEMENT %head.qname; %head.content; >
<!-- end of head.element -->]]>

<!ENTITY % head.attlist "INCLUDE" >
<![%head.attlist;[
<!-- reserved for future use with document profiles
-->
<!ENTITY % profile.attrib
    "profile %URI.datatype; %XHTML.profile;"
>

<!ATTLIST %head.qname;
    %XHTML.xmlns.attrib;
    %I18n.attrib;
    %profile.attrib;
    %id.attrib;
>
<!-- end of head.attlist -->]]>

<!-- body: Document Body ..... -->

<!ENTITY % body.element "INCLUDE" >
<![%body.element;[
<!ENTITY % body.content
    "( %Block.mix; )*"
>
<!ENTITY % body.qname "body" >
<!ELEMENT %body.qname; %body.content; >
<!-- end of body.element -->]]>

```

```

<!ENTITY % body.attlist "INCLUDE" >
<![%body.attlist;[
<!ATTLIST %body.qname;
    %Common.attrib;
>
<!-- end of body.attlist -->]]>

<!-- html: XHTML Document Element ..... -->

<!ENTITY % html.element "INCLUDE" >
<![%html.element;[
<!ENTITY % html.content "( %head.qname;, %body.qname; )" >
<!ENTITY % html.qname "html" >
<!ELEMENT %html.qname; %html.content; >
<!-- end of html.element -->]]>

<![%XHTML.xsi.attrs;[
<!-- define a parameter for the XSI schemaLocation attribute -->
<!ENTITY % XSI.schemaLocation.attrib
    "%XSI.pfx;schemaLocation %URIs.datatype; #IMPLIED"
>
]]>
<!ENTITY % XSI.schemaLocation.attrib "">

<!ENTITY % html.attlist "INCLUDE" >
<![%html.attlist;[
<!-- version attribute value defined in driver
-->
<!ENTITY % XHTML.version.attrib
    "version %FPI.datatype; #FIXED '%XHTML.version;'"
>

<!-- see the Qualified Names module for information
    on how to extend XHTML using XML namespaces
-->
<!ATTLIST %html.qname;
    %XHTML.xmlns.attrib;
    %XSI.schemaLocation.attrib;
    %XHTML.version.attrib;
    %I18n.attrib;
    %id.attrib;
>
<!-- end of html.attlist -->]]>

<!-- end of xhtml-struct-1.mod -->

```

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-

jar/net/sf/saxon/data/w3c/xhtml11/xhtml-struct-1.mod

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Intrinsic Events Module ..... -->
<!-- file: xhtml-events-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
Revision: \$Id: xhtml-events-1.mod,v 4.1 2001/04/10 09:42:30 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES XHTML Intrinsic Events 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-events-1.mod"
```

Revisions:
(none)
..... -->

```
<!-- Intrinsic Event Attributes
```

These are the event attributes defined in HTML 4,
Section 18.2.3 "Intrinsic Events". This module must be
instantiated prior to the Attributes Module but after
the Datatype Module in the Modular Framework module.

"Note: Authors of HTML documents are advised that changes
are likely to occur in the realm of intrinsic events
(e.g., how scripts are bound to events). Research in
this realm is carried on by members of the W3C Document
Object Model Working Group (see the W3C Web site at
<http://www.w3.org/> for more information)."

```
-->
<!-- NOTE: Because the ATTLIST declarations in this module occur
before their respective ELEMENT declarations in other
modules, there may be a dependency on this module that
should be considered if any of the parameter entities used
for element type names (eg., %a.qname;) are redeclared.
-->
```

```
<!ENTITY % Events.attrib
"onclick %Script.datatype; #IMPLIED
ondblclick %Script.datatype; #IMPLIED
onmousedown %Script.datatype; #IMPLIED
onmouseup %Script.datatype; #IMPLIED
onmouseover %Script.datatype; #IMPLIED
onmousemove %Script.datatype; #IMPLIED
```



```

onmouseout %Script.datatype; #IMPLIED
onkeypress %Script.datatype; #IMPLIED
onkeydown %Script.datatype; #IMPLIED
onkeyup %Script.datatype; #IMPLIED"
>

<![%XHTML.global.attrs.prefixed;[
<!ENTITY % XHTML.global.events.attrib
"%XHTML.prefix::onclick %Script.datatype; #IMPLIED
%XHTML.prefix::ondblclick %Script.datatype; #IMPLIED
%XHTML.prefix::onmousedown %Script.datatype; #IMPLIED
%XHTML.prefix::onmouseup %Script.datatype; #IMPLIED
%XHTML.prefix::onmouseover %Script.datatype; #IMPLIED
%XHTML.prefix::onmousemove %Script.datatype; #IMPLIED
%XHTML.prefix::onmouseout %Script.datatype; #IMPLIED
%XHTML.prefix::onkeypress %Script.datatype; #IMPLIED
%XHTML.prefix::onkeydown %Script.datatype; #IMPLIED
%XHTML.prefix::onkeyup %Script.datatype; #IMPLIED"
>
]]>

<!-- additional attributes on anchor element
-->
<!ATTLIST %a.qname;
onfocus %Script.datatype; #IMPLIED
onblur %Script.datatype; #IMPLIED
>

<!-- additional attributes on form element
-->
<!ATTLIST %form.qname;
onsubmit %Script.datatype; #IMPLIED
onreset %Script.datatype; #IMPLIED
>

<!-- additional attributes on label element
-->
<!ATTLIST %label.qname;
onfocus %Script.datatype; #IMPLIED
onblur %Script.datatype; #IMPLIED
>

<!-- additional attributes on input element
-->
<!ATTLIST %input.qname;
onfocus %Script.datatype; #IMPLIED
onblur %Script.datatype; #IMPLIED
onselect %Script.datatype; #IMPLIED

```

```

    onchange %Script.datatype; #IMPLIED
>

<!-- additional attributes on select element
-->
<!ATTLIST %select.qname;
    onfocus %Script.datatype; #IMPLIED
    onblur %Script.datatype; #IMPLIED
    onchange %Script.datatype; #IMPLIED
>

<!-- additional attributes on textarea element
-->
<!ATTLIST %textarea.qname;
    onfocus %Script.datatype; #IMPLIED
    onblur %Script.datatype; #IMPLIED
    onselect %Script.datatype; #IMPLIED
    onchange %Script.datatype; #IMPLIED
>

<!-- additional attributes on button element
-->
<!ATTLIST %button.qname;
    onfocus %Script.datatype; #IMPLIED
    onblur %Script.datatype; #IMPLIED
>

<!-- additional attributes on body element
-->
<!ATTLIST %body.qname;
    onload %Script.datatype; #IMPLIED
    onunload %Script.datatype; #IMPLIED
>

<!-- additional attributes on area element
-->
<!ATTLIST %area.qname;
    onfocus %Script.datatype; #IMPLIED
    onblur %Script.datatype; #IMPLIED
>

<!-- end of xhtml-events-1.mod -->

```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-events-1.mod
```

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dimensional graphics in XML.

The Scalable Vector Graphics (SVG)

Copyright 2001, 2002 World Wide Web Consortium

(Massachusetts Institute of Technology, Institut National de
Recherche en Informatique et en Automatique, Keio University).

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representation about the suitability of the DTD for any purpose.

It is provided "as is" without expressed or implied warranty.

Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>

Revision: \$Id: svg11.dtd,v 1.2 2002/04/20 18:07:43 fujisawa Exp \$

dimensional graphics in XML.

Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.

Revision: \$Id: svg

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg11-flat.dtd

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg11-flat-20030114.dtd

No license file was found, but licenses were detected in source scan.

<!-- -->
<!-- XHTML Name Identifier Module -->
<!-- file: xhtml-nameident-1.mod

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
Revision: \$Id: xhtml-nameident-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ELEMENTS XHTML Name Identifier 1.0//EN"
SYSTEM "http://www.w3.org/Markup/DTD/xhtml-nameident-1.mod"

Revisions:
(none)
..... -->

<!-- Name Identifier

'name' attribute on form, img, a, map, applet, frame, iframe

This module declares the 'name' attribute on element types when it is used as a node identifier for legacy linking and scripting support. This does not include those instances when 'name' is used as a container for form control, property or metainformation names.

This module should be instantiated following all modules it modifies.

-->

```
<!ENTITY % form.attlist "IGNORE" >
<![%form.attlist;[
<!ATTLIST %form.qname;
    name      CDATA          #IMPLIED
>
<!-- end of form.attlist -->]]>
```

```
<!ENTITY % img.attlist "IGNORE" >
<![%img.attlist;[
<!ATTLIST %img.qname;
    name      CDATA          #IMPLIED
>
<!-- end of img.attlist -->]]>
```

```
<!ENTITY % a.attlist "IGNORE" >
<![%a.attlist;[
<!ATTLIST %a.qname;
    name      CDATA          #IMPLIED
>
<!-- end of a.attlist -->]]>
```

```
<!ENTITY % map.attlist "IGNORE" >
<![%map.attlist;[
<!ATTLIST %map.qname;
    name      CDATA          #IMPLIED
>
<!-- end of map.attlist -->]]>
```

```
<!ENTITY % applet.attlist "IGNORE" >
<![%applet.attlist;[
<!ATTLIST %applet.qname;
    name      CDATA          #IMPLIED
>
<!-- end of applet.attlist -->]]>
```

```
<!ENTITY % frame.attlist "IGNORE" >
<![%frame.attlist;[
<!ATTLIST %frame.qname;
```

```

    name      CDATA          #IMPLIED
>
<!-- end of frame.attlist -->]]>

<!ENTITY % iframe.attlist "IGNORE" >
<![%iframe.attlist;[
<!ATTLIST %iframe.qname;
    name      CDATA          #IMPLIED
>
<!-- end of iframe.attlist -->]]>

<!-- end of xhtml-nameident.mod -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-nameident-1.mod

```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- XHTML Basic 1.1 Document Model Module ..... -->
<!-- file: xhtml-basic11-model-1.mod

```

This is XHTML Basic, a proper subset of XHTML.

Copyright 1998-2007 W3C (MIT, ERCIM, Keio), All Rights Reserved.

Revision: \$Id: xhtml-basic11-model-1.mod,v 1.4 2008/03/28 13:07:30 smccarro Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```

PUBLIC "-//W3C//ENTITIES XHTML Basic 1.1 Document Model 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-basic11-model-1.mod"

```

Revisions:

(none)

```

..... -->

```

```

<!-- XHTML Basic Document Model

```

This module describes the groupings of elements that make up
common content models for XHTML elements.

```

-->

```

```

<!-- Optional Elements in head ..... -->

```

```

<!ENTITY % HeadOpts.mix
    "( %script.qname; | %style.qname; | %meta.qname;
    | %link.qname; | %object.qname; )" * >

```

```

<!-- script and noscript are used to contain scripts

```

```

    and alternative content
-->
<!ENTITY % Script.class "| %script.qname; | %noscript.qname;" >

<!-- Miscellaneous Elements ..... -->

<!ENTITY % Misc.extra "" >

<!-- These elements are neither block nor inline, and can
    essentially be used anywhere in the document body.
-->
<!ENTITY % Misc.class
    "%Script.class;
    %Misc.extra;"
>

<!-- Inline Elements ..... -->

<!ENTITY % InlStruct.class "%br.qname; | %span.qname;" >

<!ENTITY % InlPhras.class
    "| %em.qname; | %strong.qname; | %dfn.qname; | %code.qname;
    | %samp.qname; | %kbd.qname; | %var.qname; | %cite.qname;
    | %abbr.qname; | %acronym.qname; | %q.qname;" >

<!ENTITY % InlPres.class
    "| %tt.qname; | %i.qname; | %b.qname; | %big.qname;
    | %small.qname; | %sub.qname; | %sup.qname;" >

<!ENTITY % I18n.class "" >

<!ENTITY % Anchor.class "| %a.qname;" >

<!ENTITY % InlSpecial.class "| %img.qname; | %object.qname;" >

<!ENTITY % InlForm.class
    "| %input.qname; | %select.qname; | %textarea.qname;
    | %label.qname; | %button.qname;" >

<!ENTITY % Inline.extra "" >

<!ENTITY % Inline.class
    "%InlStruct.class;
    %InlPhras.class;
    %InlPres.class;
    %Anchor.class;
    %InlSpecial.class;
    %InlForm.class;

```

```

    %Inline.extra;"
>

<!ENTITY % InlNoAnchor.class
    "%InlStruct.class;
    %InlPhras.class;
    %InlPres.class;
    %InlSpecial.class;
    %InlForm.class;
    %Inline.extra;"
>

<!ENTITY % InlNoAnchor.mix
    "%InlNoAnchor.class;
    %Misc.class;"
>

<!ENTITY % Inline.mix
    "%Inline.class;
    %Misc.class;"
>

<!-- Block Elements ..... -->

<!ENTITY % Heading.class
    "%h1.qname; | %h2.qname; | %h3.qname;
    | %h4.qname; | %h5.qname; | %h6.qname;"
>
<!ENTITY % List.class "%ul.qname; | %ol.qname; | %dl.qname;" >

<!ENTITY % Table.class "| %table.qname;" >

<!ENTITY % Form.class "| %form.qname;" >

<!ENTITY % Fieldset.class "| %fieldset.qname;" >

<!ENTITY % BlkStruct.class "%p.qname; | %div.qname;" >

<!ENTITY % BlkPhras.class
    "| %pre.qname; | %blockquote.qname; | %address.qname;"
>

<!ENTITY % BlkPres.class "| %hr.qname;" >

<!ENTITY % BlkSpecial.class
    "%Table.class;
    %Form.class;
    %Fieldset.class;"

```

```
>

<!ENTITY % Block.extra "" >

<!ENTITY % Block.class
"%BlkStruct.class;
%BlkPhras.class;
%BlkPres.class;
%BlkSpecial.class;
%Block.extra;"
>

<!ENTITY % Block.mix
"%Heading.class;
| %List.class;
| %Block.class;
%Misc.class;"
>

<!-- All Content Elements ..... -->

<!-- declares all content except tables
-->
<!ENTITY % FlowNoTable.mix
"%Heading.class;
| %List.class;
| %BlkStruct.class;
%BlkPhras.class;
%Form.class;
%Block.extra;
| %Inline.class;
%Misc.class;"
>

<!ENTITY % Flow.mix
"%Heading.class;
| %List.class;
| %Block.class;
| %Inline.class;
%Misc.class;"
>

<!-- end of xhtml-basic11-model-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-  
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-basic11-model-1.mod
```


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SVG 1.1 Basic DTD

This is SVG Basic, a proper subset of SVG.

The Scalable Vector Graphics (SVG)

Copyright 2001, 2002 World Wide Web Consortium

(Massachusetts Institute of Technology, Institut National de
Recherche en Informatique et en Automatique, Keio University).

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representation about the suitability of the DTD for any purpose.

It is provided "as is" without expressed or implied warranty.

Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>

Revision: \$Id: svg11

dimensional graphics in XML.

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Revision: \$Id: svg

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg11-basic-flat.dtd

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->  
<!-- SVG 1.1 Basic Attribute Collection Module ..... -->  
<!-- file: svg11-basic-attribs.mod
```

This is SVG Basic, a proper subset of SVG.

Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.

Revision: \$Id: svg11-basic-attribs.mod,v 1.5 2002/11/14 15:11:03 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ENTITIES SVG 1.1 Basic Attribute Collection//EN"

SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg11-basic-attribs.mod"

```
..... -->
```

```
<!-- SVG 1.1 Basic Attribute Collection
```

This module defines the set of common attributes that can be present on many SVG elements.

-->

<!-- module: svg-conditional.mod -->

<!ENTITY % ExtensionList.datatype "CDATA" >

<!ENTITY % FeatureList.datatype "CDATA" >

<!ENTITY % SVG.Conditional.extra.attrib "" >

<!ENTITY % SVG.Conditional.attrib

"requiredFeatures %FeatureList.datatype; #IMPLIED

requiredExtensions %ExtensionList.datatype; #IMPLIED

systemLanguage %LanguageCodes.datatype; #IMPLIED

%SVG.Conditional.extra.attrib;"

>

<!-- module: svg-style.mod -->

<!ENTITY % ClassList.datatype "CDATA" >

<!ENTITY % StyleSheet.datatype "CDATA" >

<!ENTITY % SVG.Style.extra.attrib "" >

<!ENTITY % SVG.Style.attrib

"style %StyleSheet.datatype; #IMPLIED

class %ClassList.datatype; #IMPLIED

%SVG.Style.extra.attrib;"

>

<!-- module: svg-text.mod -->

<!ENTITY % BaselineShiftValue.datatype "CDATA" >

<!ENTITY % FontFamilyValue.datatype "CDATA" >

<!ENTITY % FontSizeValue.datatype "CDATA" >

<!ENTITY % FontSizeAdjustValue.datatype "CDATA" >

<!ENTITY % GlyphOrientationHorizontalValue.datatype "CDATA" >

<!ENTITY % GlyphOrientationVerticalValue.datatype "CDATA" >

<!ENTITY % KerningValue.datatype "CDATA" >

<!ENTITY % SpacingValue.datatype "CDATA" >

<!ENTITY % TextDecorationValue.datatype "CDATA" >

<!ENTITY % SVG.Text.extra.attrib "" >

<!ENTITY % SVG.Text.attrib

"writing-mode (lr-tb | rl-tb | tb-rl | lr | rl | tb | inherit) #IMPLIED

%SVG.Text.extra.attrib;"

>

<!ENTITY % SVG.TextContent.extra.attrib "" >

```

<!ENTITY % SVG.TextContent.attrib
"alignment-baseline ( auto | baseline | before-edge | text-before-edge |
    middle | central | after-edge | text-after-edge |
    ideographic | alphabetic | hanging | mathematical |
    inherit ) #IMPLIED
baseline-shift %BaselineShiftValue.datatype; #IMPLIED
direction ( ltr | rtl | inherit ) #IMPLIED
dominant-baseline ( auto | use-script | no-change | reset-size |
    ideographic | alphabetic | hanging | mathematical |
    central | middle | text-after-edge | text-before-edge |
    inherit ) #IMPLIED
glyph-orientation-horizontal %GlyphOrientationHorizontalValue.datatype;
    #IMPLIED
glyph-orientation-vertical %GlyphOrientationVerticalValue.datatype;
    #IMPLIED
kerning %KerningValue.datatype; #IMPLIED
letter-spacing %SpacingValue.datatype; #IMPLIED
text-anchor ( start | middle | end | inherit ) #IMPLIED
text-decoration %TextDecorationValue.datatype; #IMPLIED
unicode-bidi ( normal | embed | bidi-override | inherit ) #IMPLIED
word-spacing %SpacingValue.datatype; #IMPLIED
%SVG.TextContent.extra.attrib;"
>

```

```

<!ENTITY % SVG.Font.extra.attrib "" >

```

```

<!ENTITY % SVG.Font.attrib
"font-family %FontFamilyValue.datatype; #IMPLIED
font-size %FontSizeValue.datatype; #IMPLIED
font-size-adjust %FontSizeAdjustValue.datatype; #IMPLIED
font-stretch ( normal | wider | narrower | ultra-condensed |
    extra-condensed | condensed | semi-condensed |
    semi-expanded | expanded | extra-expanded |
    ultra-expanded | inherit ) #IMPLIED
font-style ( normal | italic | oblique | inherit ) #IMPLIED
font-variant ( normal | small-caps | inherit ) #IMPLIED
font-weight ( normal | bold | bolder | lighter | 100 | 200 | 300 | 400 |
    500 | 600 | 700 | 800 | 900 | inherit ) #IMPLIED
%SVG.Font.extra.attrib;"
>

```

```

<!-- module: svg-profile.mod ..... -->

```

```

<!ENTITY % SVG.ColorProfile.extra.attrib "" >

```

```

<!ENTITY % SVG.ColorProfile.attrib
"color-profile CDATA #IMPLIED
%SVG.ColorProfile.extra.attrib;"
>

```

<!-- module: svg-gradient.mod -->

<!ENTITY % NumberOrPercentage.datatype "CDATA" >

<!ENTITY % SVG.Gradient.extra.attrib "" >

<!ENTITY % SVG.Gradient.attrib

"stop-color %SVGColor.datatype; #IMPLIED
stop-opacity %OpacityValue.datatype; #IMPLIED
%SVG.Gradient.extra.attrib;"

>

<!-- module: svg-basic-clip.mod -->

<!ENTITY % ClipPathValue.datatype "CDATA" >

<!ENTITY % SVG.Clip.extra.attrib "" >

<!ENTITY % SVG.Clip.attrib

"clip-path %ClipPathValue.datatype; #IMPLIED
clip-rule %ClipFillRule.datatype; #IMPLIED
%SVG.Clip.extra.attrib;"

>

<!-- module: svg-mask.mod -->

<!ENTITY % MaskValue.datatype "CDATA" >

<!ENTITY % SVG.Mask.extra.attrib "" >

<!ENTITY % SVG.Mask.attrib

"mask %MaskValue.datatype; #IMPLIED
%SVG.Mask.extra.attrib;"

>

<!-- module: svg-basic-filter.mod -->

<!ENTITY % FilterValue.datatype "CDATA" >

<!ENTITY % NumberOptionalNumber.datatype "CDATA" >

<!ENTITY % SVG.Filter.extra.attrib "" >

<!ENTITY % SVG.Filter.attrib

"filter %FilterValue.datatype; #IMPLIED
%SVG.Filter.extra.attrib;"

>

<!ENTITY % SVG.FilterColor.extra.attrib "" >

<!ENTITY % SVG.FilterColor.attrib

"color-interpolation-filters (auto | sRGB | linearRGB | inherit)
#IMPLIED
%SVG.FilterColor.extra.attrib;"

>

<!-- end of svg11-basic-attrs.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/svg11/svg11-basic-attrs.mod

No license file was found, but licenses were detected in source scan.

<!-- -->

<!-- XHTML Common Attributes Module -->

<!-- file: xhtml-attrs-1.mod

This is XHTML, a reformulation of HTML as a modular XML application.

Copyright 1998-2000 W3C (MIT, INRIA, Keio), All Rights Reserved.

Revision: \$Id: xhtml-attrs-1.mod,v 1.1 2001/02/13 12:24:21 ht Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ENTITIES XHTML Common Attributes 1.0//EN"

SYSTEM "http://www.w3.org/TR/xhtml-modulization/DTD/xhtml-attrs-1.mod"

Revisions:

(none)

..... -->

<!-- Common Attributes

This module declares many of the common attributes for the XHTML DTD.

%NS.decl.attr; is declared in the XHTML QName module.

-->

<!ENTITY % id.attr

"id ID #IMPLIED"

>

<!ENTITY % class.attr

"class NMTOKENS #IMPLIED"

>

<!ENTITY % title.attr

"title %Text.datatype; #IMPLIED"

>

<!ENTITY % Core.extra.attr "" >

<!ENTITY % Core.attr

"%XHTML.xmlns.attr;

```
%id.attrib;
%class.attrib;
%title.attrib;
%Core.extra.attrib;"
>
```

```
<!ENTITY % lang.attrib
  "xml:lang  %LanguageCode.datatype; #IMPLIED"
>
```

```
<![%XHTML.bidi;[
<!ENTITY % dir.attrib
  "dir      ( ltr | rtl )      #IMPLIED"
>
```

```
<!ENTITY % I18n.attrib
  "%dir.attrib;
  %lang.attrib;"
>
```

```
]]>
<!ENTITY % I18n.attrib
  "%lang.attrib;"
>
```

```
<!ENTITY % Common.extra.attrib "" >
```

```
<!-- intrinsic event attributes declared previously
-->
<!ENTITY % Events.attrib "" >
```

```
<!ENTITY % Common.attrib
  "%Core.attrib;
  %I18n.attrib;
  %Events.attrib;
  %Common.extra.attrib;"
>
```

```
<!-- end of xhtml-attribs-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/rddl/xhtml-attribs-1.mod
```

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```
<!-- ..... -->
<!-- SVG 1.1 Qualified Name Module ..... -->
<!-- file: svg-qname.mod
```

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-qname.mod,v 1.3 2002/11/03 15:54:14 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES SVG 1.1 Qualified Name//EN"  
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-qname.mod"
```

```
..... -->
```

```
<!-- Qualified Name
```

This module is contained in two parts, labeled Section 'A' and 'B':

Section A declares parameter entities to support namespace-qualified names, namespace declarations, and name prefixing for SVG and extensions.

Section B declares parameter entities used to provide namespace-qualified names for all SVG element types:

```
-->
```

```
<!-- Section A: SVG XML Namespace Framework ..... -->
```

```
<!-- 1. Declare a %SVG.prefixes; conditional section keyword, used  
to activate namespace prefixing. The default value should  
inherit '%NS.prefixes;' from the DTD driver, so that unless  
overridden, the default behaviour follows the overall DTD  
prefixing scheme.
```

```
-->
```

```
<!ENTITY % NS.prefixes "IGNORE" >  
<!ENTITY % SVG.prefixes "%NS.prefixes;" >
```

```
<!-- 2. Declare a parameter entity (eg., %SVG.xmlns;) containing  
the URI reference used to identify the SVG namespace:
```

```
-->
```

```
<!ENTITY % SVG.xmlns "http://www.w3.org/2000/svg" >  
<!ENTITY % XLINK.xmlns "http://www.w3.org/1999/xlink" >
```

```
<!-- 3. Declare parameter entities (eg., %SVG.prefix;) containing  
the default namespace prefix string(s) to use when prefixing  
is enabled. This may be overridden in the DTD driver or the  
internal subset of a document instance. If no default prefix  
is desired, this may be declared as an empty string.
```

```
-->
```

```
<!ENTITY % SVG.prefix "" >
```

```
<!ENTITY % XLINK.prefix "xlink" >
```

```
<!-- 4. Declare parameter entities (eg., %SVG.pfx;) containing the  
colonized prefix(es) (eg., %SVG.prefix;') used when  
prefixing is active, an empty string when it is not.
```

```
-->
```

```
<![%SVG.prefixed;[
```

```
<!ENTITY % SVG.pfx "%SVG.prefix;" >
```

```
]]>
```

```
<!ENTITY % SVG.pfx "" >
```

```
<!ENTITY % XLINK.pfx "%XLINK.prefix;" >
```

```
<!-- 5. The parameter entity %SVG.xmlns.extra.attrib; may be  
redeclared to contain any non-SVG namespace declaration  
attributes for namespaces embedded in SVG. The default  
is an empty string.
```

```
-->
```

```
<!ENTITY % SVG.xmlns.extra.attrib "" >
```

```
<!-- Declare a parameter entity XLINK.xmlns.attrib containing  
the XML Namespace declarations for XLink.
```

```
-->
```

```
<!ENTITY % XLINK.xmlns.attrib
```

```
"xmlns:%XLINK.prefix; %URI.datatype; #FIXED '%XLINK.xmlns;'"
```

```
>
```

```
<!-- Declare a parameter entity %NS.decl.attrib; containing  
all XML Namespace declarations used in the DTD, plus the  
xmlns declaration for SVG, its form dependent on whether  
prefixing is active.
```

```
-->
```

```
<![%SVG.prefixed;[
```

```
<!ENTITY % NS.decl.attrib
```

```
"xmlns:%SVG.prefix; %URI.datatype; #FIXED '%SVG.xmlns;'
```

```
%XLINK.xmlns.attrib;
```

```
%SVG.xmlns.extra.attrib;"
```

```
>
```

```
]]>
```

```
<!ENTITY % NS.decl.attrib
```

```
"%XLINK.xmlns.attrib;
```

```
%SVG.xmlns.extra.attrib;"
```

```
>
```

```
<!-- Declare a parameter entity %SVG.xmlns.attrib; containing  
all XML namespace declaration attributes used by SVG,  
including a default xmlns attribute when prefixing is  
inactive.
```

```
-->
```



```

<![%SVG.prefixed;[
<!ENTITY % SVG.xmlns.attrib
  "%NS.decl.attrib;"
>
]]>
<!ENTITY % SVG.xmlns.attrib
  "xmlns %URI.datatype; #FIXED '%SVG.xmlns;'"
  %XLINK.xmlns.attrib;"
>

<!-- Section B: SVG Qualified Names ..... -->

<!-- 6. This section declares parameter entities used to provide
  namespace-qualified names for all SVG element types.
-->

<!-- module: svg-structure.mod ..... -->

<!ENTITY % SVG.svg.qname "%SVG.pfx;svg" >
<!ENTITY % SVG.g.qname "%SVG.pfx;g" >
<!ENTITY % SVG.defs.qname "%SVG.pfx;defs" >
<!ENTITY % SVG.desc.qname "%SVG.pfx;desc" >
<!ENTITY % SVG.title.qname "%SVG.pfx;title" >
<!ENTITY % SVG.metadata.qname "%SVG.pfx;metadata" >
<!ENTITY % SVG.symbol.qname "%SVG.pfx;symbol" >
<!ENTITY % SVG.use.qname "%SVG.pfx;use" >

<!-- module: svg-conditional.mod ..... -->

<!ENTITY % SVG.switch.qname "%SVG.pfx;switch" >

<!-- module: svg-image.mod ..... -->

<!ENTITY % SVG.image.qname "%SVG.pfx;image" >

<!-- module: svg-style.mod ..... -->

<!ENTITY % SVG.style.qname "%SVG.pfx;style" >

<!-- module: svg-shape.mod ..... -->

<!ENTITY % SVG.path.qname "%SVG.pfx;path" >
<!ENTITY % SVG.rect.qname "%SVG.pfx;rect" >
<!ENTITY % SVG.circle.qname "%SVG.pfx;circle" >
<!ENTITY % SVG.line.qname "%SVG.pfx;line" >
<!ENTITY % SVG.ellipse.qname "%SVG.pfx;ellipse" >
<!ENTITY % SVG.polyline.qname "%SVG.pfx;polyline" >
<!ENTITY % SVG.polygon.qname "%SVG.pfx;polygon" >

```

```

<!-- module: svg-text.mod ..... -->

<!ENTITY % SVG.text.qname "%SVG.pfx;text" >
<!ENTITY % SVG.tspan.qname "%SVG.pfx;tspan" >
<!ENTITY % SVG.tref.qname "%SVG.pfx;tref" >
<!ENTITY % SVG.textPath.qname "%SVG.pfx;textPath" >
<!ENTITY % SVG.altGlyph.qname "%SVG.pfx;altGlyph" >
<!ENTITY % SVG.altGlyphDef.qname "%SVG.pfx;altGlyphDef" >
<!ENTITY % SVG.altGlyphItem.qname "%SVG.pfx;altGlyphItem" >
<!ENTITY % SVG.glyphRef.qname "%SVG.pfx;glyphRef" >

<!-- module: svg-marker.mod ..... -->

<!ENTITY % SVG.marker.qname "%SVG.pfx;marker" >

<!-- module: svg-profile.mod ..... -->

<!ENTITY % SVG.color-profile.qname "%SVG.pfx;color-profile" >

<!-- module: svg-gradient.mod ..... -->

<!ENTITY % SVG.linearGradient.qname "%SVG.pfx;linearGradient" >
<!ENTITY % SVG.radialGradient.qname "%SVG.pfx;radialGradient" >
<!ENTITY % SVG.stop.qname "%SVG.pfx;stop" >

<!-- module: svg-pattern.mod ..... -->

<!ENTITY % SVG.pattern.qname "%SVG.pfx;pattern" >

<!-- module: svg-clip.mod ..... -->

<!ENTITY % SVG.clipPath.qname "%SVG.pfx;clipPath" >

<!-- module: svg-mask.mod ..... -->

<!ENTITY % SVG.mask.qname "%SVG.pfx;mask" >

<!-- module: svg-filter.mod ..... -->

<!ENTITY % SVG.filter.qname "%SVG.pfx;filter" >
<!ENTITY % SVG.feBlend.qname "%SVG.pfx;feBlend" >
<!ENTITY % SVG.feColorMatrix.qname "%SVG.pfx;feColorMatrix" >
<!ENTITY % SVG.feComponentTransfer.qname "%SVG.pfx;feComponentTransfer" >
<!ENTITY % SVG.feComposite.qname "%SVG.pfx;feComposite" >
<!ENTITY % SVG.feConvolveMatrix.qname "%SVG.pfx;feConvolveMatrix" >
<!ENTITY % SVG.feDiffuseLighting.qname "%SVG.pfx;feDiffuseLighting" >
<!ENTITY % SVG.feDisplacementMap.qname "%SVG.pfx;feDisplacementMap" >

```

<!ENTITY % SVG.feFlood.qname "%SVG.pfx;feFlood" >
<!ENTITY % SVG.feGaussianBlur.qname "%SVG.pfx;feGaussianBlur" >
<!ENTITY % SVG.feImage.qname "%SVG.pfx;feImage" >
<!ENTITY % SVG.feMerge.qname "%SVG.pfx;feMerge" >
<!ENTITY % SVG.feMergeNode.qname "%SVG.pfx;feMergeNode" >
<!ENTITY % SVG.feMorphology.qname "%SVG.pfx;feMorphology" >
<!ENTITY % SVG.feOffset.qname "%SVG.pfx;feOffset" >
<!ENTITY % SVG.feSpecularLighting.qname "%SVG.pfx;feSpecularLighting" >
<!ENTITY % SVG.feTile.qname "%SVG.pfx;feTile" >
<!ENTITY % SVG.feTurbulence.qname "%SVG.pfx;feTurbulence" >
<!ENTITY % SVG.feDistantLight.qname "%SVG.pfx;feDistantLight" >
<!ENTITY % SVG.fePointLight.qname "%SVG.pfx;fePointLight" >
<!ENTITY % SVG.feSpotLight.qname "%SVG.pfx;feSpotLight" >
<!ENTITY % SVG.feFuncR.qname "%SVG.pfx;feFuncR" >
<!ENTITY % SVG.feFuncG.qname "%SVG.pfx;feFuncG" >
<!ENTITY % SVG.feFuncB.qname "%SVG.pfx;feFuncB" >
<!ENTITY % SVG.feFuncA.qname "%SVG.pfx;feFuncA" >

<!-- module: svg-cursor.mod -->

<!ENTITY % SVG.cursor.qname "%SVG.pfx;cursor" >

<!-- module: svg-hyperlink.mod -->

<!ENTITY % SVG.a.qname "%SVG.pfx;a" >

<!-- module: svg-view.mod -->

<!ENTITY % SVG.view.qname "%SVG.pfx;view" >

<!-- module: svg-script.mod -->

<!ENTITY % SVG.script.qname "%SVG.pfx;script" >

<!-- module: svg-animation.mod -->

<!ENTITY % SVG.animate.qname "%SVG.pfx;animate" >

<!ENTITY % SVG.set.qname "%SVG.pfx;set" >

<!ENTITY % SVG.animateMotion.qname "%SVG.pfx;animateMotion" >

<!ENTITY % SVG.animateColor.qname "%SVG.pfx;animateColor" >

<!ENTITY % SVG.animateTransform.qname "%SVG.pfx;animateTransform" >

<!ENTITY % SVG.mpath.qname "%SVG.pfx;mpath" >

<!-- module: svg-font.mod -->

<!ENTITY % SVG.font.qname "%SVG.pfx;font" >

<!ENTITY % SVG.font-face.qname "%SVG.pfx;font-face" >

<!ENTITY % SVG.glyph.qname "%SVG.pfx;glyph" >

```
<!ENTITY % SVG.missing-glyph.qname "%SVG.pfx;missing-glyph" >
<!ENTITY % SVG.hkern.qname "%SVG.pfx;hkern" >
<!ENTITY % SVG.vkern.qname "%SVG.pfx;vkern" >
<!ENTITY % SVG.font-face-src.qname "%SVG.pfx;font-face-src" >
<!ENTITY % SVG.font-face-uri.qname "%SVG.pfx;font-face-uri" >
<!ENTITY % SVG.font-face-format.qname "%SVG.pfx;font-face-format" >
<!ENTITY % SVG.font-face-name.qname "%SVG.pfx;font-face-name" >
<!ENTITY % SVG.definition-src.qname "%SVG.pfx;definition-src" >

<!-- module: svg-extensibility.mod ..... -->

<!ENTITY % SVG.foreignObject.qname "%SVG.pfx;foreignObject" >

<!-- end of svg-qname.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-qname.mod
```

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This entity may be identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/mathml/mathml3/mathml3.dtd
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Base Architecture Module ..... -->
<!-- file: xhtml-arch-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.

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Revision: \$Id: xhtml-arch-1.mod,v 1.4 2008/10/08 21:02:30 jules Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Base Architecture 1.0//EN"  
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-arch-1.mod"
```

Revisions:

(none)

..... -->

<!-- This optional module includes declarations that enable XHTML to be used as a base architecture according to the 'Architectural Forms Definition Requirements' (Annex A.3, ISO/IEC 10744, 2nd edition). For more information on use of architectural forms, see the HyTime web site at:

<http://www.hytime.org/>

-->

<?IS10744 ArcBase xhtml ?>

<!NOTATION xhtml PUBLIC "-//W3C//NOTATION AFDR ARCBASE XHTML 1.1//EN" >

<!-- Entity declaration for associated Architectural DTD

-->

<!ENTITY xhtml-arch.dtd

PUBLIC "-//W3C//DTD XHTML Architecture 1.1//EN"

"xhtml11-arch.dtd" >

<?IS10744:arch xhtml

public-id = "-//W3C//NOTATION AFDR ARCBASE XHTML 1.1//EN"

dtd-public-id = "-//W3C//DTD XHTML 1.1//EN"

dtd-system-id = "xhtml11.dtd"

doc-elem-form = "html"

form-att = "html"

renamer-att = "htnames"

suppressor-att = "htsupp"

data-ignore-att = "htign"

auto = "ArcAuto"

options = "HtModReq HtModOpt"

HtModReq = "Framework Text Hypertext Lists Structure"

HtModOpt = "Standard"

?>

<!-- end of xhtml-arch-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/rddl/xhtml-arch-1.mod

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Intrinsic Events Module ..... -->
<!-- file: xhtml-events-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.
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Revision: \$Id: xhtml-events-1.mod,v 1.4 2008/10/08 21:02:30 jules Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES XHTML Intrinsic Events 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-events-1.mod"
```

Revisions:
(none)
..... -->

```
<!-- Intrinsic Event Attributes
```

These are the event attributes defined in HTML 4,
Section 18.2.3 "Intrinsic Events". This module must be
instantiated prior to the Attributes Module but after
the Datatype Module in the Modular Framework module.

"Note: Authors of HTML documents are advised that changes
are likely to occur in the realm of intrinsic events
(e.g., how scripts are bound to events). Research in
this realm is carried on by members of the W3C Document
Object Model Working Group (see the W3C Web site at
<http://www.w3.org/> for more information)."

```
-->
<!-- NOTE: Because the ATTLIST declarations in this module occur
before their respective ELEMENT declarations in other
modules, there may be a dependency on this module that
should be considered if any of the parameter entities used
for element type names (eg., %a.qname;) are redeclared.
-->
```

```
<!ENTITY % Events.attrib
"onclick %Script.datatype; #IMPLIED
ondblclick %Script.datatype; #IMPLIED
onmousedown %Script.datatype; #IMPLIED
onmouseup %Script.datatype; #IMPLIED
onmouseover %Script.datatype; #IMPLIED
onmousemove %Script.datatype; #IMPLIED
onmouseout %Script.datatype; #IMPLIED
```

```

    onkeypress %Script.datatype;    #IMPLIED
    onkeydown  %Script.datatype;    #IMPLIED
    onkeyup   %Script.datatype;    #IMPLIED"
>

<![%XHTML.global.attrs.prefixed;[
<!ENTITY % XHTML.global.events.attrib
"%XHTML.prefix::onclick %Script.datatype;    #IMPLIED
%XHTML.prefix::ondblclick %Script.datatype;    #IMPLIED
%XHTML.prefix::onmousedown %Script.datatype;    #IMPLIED
%XHTML.prefix::onmouseup %Script.datatype;    #IMPLIED
%XHTML.prefix::onmouseover %Script.datatype;    #IMPLIED
%XHTML.prefix::onmousemove %Script.datatype;    #IMPLIED
%XHTML.prefix::onmouseout %Script.datatype;    #IMPLIED
%XHTML.prefix::onkeypress %Script.datatype;    #IMPLIED
%XHTML.prefix::onkeydown %Script.datatype;    #IMPLIED
%XHTML.prefix::onkeyup %Script.datatype;    #IMPLIED"
>
]]>

<!-- additional attributes on anchor element
-->
<!ATTLIST %a.qname;
    onfocus %Script.datatype;    #IMPLIED
    onblur %Script.datatype;    #IMPLIED
>

<!-- additional attributes on form element
-->
<!ATTLIST %form.qname;
    onsubmit %Script.datatype;    #IMPLIED
    onreset %Script.datatype;    #IMPLIED
>

<!-- additional attributes on label element
-->
<!ATTLIST %label.qname;
    onfocus %Script.datatype;    #IMPLIED
    onblur %Script.datatype;    #IMPLIED
>

<!-- additional attributes on input element
-->
<!ATTLIST %input.qname;
    onfocus %Script.datatype;    #IMPLIED
    onblur %Script.datatype;    #IMPLIED
    onselect %Script.datatype;    #IMPLIED
    onchange %Script.datatype;    #IMPLIED

```

```
>
<!-- additional attributes on select element
-->
<!ATTLIST %select.qname;
    onfocus %Script.datatype; #IMPLIED
    onblur %Script.datatype; #IMPLIED
    onchange %Script.datatype; #IMPLIED
>
```

```
<!-- additional attributes on textarea element
-->
<!ATTLIST %textarea.qname;
    onfocus %Script.datatype; #IMPLIED
    onblur %Script.datatype; #IMPLIED
    onselect %Script.datatype; #IMPLIED
    onchange %Script.datatype; #IMPLIED
>
```

```
<!-- additional attributes on button element
-->
<!ATTLIST %button.qname;
    onfocus %Script.datatype; #IMPLIED
    onblur %Script.datatype; #IMPLIED
>
```

```
<!-- additional attributes on body element
-->
<!ATTLIST %body.qname;
    onload %Script.datatype; #IMPLIED
    onunload %Script.datatype; #IMPLIED
>
```

```
<!-- additional attributes on area element
-->
<!ATTLIST %area.qname;
    onfocus %Script.datatype; #IMPLIED
    onblur %Script.datatype; #IMPLIED
>
```

```
<!-- end of xhtml-events-1.mod -->
```

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/rddl/xhtml-events-1.mod

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
```



```

<!-- XHTML Basic Table Module ..... -->
<!-- file: xhtml-basic-table-1.mod

This is XHTML Basic, a proper subset of XHTML.
Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
Revision: $Id: xhtml-basic-table-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp $ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ELEMENTS XHTML Basic Tables 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-basic-table-1.mod"

Revisions:
(none)
..... -->

<!-- Basic Tables

    table, caption, tr, th, td

This table module declares elements and attributes defining
a table model based fundamentally on features found in the
widely-deployed HTML 3.2 table model. While this module
mimics the content model and table attributes of HTML 3.2
tables, the element types declared herein also includes all
HTML 4 common and most of the HTML 4 table attributes.

-->

<!-- declare qualified element type names:
-->
<!ENTITY % table.qname "table" >
<!ENTITY % caption.qname "caption" >
<!ENTITY % tr.qname "tr" >
<!ENTITY % th.qname "th" >
<!ENTITY % td.qname "td" >

<!-- horizontal alignment attributes for cell contents
-->
<!ENTITY % CellHAlign.attrib
    "align    ( left
                | center
                | right )      #IMPLIED"
>

<!-- vertical alignment attributes for cell contents
-->
<!ENTITY % CellVAlign.attrib
    "valign   ( top

```

```

        | middle
        | bottom )      #IMPLIED"
>

<!-- scope is simpler than axes attribute for common tables
-->
<!ENTITY % scope.attrib
      "scope      ( row | col )      #IMPLIED"
>

<!-- table: Table Element ..... -->

<!ENTITY % table.element "INCLUDE" >
<![%table.element;[
<!ENTITY % table.content
      "( %caption.qname;?, %tr.qname;+ )"
>
<!ELEMENT %table.qname; %table.content; >
<!-- end of table.element -->]]>

<!ENTITY % table.attlist "INCLUDE" >
<![%table.attlist;[
<!ATTLIST %table.qname;
      %Common.attrib;
      summary      %Text.datatype;      #IMPLIED
      width        %Length.datatype;    #IMPLIED
>
<!-- end of table.attlist -->]]>

<!-- caption: Table Caption ..... -->

<!ENTITY % caption.element "INCLUDE" >
<![%caption.element;[
<!ENTITY % caption.content
      "( #PCDATA | %Inline.mix; )*"
>
<!ELEMENT %caption.qname; %caption.content; >
<!-- end of caption.element -->]]>

<!ENTITY % caption.attlist "INCLUDE" >
<![%caption.attlist;[
<!ATTLIST %caption.qname;
      %Common.attrib;
>
<!-- end of caption.attlist -->]]>

<!-- tr: Table Row ..... -->

```

```

<!ENTITY % tr.element "INCLUDE" >
<![%tr.element;[
<!ENTITY % tr.content "( %th.qname; | %td.qname; )+" >
<!ELEMENT %tr.qname; %tr.content; >
<!-- end of tr.element -->]]>

```

```

<!ENTITY % tr.attlist "INCLUDE" >
<![%tr.attlist;[
<!ATTLIST %tr.qname;
    %Common.attrib;
    %CellHAlign.attrib;
    %CellVAlign.attrib;
>
<!-- end of tr.attlist -->]]>

```

<!-- th: Table Header Cell -->

<!-- th is for header cells, td for data,
but for cells acting as both use td
-->

```

<!ENTITY % th.element "INCLUDE" >
<![%th.element;[
<!ENTITY % th.content
    "( #PCDATA | %FlowNoTable.mix; )*"
>
<!ELEMENT %th.qname; %th.content; >
<!-- end of th.element -->]]>

```

```

<!ENTITY % th.attlist "INCLUDE" >
<![%th.attlist;[
<!ATTLIST %th.qname;
    %Common.attrib;
    abbr      %Text.datatype;      #IMPLIED
    axis      CDATA                 #IMPLIED
    headers   IDREFS                #IMPLIED
    %scope.attrib;
    rowspan   %Number.datatype;     '1'
    colspan   %Number.datatype;     '1'
    %CellHAlign.attrib;
    %CellVAlign.attrib;
>
<!-- end of th.attlist -->]]>

```

<!-- td: Table Data Cell -->

```

<!ENTITY % td.element "INCLUDE" >
<![%td.element;[

```

```
<!ENTITY % td.content
  "( #PCDATA | %FlowNoTable.mix; )*"
>
<!ELEMENT %td.qname; %td.content; >
<!-- end of td.element -->]]>
```

```
<!ENTITY % td.attlist "INCLUDE" >
<![%td.attlist;[
<!ATTLIST %td.qname;
  %Common.attrib;
  abbr      %Text.datatype;      #IMPLIED
  axis      CDATA                 #IMPLIED
  headers   IDREFS                #IMPLIED
  %scope.attrib;
  rowspan   %Number.datatype;     '1'
  colspan   %Number.datatype;     '1'
  %CellHAlign.attrib;
  %CellVAlign.attrib;
>
<!-- end of td.attlist -->]]>
```

```
<!-- end of xhtml-basic-table-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-basic-table-1.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Common Attributes Module ..... -->
<!-- file: xhtml-attribs-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
Revision: \$Id: xhtml-attribs-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES XHTML Common Attributes 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-attribs-1.mod"
```

Revisions:

(none)

```
..... -->
```

```
<!-- Common Attributes
```

This module declares many of the common attributes for the XHTML DTD.

%NS.decl.attrib; is declared in the XHTML QName module.

Note that this file was extended in XHTML Modularization 1.1 to include declarations of "global" versions of the attribute collections. The global versions of the attributes are for use on elements in other namespaces. The global version of "common" includes the xmlns declaration for the prefixed version of the xhtml namespace. If you are only using a specific attribute or an individual attribute collection, you must also include the XHTML.xmlns.attrib.prefixed PE on your elements.

-->

```
<!ENTITY % id.attrib
  "id      ID          #IMPLIED"
>
```

```
<![%XHTML.global.attrs.prefixed;[
<!ENTITY % XHTML.global.id.attrib
  "%XHTML.prefix;:id      ID      #IMPLIED"
>
]]>
```

```
<!ENTITY % class.attrib
  "class  NMTOKENS     #IMPLIED"
>
```

```
<![%XHTML.global.attrs.prefixed;[
<!ENTITY % XHTML.global.class.attrib
  "%XHTML.prefix;:class  NMTOKENS     #IMPLIED"
>
]]>
```

```
<!ENTITY % title.attrib
  "title  %Text.datatype;  #IMPLIED"
>
```

```
<![%XHTML.global.attrs.prefixed;[
<!ENTITY % XHTML.global.title.attrib
  "%XHTML.prefix;:title  %Text.datatype;  #IMPLIED"
>
]]>
```

```
<!ENTITY % Core.extra.attrib "" >
```

```
<!ENTITY % Core.attrib
  "%XHTML.xmlns.attrib;
  %id.attrib;
  %class.attrib;
  %title.attrib;
```

```

    xml:space ( preserve )      #FIXED 'preserve'
    %Core.extra.attrib;"
>

<!ENTITY % XHTML.global.core.extra.attrib "" >

<![%XHTML.global.attrs.prefixed;[

<!ENTITY % XHTML.global.core.attrib
    "%XHTML.global.id.attrib;
    %XHTML.global.class.attrib;
    %XHTML.global.title.attrib;
    %XHTML.global.core.extra.attrib;"
>
]]>

<!ENTITY % XHTML.global.core.attrib "" >

<!ENTITY % lang.attrib
    "xml:lang    %LanguageCode.datatype; #IMPLIED"
>

<![%XHTML.bidi;[
<!ENTITY % dir.attrib
    "dir        ( ltr | rtl )      #IMPLIED"
>

<!ENTITY % I18n.attrib
    "%dir.attrib;
    %lang.attrib;"
>

<![%XHTML.global.attrs.prefixed;[
<!ENTITY XHTML.global.i18n.attrib
    "%XHTML.prefix;;dir        ( ltr | rtl )      #IMPLIED
    %lang.attrib;"
>
]]>
<!ENTITY XHTML.global.i18n.attrib "" >

]]>
<!ENTITY % I18n.attrib
    "%lang.attrib;"
>
<!ENTITY % XHTML.global.i18n.attrib
    "%lang.attrib;"
>

```

```
<!ENTITY % Common.extra.attrib "" >
<!ENTITY % XHTML.global.common.extra.attrib "" >

<!-- intrinsic event attributes declared previously
-->
<!ENTITY % Events.attrib "" >

<!ENTITY % XHTML.global.events.attrib "" >

<!ENTITY % Common.attrib
"%Core.attrib;
%I18n.attrib;
%Events.attrib;
%Common.extra.attrib;"
>

<!ENTITY % XHTML.global.common.attrib
"%XHTML.xmlns.attrib.prefixed;
%XHTML.global.core.attrib;
%XHTML.global.i18n.attrib;
%XHTML.global.events.attrib;
%XHTML.global.common.extra.attrib;"
>

<!-- end of xhtml-attribs-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-attribs-1.mod
```

No license file was found, but licenses were detected in source scan.

```
<!--
```

File isotech.ent produced by the XSL script entities.xsl
from input data in unicode.xml.

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W3C Software Notice and License.

<http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231.html>

Please report any errors to David Carlisle
via the public W3C list www-math@w3.org.

The numeric character values assigned to each entity
(should) match the Unicode assignments in Unicode 5.x.

Entity names in this file are derived from files carrying the following notice:

(C) International Organization for Standardization 1991
Permission to copy in any form is granted for use with conforming SGML systems and applications as defined in ISO 8879, provided this notice is included in all copies.

-->

<!--

Public identifier: -//W3C//ENTITIES General Technical//EN//XML
System identifier: <http://www.w3.org/2003/entities/2007/isotech.ent>

The public identifier should always be used verbatim.
The system identifier may be changed to suit local requirements.

Typical invocation:

```
<!ENTITY % isotech PUBLIC
  "-//W3C//ENTITIES General Technical//EN//XML"
  "http://www.w3.org/2003/entities/2007/isotech.ent"
>
%isotech;
```

-->

<!ENTITY acd	"∿" ><!--SINE WAVE -->
<!ENTITY aleph	"ℵ" ><!--ALEF SYMBOL -->
<!ENTITY and	"∧" ><!--LOGICAL AND -->
<!ENTITY And	"⩓" ><!--DOUBLE LOGICAL AND -->
<!ENTITY andand	"⩕" ><!--TWO INTERSECTING LOGICAL AND -->
<!ENTITY andd	"⩜" ><!--LOGICAL AND WITH HORIZONTAL DASH -->
<!ENTITY andslope	"⩘" ><!--SLOPING LARGE AND -->
<!ENTITY andv	"⩚" ><!--LOGICAL AND WITH MIDDLE STEM -->
<!ENTITY angrt	"∟" ><!--RIGHT ANGLE -->
<!ENTITY angsph	"∢" ><!--SPHERICAL ANGLE -->
<!ENTITY angst	"Å" ><!--LATIN CAPITAL LETTER A WITH RING ABOVE -->
<!ENTITY ap	"≈" ><!--ALMOST EQUAL TO -->
<!ENTITY apacir	"⩯" ><!--ALMOST EQUAL TO WITH CIRCUMFLEX ACCENT -->
<!ENTITY awconint	"∳" ><!--ANTICLOCKWISE CONTOUR INTEGRAL -->
<!ENTITY awint	"⨑" ><!--ANTICLOCKWISE INTEGRATION -->
<!ENTITY becaus	"∵" ><!--BECAUSE -->
<!ENTITY bernou	"ℬ" ><!--SCRIPT CAPITAL B -->
<!ENTITY bne	"=⃥" ><!--EQUALS SIGN with reverse slash -->
<!ENTITY bnequiv	"≡⃥" ><!--IDENTICAL TO with reverse slash -->

<!ENTITY bnot	"⌐" ><!--REVERSED NOT SIGN -->
<!ENTITY bNot	"⫭" ><!--REVERSED DOUBLE STROKE NOT SIGN -->
<!ENTITY bottom	"⊥" ><!--UP TACK -->
<!ENTITY cap	"∩" ><!--INTERSECTION -->
<!ENTITY Cconint	"∰" ><!--VOLUME INTEGRAL -->
<!ENTITY cirfnint	"⨐" ><!--CIRCULATION FUNCTION -->
<!ENTITY compfn	"∘" ><!--RING OPERATOR -->
<!ENTITY cong	"≅" ><!--APPROXIMATELY EQUAL TO -->
<!ENTITY conint	"∮" ><!--CONTOUR INTEGRAL -->
<!ENTITY Conint	"∯" ><!--SURFACE INTEGRAL -->
<!ENTITY ctdot	"⋯" ><!--MIDLINE HORIZONTAL ELLIPSIS -->
<!ENTITY cup	"∪" ><!--UNION -->
<!ENTITY cwconint	"∲" ><!--CLOCKWISE CONTOUR INTEGRAL -->
<!ENTITY cwint	"∱" ><!--CLOCKWISE INTEGRAL -->
<!ENTITY cylcty	"⌭" ><!--CYLINDRICITY -->
<!ENTITY disin	"⋲" ><!--ELEMENT OF WITH LONG HORIZONTAL STROKE -->
<!ENTITY Dot	"¨" ><!--DIAERESIS -->
<!ENTITY DotDot	"⃜" ><!--COMBINING FOUR DOTS ABOVE -->
<!ENTITY dsol	"⧶" ><!--SOLIDUS WITH OVERBAR -->
<!ENTITY dtdot	"⋱" ><!--DOWN RIGHT DIAGONAL ELLIPSIS -->
<!ENTITY dwangle	"⦦" ><!--OBLIQUE ANGLE OPENING UP -->
<!ENTITY elinters	"⏧" ><!--ELECTRICAL INTERSECTION -->
<!ENTITY epar	"⋕" ><!--EQUAL AND PARALLEL TO -->
<!ENTITY eparsl	"⧣" ><!--EQUALS SIGN AND SLANTED PARALLEL -->
<!ENTITY equiv	"≡" ><!--IDENTICAL TO -->
<!ENTITY eqvparsl	"⧥" ><!--IDENTICAL TO AND SLANTED PARALLEL -->
<!ENTITY exist	"∃" ><!--THERE EXISTS -->
<!ENTITY fltns	"▱" ><!--WHITE PARALLELOGRAM -->
<!ENTITY fnof	"ƒ" ><!--LATIN SMALL LETTER F WITH HOOK -->
<!ENTITY forall	"∀" ><!--FOR ALL -->
<!ENTITY fpartint	"⨍" ><!--FINITE PART INTEGRAL -->
<!ENTITY ge	"≥" ><!--GREATER-THAN OR EQUAL TO -->
<!ENTITY hamilt	"ℋ" ><!--SCRIPT CAPITAL H -->
<!ENTITY iff	"⇔" ><!--LEFT RIGHT DOUBLE ARROW -->
<!ENTITY iinfin	"⧜" ><!--INCOMPLETE INFINITY -->
<!ENTITY imped	"Ƶ" ><!--LATIN CAPITAL LETTER Z WITH STROKE -->
<!ENTITY infin	"∞" ><!--INFINITY -->
<!ENTITY infintie	"⧝" ><!--TIE OVER INFINITY -->
<!ENTITY int	"∫" ><!--INTEGRAL -->
<!ENTITY Int	"∬" ><!--DOUBLE INTEGRAL -->
<!ENTITY intlarhk	"⨗" ><!--INTEGRAL WITH LEFTWARDS ARROW WITH HOOK -->
<!ENTITY isin	"∈" ><!--ELEMENT OF -->
<!ENTITY isindot	"⋵" ><!--ELEMENT OF WITH DOT ABOVE -->
<!ENTITY isinE	"⋹" ><!--ELEMENT OF WITH TWO HORIZONTAL STROKES -->
<!ENTITY isins	"⋴" ><!--SMALL ELEMENT OF WITH VERTICAL BAR AT END OF HORIZONTAL STROKE -->
<!ENTITY isinsv	"⋳" ><!--ELEMENT OF WITH VERTICAL BAR AT END OF HORIZONTAL STROKE -->

<!ENTITY isinv	"∈" ><!--ELEMENT OF -->
<!ENTITY lagran	"ℒ" ><!--SCRIPT CAPITAL L -->
<!ENTITY lang	"⟨" ><!--MATHEMATICAL LEFT ANGLE BRACKET -->
<!ENTITY Lang	"⟪" ><!--MATHEMATICAL LEFT DOUBLE ANGLE BRACKET -->
<!ENTITY lArr	"⇐" ><!--LEFTWARDS DOUBLE ARROW -->
<!ENTITY lbrkr	"❲" ><!--LIGHT LEFT TORTOISE SHELL BRACKET ORNAMENT -->
<!ENTITY le	"≤" ><!--LESS-THAN OR EQUAL TO -->
<!ENTITY loang	"⟬" ><!--MATHEMATICAL LEFT WHITE TORTOISE SHELL BRACKET -->
>	
<!ENTITY lobrk	"⟦" ><!--MATHEMATICAL LEFT WHITE SQUARE BRACKET -->
<!ENTITY lopar	"⦅" ><!--LEFT WHITE PARENTHESIS -->
<!ENTITY lowast	"∗" ><!--ASTERISK OPERATOR -->
<!ENTITY minus	"−" ><!--MINUS SIGN -->
<!ENTITY mnplus	"∓" ><!--MINUS-OR-PLUS SIGN -->
<!ENTITY nabla	"∇" ><!--NABLA -->
<!ENTITY ne	"≠" ><!--NOT EQUAL TO -->
<!ENTITY nedot	"≐̸" ><!--APPROACHES THE LIMIT with slash -->
<!ENTITY nhpar	"⫲" ><!--PARALLEL WITH HORIZONTAL STROKE -->
<!ENTITY ni	"∋" ><!--CONTAINS AS MEMBER -->
<!ENTITY nis	"⋼" ><!--SMALL CONTAINS WITH VERTICAL BAR AT END OF HORIZONTAL STROKE -->
<!ENTITY nisd	"⋺" ><!--CONTAINS WITH LONG HORIZONTAL STROKE -->
<!ENTITY niv	"∋" ><!--CONTAINS AS MEMBER -->
<!ENTITY Not	"⫬" ><!--DOUBLE STROKE NOT SIGN -->
<!ENTITY notin	"∉" ><!--NOT AN ELEMENT OF -->
<!ENTITY notindot	"⋵̸" ><!--ELEMENT OF WITH DOT ABOVE with slash -->
<!ENTITY notinE	"⋹̸" ><!--ELEMENT OF WITH TWO HORIZONTAL STROKES with slash -->
<!ENTITY notinva	"∉" ><!--NOT AN ELEMENT OF -->
<!ENTITY notinvb	"⋷" ><!--SMALL ELEMENT OF WITH OVERBAR -->
<!ENTITY notinvc	"⋶" ><!--ELEMENT OF WITH OVERBAR -->
<!ENTITY notni	"∌" ><!--DOES NOT CONTAIN AS MEMBER -->
<!ENTITY notniva	"∌" ><!--DOES NOT CONTAIN AS MEMBER -->
<!ENTITY notnivb	"⋾" ><!--SMALL CONTAINS WITH OVERBAR -->
<!ENTITY notnivc	"⋽" ><!--CONTAINS WITH OVERBAR -->
<!ENTITY nparsl	"⫽⃥" ><!--DOUBLE SOLIDUS OPERATOR with reverse slash -->
<!ENTITY npart	"∂̸" ><!--PARTIAL DIFFERENTIAL with slash -->
<!ENTITY npolint	"⨔" ><!--LINE INTEGRATION NOT INCLUDING THE POLE -->
<!ENTITY nvinfin	"⧞" ><!--INFINITY NEGATED WITH VERTICAL BAR -->
<!ENTITY olcross	"⦻" ><!--CIRCLE WITH SUPERIMPOSED X -->
<!ENTITY or	"∨" ><!--LOGICAL OR -->
<!ENTITY Or	"⩔" ><!--DOUBLE LOGICAL OR -->
<!ENTITY ord	"⩝" ><!--LOGICAL OR WITH HORIZONTAL DASH -->
<!ENTITY order	"ℴ" ><!--SCRIPT SMALL O -->
<!ENTITY oror	"⩖" ><!--TWO INTERSECTING LOGICAL OR -->
<!ENTITY orslope	"⩗" ><!--SLOPING LARGE OR -->
<!ENTITY orv	"⩛" ><!--LOGICAL OR WITH MIDDLE STEM -->
<!ENTITY par	"∥" ><!--PARALLEL TO -->

<!ENTITY parsl	"⫽" ><!--DOUBLE SOLIDUS OPERATOR -->
<!ENTITY part	"∂" ><!--PARTIAL DIFFERENTIAL -->
<!ENTITY permil	"‰" ><!--PER MILLE SIGN -->
<!ENTITY perp	"⊥" ><!--UP TACK -->
<!ENTITY pertenk	"‱" ><!--PER TEN THOUSAND SIGN -->
<!ENTITY phmmat	"ℳ" ><!--SCRIPT CAPITAL M -->
<!ENTITY pointint	"⨕" ><!--INTEGRAL AROUND A POINT OPERATOR -->
<!ENTITY prime	"′" ><!--PRIME -->
<!ENTITY Prime	"″" ><!--DOUBLE PRIME -->
<!ENTITY profalar	"⌮" ><!--ALL AROUND-PROFILE -->
<!ENTITY profline	"⌒" ><!--ARC -->
<!ENTITY profsurf	"⌓" ><!--SEGMENT -->
<!ENTITY prop	"∝" ><!--PROPORTIONAL TO -->
<!ENTITY qint	"⨌" ><!--QUADRUPLE INTEGRAL OPERATOR -->
<!ENTITY qprime	"⁗" ><!--QUADRUPLE PRIME -->
<!ENTITY quatint	"⨖" ><!--QUATERNION INTEGRAL OPERATOR -->
<!ENTITY radic	"√" ><!--SQUARE ROOT -->
<!ENTITY rang	"⟩" ><!--MATHEMATICAL RIGHT ANGLE BRACKET -->
<!ENTITY Rang	"⟫" ><!--MATHEMATICAL RIGHT DOUBLE ANGLE BRACKET -->
<!ENTITY rArr	"⇒" ><!--RIGHTWARDS DOUBLE ARROW -->
<!ENTITY rbrbk	"❳" ><!--LIGHT RIGHT TORTOISE SHELL BRACKET ORNAMENT -->
<!ENTITY roang	"⟭" ><!--MATHEMATICAL RIGHT WHITE TORTOISE SHELL BRACKET -->
<!ENTITY robrk	"⟧" ><!--MATHEMATICAL RIGHT WHITE SQUARE BRACKET -->
<!ENTITY ropar	"⦆" ><!--RIGHT WHITE PARENTHESIS -->
<!ENTITY rppolint	"⨒" ><!--LINE INTEGRATION WITH RECTANGULAR PATH AROUND POLE -->
<!ENTITY scpolint	"⨓" ><!--LINE INTEGRATION WITH SEMICIRCULAR PATH AROUND POLE -->
<!ENTITY sim	"∼" ><!--TILDE OPERATOR -->
<!ENTITY simdot	"⩪" ><!--TILDE OPERATOR WITH DOT ABOVE -->
<!ENTITY sime	"≃" ><!--ASYMPTOTICALLY EQUAL TO -->
<!ENTITY smeparsl	"⧤" ><!--EQUALS SIGN AND SLANTED PARALLEL WITH TILDE ABOVE -->
<!ENTITY square	"□" ><!--WHITE SQUARE -->
<!ENTITY squarf	"▪" ><!--BLACK SMALL SQUARE -->
<!ENTITY strns	"¯" ><!--MACRON -->
<!ENTITY sub	"⊂" ><!--SUBSET OF -->
<!ENTITY sube	"⊆" ><!--SUBSET OF OR EQUAL TO -->
<!ENTITY sup	"⊃" ><!--SUPERSET OF -->
<!ENTITY supe	"⊇" ><!--SUPERSET OF OR EQUAL TO -->
<!ENTITY tdot	"⃛" ><!--COMBINING THREE DOTS ABOVE -->
<!ENTITY there4	"∴" ><!--THEREFORE -->
<!ENTITY tint	"∭" ><!--TRIPLE INTEGRAL -->
<!ENTITY top	"⊤" ><!--DOWN TACK -->
<!ENTITY topbot	"⌶" ><!--APL FUNCTIONAL SYMBOL I-BEAM -->
<!ENTITY topcir	"⫱" ><!--DOWN TACK WITH CIRCLE BELOW -->
<!ENTITY tprime	"‴" ><!--TRIPLE PRIME -->

```

<!ENTITY utdot      "⋰" ><!--UP RIGHT DIAGONAL ELLIPSIS -->
<!ENTITY uwangle    "⦧" ><!--OBLIQUE ANGLE OPENING DOWN -->
<!ENTITY vangrt     "⦜" ><!--RIGHT ANGLE VARIANT WITH SQUARE -->
<!ENTITY veeeq      "≚" ><!--EQUIANGULAR TO -->
<!ENTITY Verbar     "‖" ><!--DOUBLE VERTICAL LINE -->
<!ENTITY wedgeq     "≙" ><!--ESTIMATES -->
<!ENTITY xnis       "⋻" ><!--CONTAINS WITH VERTICAL BAR AT END OF HORIZONTAL
STROKE -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/mathml/mathml3/isotech.ent

```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- SVG 1.1 Cursor Module ..... -->
<!-- file: svg-cursor.mod

```

This is SVG, a language for describing two-dimensional graphics in XML.
 Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
 Revision: \$Id: svg-cursor.mod,v 1.3 2002/10/24 17:40:15 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```

PUBLIC "-//W3C//ELEMENTS SVG 1.1 Cursor//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-cursor.mod"

```

```

..... -->

```

```

<!-- Cursor

```

```

    cursor

```

This module declares markup to provide support for cursor.

```

-->

```

```

<!-- 'cursor' property/attribute value (e.g., 'crosshair', <uri>) -->

```

```

<!ENTITY % CursorValue.datatype "CDATA" >

```

```

<!-- Qualified Names (Default) ..... -->

```

```

<!ENTITY % SVG.cursor.qname "cursor" >

```

```

<!-- Attribute Collections (Default) ..... -->

```

```

<!ENTITY % SVG.Core.attrib "" >

```

```

<!ENTITY % SVG.Conditional.attrib "" >

```

```

<!ENTITY % SVG.XLinkRequired.attrib "" >

```

```

<!ENTITY % SVG.External.attrib "" >

<!-- SVG.Cursor.class ..... -->

<!ENTITY % SVG.Cursor.extra.class "" >

<!ENTITY % SVG.Cursor.class
  "| %SVG.cursor.qname; %SVG.Cursor.extra.class;"
>

<!-- SVG.Cursor.attrib ..... -->

<!ENTITY % SVG.Cursor.extra.attrib "" >

<!ENTITY % SVG.Cursor.attrib
  "cursor %CursorValue.datatype; #IMPLIED
  %SVG.Cursor.extra.attrib;"
>

<!-- cursor: Cursor Element ..... -->

<!ENTITY % SVG.cursor.extra.content "" >

<!ENTITY % SVG.cursor.element "INCLUDE" >
<![%SVG.cursor.element;[
<!ENTITY % SVG.cursor.content
  "( %SVG.Description.class; %SVG.cursor.extra.content; )*"
>
<!ELEMENT %SVG.cursor.qname; %SVG.cursor.content; >
<!-- end of SVG.cursor.element -->]]>

<!ENTITY % SVG.cursor.attlist "INCLUDE" >
<![%SVG.cursor.attlist;[
<!ATTLIST %SVG.cursor.qname;
  %SVG.Core.attrib;
  %SVG.Conditional.attrib;
  %SVG.XLinkRequired.attrib;
  %SVG.External.attrib;
  x %Coordinate.datatype; #IMPLIED
  y %Coordinate.datatype; #IMPLIED
>
<!-- end of SVG.cursor.attlist -->]]>

<!-- end of svg-cursor.mod -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-cursor.mod

```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Table Module ..... -->
<!-- file: xhtml-table-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
Revision: \$Id: xhtml-table-1.mod,v 4.1 2001/04/10 09:42:30 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Tables 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-table-1.mod"
```

Revisions:

(none)

```
..... -->
```

```
<!-- Tables
```

```
    table, caption, thead, tfoot, tbody, colgroup, col, tr, th, td
```

This module declares element types and attributes used to provide table markup similar to HTML 4, including features that enable better accessibility for non-visual user agents.

```
-->
```

```
<!-- declare qualified element type names:
```

```
-->
```

```
<!ENTITY % table.qname "table" >
<!ENTITY % caption.qname "caption" >
<!ENTITY % thead.qname "thead" >
<!ENTITY % tfoot.qname "tfoot" >
<!ENTITY % tbody.qname "tbody" >
<!ENTITY % colgroup.qname "colgroup" >
<!ENTITY % col.qname "col" >
<!ENTITY % tr.qname "tr" >
<!ENTITY % th.qname "th" >
<!ENTITY % td.qname "td" >
```

```
<!-- The frame attribute specifies which parts of the frame around
    the table should be rendered. The values are not the same as
    CALS to avoid a name clash with the valign attribute.
```

```
-->
```

```
<!ENTITY % frame.attrib
```

```
    "frame    ( void
                | above
```

```

| below
| hside
| lhs
| rhs
| vside
| box
| border )      #IMPLIED"
>

```

<!-- The rules attribute defines which rules to draw between cells:

If rules is absent then assume:

```

"none" if border is absent or border="0" otherwise "all"
-->
<!ENTITY % rules.attrib
"rules    ( none
| groups
| rows
| cols
| all )      #IMPLIED"
>

```

<!-- horizontal alignment attributes for cell contents

```

-->
<!ENTITY % CellHAlign.attrib
"align    ( left
| center
| right
| justify
| char )      #IMPLIED
char      %Character.datatype; #IMPLIED
charoff   %Length.datatype;   #IMPLIED"
>

```

<!-- vertical alignment attribute for cell contents

```

-->
<!ENTITY % CellVAlign.attrib
"valign   ( top
| middle
| bottom
| baseline ) #IMPLIED"
>

```

<!-- scope is simpler than axes attribute for common tables

```

-->
<!ENTITY % scope.attrib
"scope    ( row

```

```

        | col
        | rowgroup
        | colgroup )      #IMPLIED"
>

<!-- table: Table Element ..... -->

<!ENTITY % table.element "INCLUDE" >
<![%table.element;[
<!ENTITY % table.content
    "( %caption.qname;?, ( %col.qname;* | %colgroup.qname;* ),
    (( %thead.qname;?, %tfoot.qname;?, %tbody.qname;+ ) | ( %tr.qname;+ )))"
>
<!ELEMENT %table.qname; %table.content; >
<!-- end of table.element -->]]>

<!ENTITY % table.attlist "INCLUDE" >
<![%table.attlist;[
<!ATTLIST %table.qname;
    %Common.attrib;
    summary    %Text.datatype;      #IMPLIED
    width      %Length.datatype;    #IMPLIED
    border     %Pixels.datatype;    #IMPLIED
    %frame.attrib;
    %rules.attrib;
    cellspacing %Length.datatype;    #IMPLIED
    cellpadding %Length.datatype;    #IMPLIED
>
<!-- end of table.attlist -->]]>

<!-- caption: Table Caption ..... -->

<!ENTITY % caption.element "INCLUDE" >
<![%caption.element;[
<!ENTITY % caption.content
    "( #PCDATA | %Inline.mix; )*"
>
<!ELEMENT %caption.qname; %caption.content; >
<!-- end of caption.element -->]]>

<!ENTITY % caption.attlist "INCLUDE" >
<![%caption.attlist;[
<!ATTLIST %caption.qname;
    %Common.attrib;
>
<!-- end of caption.attlist -->]]>

<!-- thead: Table Header ..... -->

```


<!-- Use thead to duplicate headers when breaking table
across page boundaries, or for static headers when
tbody sections are rendered in scrolling panel.
-->

```
<!ENTITY % thead.element "INCLUDE" >
<![%thead.element;[
<!ENTITY % thead.content "( %tr.qname; )+" >
<!ELEMENT %thead.qname; %thead.content; >
<!-- end of thead.element -->]]>
```

```
<!ENTITY % thead.attlist "INCLUDE" >
<![%thead.attlist;[
<!ATTLIST %thead.qname;
    %Common.attrib;
    %CellHAlign.attrib;
    %CellVAlign.attrib;
>
<!-- end of thead.attlist -->]]>
```

<!-- tfoot: Table Footer -->

<!-- Use tfoot to duplicate footers when breaking table
across page boundaries, or for static footers when
tbody sections are rendered in scrolling panel.
-->

```
<!ENTITY % tfoot.element "INCLUDE" >
<![%tfoot.element;[
<!ENTITY % tfoot.content "( %tr.qname; )+" >
<!ELEMENT %tfoot.qname; %tfoot.content; >
<!-- end of tfoot.element -->]]>
```

```
<!ENTITY % tfoot.attlist "INCLUDE" >
<![%tfoot.attlist;[
<!ATTLIST %tfoot.qname;
    %Common.attrib;
    %CellHAlign.attrib;
    %CellVAlign.attrib;
>
<!-- end of tfoot.attlist -->]]>
```

<!-- tbody: Table Body -->

<!-- Use multiple tbody sections when rules are needed
between groups of table rows.
-->

```
<!ENTITY % tbody.element "INCLUDE" >
<![%tbody.element;[
<!ENTITY % tbody.content "( %tr.qname; )+" >
<!ELEMENT %tbody.qname; %tbody.content; >
<!-- end of tbody.element -->]]>
```

```
<!ENTITY % tbody.attlist "INCLUDE" >
<![%tbody.attlist;[
<!ATTLIST %tbody.qname;
    %Common.attrib;
    %CellHAlign.attrib;
    %CellVAlign.attrib;
>
<!-- end of tbody.attlist -->]]>
```

<!-- colgroup: Table Column Group -->

<!-- colgroup groups a set of col elements. It allows you to group several semantically-related columns together. -->

```
<!ENTITY % colgroup.element "INCLUDE" >
<![%colgroup.element;[
<!ENTITY % colgroup.content "( %col.qname; )*" >
<!ELEMENT %colgroup.qname; %colgroup.content; >
<!-- end of colgroup.element -->]]>
```

```
<!ENTITY % colgroup.attlist "INCLUDE" >
<![%colgroup.attlist;[
<!ATTLIST %colgroup.qname;
    %Common.attrib;
    span    %Number.datatype;    '1'
    width   %MultiLength.datatype; #IMPLIED
    %CellHAlign.attrib;
    %CellVAlign.attrib;
>
<!-- end of colgroup.attlist -->]]>
```

<!-- col: Table Column -->

<!-- col elements define the alignment properties for cells in one or more columns.

The width attribute specifies the width of the columns, e.g.

width="64" width in screen pixels

width="0.5*" relative width of 0.5

The span attribute causes the attributes of one col element to apply to more than one column.

-->

```
<!ENTITY % col.element "INCLUDE" >
<![%col.element;[
<!ENTITY % col.content "EMPTY" >
<!ELEMENT %col.qname; %col.content; >
<!-- end of col.element -->]]>
```

```
<!ENTITY % col.attlist "INCLUDE" >
<![%col.attlist;[
<!ATTLIST %col.qname;
    %Common.attrib;
    span    %Number.datatype;    '1'
    width   %MultiLength.datatype; #IMPLIED
    %CellHAlign.attrib;
    %CellVAlign.attrib;
>
<!-- end of col.attlist -->]]>
```

<!-- tr: Table Row -->

```
<!ENTITY % tr.element "INCLUDE" >
<![%tr.element;[
<!ENTITY % tr.content "( %th.qname; | %td.qname; )+" >
<!ELEMENT %tr.qname; %tr.content; >
<!-- end of tr.element -->]]>
```

```
<!ENTITY % tr.attlist "INCLUDE" >
<![%tr.attlist;[
<!ATTLIST %tr.qname;
    %Common.attrib;
    %CellHAlign.attrib;
    %CellVAlign.attrib;
>
<!-- end of tr.attlist -->]]>
```

<!-- th: Table Header Cell -->

<!-- th is for header cells, td for data,
but for cells acting as both use td
-->

```
<!ENTITY % th.element "INCLUDE" >
<![%th.element;[
```

```

<!ENTITY % th.content
  "( #PCDATA | %Flow.mix; )*"
>
<!ELEMENT %th.qname; %th.content; >
<!-- end of th.element -->]]>

<!ENTITY % th.attlist "INCLUDE" >
<![%th.attlist;[
<!ATTLIST %th.qname;
  %Common.attrib;
  abbr    %Text.datatype;    #IMPLIED
  axis    CDATA              #IMPLIED
  headers IDREFS            #IMPLIED
  %scope.attrib;
  rowspan %Number.datatype;  '1'
  colspan %Number.datatype;  '1'
  %CellHAlign.attrib;
  %CellVAlign.attrib;
>
<!-- end of th.attlist -->]]>

<!-- td: Table Data Cell ..... -->

<!ENTITY % td.element "INCLUDE" >
<![%td.element;[
<!ENTITY % td.content
  "( #PCDATA | %Flow.mix; )*"
>
<!ELEMENT %td.qname; %td.content; >
<!-- end of td.element -->]]>

<!ENTITY % td.attlist "INCLUDE" >
<![%td.attlist;[
<!ATTLIST %td.qname;
  %Common.attrib;
  abbr    %Text.datatype;    #IMPLIED
  axis    CDATA              #IMPLIED
  headers IDREFS            #IMPLIED
  %scope.attrib;
  rowspan %Number.datatype;  '1'
  colspan %Number.datatype;  '1'
  %CellHAlign.attrib;
  %CellVAlign.attrib;
>
<!-- end of td.attlist -->]]>

<!-- end of xhtml-table-1.mod -->

```

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/xhtml11/xhtml-table-1.mod

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Simplified Forms Module ..... -->
<!-- file: xhtml-basic-form-1.mod
```

This is XHTML Basic, a proper subset of XHTML.
Copyright 1998-2000 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: xhtml-basic-form-1.mod,v 1.1 2001/02/13 12:24:22 ht Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Basic Forms 1.0//EN"
SYSTEM "http://www.w3.org/TR/xhtml-modulization/DTD/xhtml-basic-form-1.mod"
```

Revisions:

(none)

```
..... -->
```

```
<!-- Basic Forms
```

This forms module is based on the HTML 3.2 forms model, with the WAI-requested addition of the label element. While this module essentially mimics the content model and attributes of HTML 3.2 forms, the element types declared herein also include all HTML 4 common attributes.

form, label, input, select, option, textarea

```
-->
```

```
<!-- declare qualified element type names:
```

```
-->
```

```
<!ENTITY % form.qname "form" >
<!ENTITY % label.qname "label" >
<!ENTITY % input.qname "input" >
<!ENTITY % select.qname "select" >
<!ENTITY % option.qname "option" >
<!ENTITY % textarea.qname "textarea" >
```

```
<!-- %BlkNoForm.mix; includes all non-form block elements,
plus %Misc.class;
```

```
-->
```

```
<!ENTITY % BlkNoForm.mix
```

```
"%Heading.class;
```

```
| %List.class;
```

```

    | %BlkStruct.class;
    %BlkPhras.class;
    %BlkPres.class;
    | %table.qname;
    %Block.extra;
    %Misc.class;"
>

<!-- form: Form Element ..... -->

<!ENTITY % form.element "INCLUDE" >
<![%form.element;[
<!ENTITY % form.content
    "( %BlkNoForm.mix; )+"
>
<!ELEMENT %form.qname; %form.content; >
<!-- end of form.element -->]]>

<!ENTITY % form.attlist "INCLUDE" >
<![%form.attlist;[
<!ATTLIST %form.qname;
    %Common.attrib;
    action    %URI.datatype;    #REQUIRED
    method    ( get | post )    'get'
    enctype   %ContentType.datatype; 'application/x-www-form-urlencoded'
>
<!-- end of form.attlist -->]]>

<!-- label: Form Field Label Text ..... -->

<!ENTITY % label.element "INCLUDE" >
<![%label.element;[
<!-- Each label must not contain more than ONE field
-->
<!ENTITY % label.content
    "( #PCDATA
    | %input.qname; | %select.qname; | %textarea.qname;
    | %InlStruct.class;
    %InlPhras.class;
    %I18n.class;
    %InlPres.class;
    %InlSpecial.class;
    %Misc.class; )*"
>
<!ELEMENT %label.qname; %label.content; >
<!-- end of label.element -->]]>

<!ENTITY % label.attlist "INCLUDE" >

```

```

<![%label.attlist;[
<!ATTLIST %label.qname;
    %Common.attrib;
    for      IDREF          #IMPLIED
    accesskey %Character.datatype; #IMPLIED
>
<!-- end of label.attlist -->]]>

<!-- input: Form Control ..... -->

<!ENTITY % input.element "INCLUDE" >
<![%input.element;[
<!ENTITY % input.content "EMPTY" >
<!ELEMENT %input.qname; %input.content; >
<!-- end of input.element -->]]>

<!-- Basic Forms removes 'image' and 'file' input types.
-->
<!ENTITY % input.attlist "INCLUDE" >
<![%input.attlist;[
<!ENTITY % InputType.class
    "( text | password | checkbox | radio
    | submit | reset | hidden )"
>
<!-- attribute name required for all but submit & reset
-->
<!ATTLIST %input.qname;
    %Common.attrib;
    type      %InputType.class;    'text'
    name      CDATA                #IMPLIED
    value     CDATA                #IMPLIED
    checked   ( checked )          #IMPLIED
    size      CDATA                #IMPLIED
    maxlength %Number.datatype;    #IMPLIED
    src       %URI.datatype;       #IMPLIED
    accesskey %Character.datatype; #IMPLIED
>
<!-- end of input.attlist -->]]>

<!-- select: Option Selector ..... -->

<!ENTITY % select.element "INCLUDE" >
<![%select.element;[
<!ENTITY % select.content "( %option.qname; )+" >
<!ELEMENT %select.qname; %select.content; >
<!-- end of select.element -->]]>

<!ENTITY % select.attlist "INCLUDE" >

```

```

<![%select.attlist;[
<!ATTLIST %select.qname;
    %Common.attrib;
    name    CDATA          #IMPLIED
    size    %Number.datatype; #IMPLIED
    multiple ( multiple )  #IMPLIED
>
<!-- end of select.attlist -->]]>

<!-- option: Selectable Choice ..... -->

<!ENTITY % option.element "INCLUDE" >
<![%option.element;[
<!ENTITY % option.content "( #PCDATA )" >
<!ELEMENT %option.qname; %option.content; >
<!-- end of option.element -->]]>

<!ENTITY % option.attlist "INCLUDE" >
<![%option.attlist;[
<!ATTLIST %option.qname;
    %Common.attrib;
    selected ( selected )  #IMPLIED
    value    CDATA          #IMPLIED
>
<!-- end of option.attlist -->]]>

<!-- textarea: Multi-Line Text Field ..... -->

<!ENTITY % textarea.element "INCLUDE" >
<![%textarea.element;[
<!ENTITY % textarea.content "( #PCDATA )" >
<!ELEMENT %textarea.qname; %textarea.content; >
<!-- end of textarea.element -->]]>

<!ENTITY % textarea.attlist "INCLUDE" >
<![%textarea.attlist;[
<!ATTLIST %textarea.qname;
    %Common.attrib;
    name    CDATA          #IMPLIED
    rows    %Number.datatype; #REQUIRED
    cols    %Number.datatype; #REQUIRED
    accesskey %Character.datatype; #IMPLIED
>
<!-- end of textarea.attlist -->]]>

<!-- end of xhtml-basic-form-1.mod -->

```

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/rddl/xhtml-basic-form-1.mod

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- SVG 1.1 XLink Attribute Module ..... -->
<!-- file: svg-xlink-attrib.mod
```

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-xlink-attrib.mod,v 1.2 2002/04/20 18:07:43 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES SVG 1.1 XLink Attribute//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-xlink-attrib.mod"
```

```
..... -->
```

```
<!-- XLink Attribute
```

type, href, role, arcrole, title, show, actuate

This module defines the XLink, XLinkRequired, XLinkEmbed, and XLinkReplace attribute set.

```
-->
```

```
<!ENTITY % SVG.XLink.extra.attrib "" >
```

```
<!ENTITY % SVG.XLink.attrib
"%XLINK.xmlns.attrib;
%XLINK.pfx;type ( simple ) #FIXED 'simple'
%XLINK.pfx;href %URI.datatype; #IMPLIED
%XLINK.pfx;role %URI.datatype; #IMPLIED
%XLINK.pfx;arcrole %URI.datatype; #IMPLIED
%XLINK.pfx;title CDATA #IMPLIED
%XLINK.pfx;show ( other ) 'other'
%XLINK.pfx;actuate ( onLoad ) #FIXED 'onLoad'
%SVG.XLink.extra.attrib;"
>
```

```
<!ENTITY % SVG.XLinkRequired.extra.attrib "" >
```

```
<!ENTITY % SVG.XLinkRequired.attrib
"%XLINK.xmlns.attrib;
%XLINK.pfx;type ( simple ) #FIXED 'simple'
%XLINK.pfx;href %URI.datatype; #REQUIRED
%XLINK.pfx;role %URI.datatype; #IMPLIED
```

```
%XLINK.pfx;arcrole %URI.datatype; #IMPLIED
%XLINK.pfx;title CDATA #IMPLIED
%XLINK.pfx;show ( other ) 'other'
%XLINK.pfx;actuate ( onLoad ) #FIXED 'onLoad'
%SVG.XLinkRequired.extra.attrib;"
>
```

```
<!ENTITY % SVG.XLinkEmbed.extra.attrib "" >
```

```
<!ENTITY % SVG.XLinkEmbed.attrib
"% XLINK.xmlns.attrib;
%XLINK.pfx;type ( simple ) #FIXED 'simple'
%XLINK.pfx;href %URI.datatype; #REQUIRED
%XLINK.pfx;role %URI.datatype; #IMPLIED
%XLINK.pfx;arcrole %URI.datatype; #IMPLIED
%XLINK.pfx;title CDATA #IMPLIED
%XLINK.pfx;show ( embed ) 'embed'
%XLINK.pfx;actuate ( onLoad ) #FIXED 'onLoad'
%SVG.XLinkEmbed.extra.attrib;"
>
```

```
<!ENTITY % SVG.XLinkReplace.extra.attrib "" >
```

```
<!ENTITY % SVG.XLinkReplace.attrib
"% XLINK.xmlns.attrib;
%XLINK.pfx;type ( simple ) #FIXED 'simple'
%XLINK.pfx;href %URI.datatype; #REQUIRED
%XLINK.pfx;role %URI.datatype; #IMPLIED
%XLINK.pfx;arcrole %URI.datatype; #IMPLIED
%XLINK.pfx;title CDATA #IMPLIED
%XLINK.pfx;show ( new | replace ) 'replace'
%XLINK.pfx;actuate ( onRequest ) #FIXED 'onRequest'
%SVG.XLinkReplace.extra.attrib;"
>
```

```
<!-- end of svg-xlink-attrib.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-xlink-attrib.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- MathML Qualified Names Module ..... -->
<!-- file: mathml2-qname-1.mod
```

This is the Mathematical Markup Language (MathML) 2.0, an XML application for describing mathematical notation and capturing

both its structure and content.

Copyright 1998-2000 W3C (MIT, INRIA, Keio), All Rights Reserved.

Revision: \$Id: mathml2-qname-1.mod,v 1.2 2003/04/08 00:11:16 davidc Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ENTITIES MathML 2.0 Qualified Names 1.0//EN"
SYSTEM "mathml2-qname-1.mod"

Revisions:

(none)

..... -->

<!-- MathML Qualified Names

This module is contained in two parts, labeled Section 'A' and 'B':

Section A declares parameter entities to support namespace-qualified names, namespace declarations, and name prefixing for MathML.

Section B declares parameter entities used to provide namespace-qualified names for all MathML element types.

This module is derived from the XHTML Qualified Names Template module.

-->

<!-- Section A: XHTML XML Namespace Framework -->

<!ENTITY % NS.prefix "IGNORE" >
<!ENTITY % MATHML.prefix "%NS.prefix;" >

<!-- XLink -->

<!ENTITY % XLINK.prefix "xlink" >
<!ENTITY % XLINK.xmlns "http://www.w3.org/1999/xlink" >
<!ENTITY % XLINK.xmlns.attrib
"xmlns:%XLINK.prefix; CDATA #FIXED '%XLINK.xmlns;'"
>

<!-- W3C XML Schema -->

<!ENTITY % Schema.prefix "xsi" >
<!ENTITY % Schema.xmlns "http://www.w3.org/2001/XMLSchema-instance" >
<!ENTITY % Schema.xmlns.attrib
"xmlns:%Schema.prefix; CDATA #IMPLIED"
>

```

<!-- MathML ..... -->

<!ENTITY % MATHML.xmlns "http://www.w3.org/1998/Math/MathML" >
<!ENTITY % MATHML.prefix "m" >
<![%MATHML.prefixed;[
<!ENTITY % MATHML.xmlns.extra.attrib "" >
]]>
<!ENTITY % MATHML.xmlns.extra.attrib
"%XLINK.xmlns.attrib;
%Schema.xmlns.attrib;" >

<![%MATHML.prefixed;[
<!ENTITY % MATHML.pfx "%MATHML.prefix;:" >
<!ENTITY % MATHML.xmlns.attrib
"xmlns:%MATHML.prefix; CDATA #FIXED '%MATHML.xmlns;'
%MATHML.xmlns.extra.attrib;"
>
]]>
<!ENTITY % MATHML.pfx "" >
<!ENTITY % MATHML.xmlns.attrib
"xmlns CDATA #FIXED '%MATHML.xmlns;'
%MATHML.xmlns.extra.attrib;"
>

<![%NS.prefixed;[
<!ENTITY % XHTML.xmlns.extra.attrib
"%MATHML.xmlns.attrib;" >
]]>
<!ENTITY % XHTML.xmlns.extra.attrib
"%XLINK.xmlns.attrib;
%Schema.xmlns.attrib;"
>

<!-- Section B: MathML Qualified Names ..... -->

<!-- 9. This section declares parameter entities used to provide
namespace-qualified names for all MathML element types.
-->

<!ENTITY % abs.qname "%MATHML.pfx;abs" >
<!ENTITY % and.qname "%MATHML.pfx;and" >
<!ENTITY % annotation-xml.qname "%MATHML.pfx;annotation-xml" >
<!ENTITY % annotation.qname "%MATHML.pfx;annotation" >
<!ENTITY % apply.qname "%MATHML.pfx;apply" >
<!ENTITY % approx.qname "%MATHML.pfx;approx" >
<!ENTITY % arccos.qname "%MATHML.pfx;arccos" >
<!ENTITY % arccosh.qname "%MATHML.pfx;arccosh" >

```

<!ENTITY % arccosh.qname "%MATHML.pfx;arccosh" >
 <!ENTITY % arccot.qname "%MATHML.pfx;arccot" >
 <!ENTITY % arccoth.qname "%MATHML.pfx;arccoth" >
 <!ENTITY % arccsc.qname "%MATHML.pfx;arccsc" >
 <!ENTITY % arccsch.qname "%MATHML.pfx;arccsch" >
 <!ENTITY % arcsec.qname "%MATHML.pfx;arcsec" >
 <!ENTITY % arcsech.qname "%MATHML.pfx;arcsech" >
 <!ENTITY % arcsin.qname "%MATHML.pfx;arcsin" >
 <!ENTITY % arcsinh.qname "%MATHML.pfx;arcsinh" >
 <!ENTITY % arctan.qname "%MATHML.pfx;arctan" >
 <!ENTITY % arctanh.qname "%MATHML.pfx;arctanh" >
 <!ENTITY % arg.qname "%MATHML.pfx;arg" >
 <!ENTITY % bvar.qname "%MATHML.pfx;bvar" >
 <!ENTITY % card.qname "%MATHML.pfx;card" >
 <!ENTITY % cartesianproduct.qname "%MATHML.pfx;cartesianproduct" >
 <!ENTITY % ceiling.qname "%MATHML.pfx;ceiling" >
 <!ENTITY % ci.qname "%MATHML.pfx;ci" >
 <!ENTITY % cn.qname "%MATHML.pfx;cn" >
 <!ENTITY % codomain.qname "%MATHML.pfx;codomain" >
 <!ENTITY % complexes.qname "%MATHML.pfx;complexes" >
 <!ENTITY % compose.qname "%MATHML.pfx;compose" >
 <!ENTITY % condition.qname "%MATHML.pfx;condition" >
 <!ENTITY % conjugate.qname "%MATHML.pfx;conjugate" >
 <!ENTITY % cos.qname "%MATHML.pfx;cos" >
 <!ENTITY % cosh.qname "%MATHML.pfx;cosh" >
 <!ENTITY % cot.qname "%MATHML.pfx;cot" >
 <!ENTITY % coth.qname "%MATHML.pfx;coth" >
 <!ENTITY % csc.qname "%MATHML.pfx;csc" >
 <!ENTITY % csch.qname "%MATHML.pfx;csch" >
 <!ENTITY % csymbol.qname "%MATHML.pfx;csymbol" >
 <!ENTITY % curl.qname "%MATHML.pfx;curl" >
 <!ENTITY % declare.qname "%MATHML.pfx;declare" >
 <!ENTITY % degree.qname "%MATHML.pfx;degree" >
 <!ENTITY % determinant.qname "%MATHML.pfx;determinant" >
 <!ENTITY % diff.qname "%MATHML.pfx;diff" >
 <!ENTITY % divergence.qname "%MATHML.pfx;divergence" >
 <!ENTITY % divide.qname "%MATHML.pfx;divide" >
 <!ENTITY % domain.qname "%MATHML.pfx;domain" >
 <!ENTITY % domainofapplication.qname "%MATHML.pfx;domainofapplication" >
 <!ENTITY % emptyset.qname "%MATHML.pfx;emptyset" >
 <!ENTITY % eq.qname "%MATHML.pfx;eq" >
 <!ENTITY % equivalent.qname "%MATHML.pfx;equivalent" >
 <!ENTITY % eulergamma.qname "%MATHML.pfx;eulergamma" >
 <!ENTITY % exists.qname "%MATHML.pfx;exists" >
 <!ENTITY % exp.qname "%MATHML.pfx;exp" >
 <!ENTITY % exponentiale.qname "%MATHML.pfx;exponentiale" >
 <!ENTITY % factorial.qname "%MATHML.pfx;factorial" >
 <!ENTITY % factorof.qname "%MATHML.pfx;factorof" >

<!ENTITY % false.qname	"%MATHML.pfx;false" >
<!ENTITY % floor.qname	"%MATHML.pfx;floor" >
<!ENTITY % fn.qname	"%MATHML.pfx;fn" >
<!ENTITY % forall.qname	"%MATHML.pfx;forall" >
<!ENTITY % gcd.qname	"%MATHML.pfx;gcd" >
<!ENTITY % geq.qname	"%MATHML.pfx;geq" >
<!ENTITY % grad.qname	"%MATHML.pfx;grad" >
<!ENTITY % gt.qname	"%MATHML.pfx;gt" >
<!ENTITY % ident.qname	"%MATHML.pfx;ident" >
<!ENTITY % image.qname	"%MATHML.pfx;image" >
<!ENTITY % imaginary.qname	"%MATHML.pfx;imaginary" >
<!ENTITY % imaginaryi.qname	"%MATHML.pfx;imaginaryi" >
<!ENTITY % implies.qname	"%MATHML.pfx;implies" >
<!ENTITY % in.qname	"%MATHML.pfx;in" >
<!ENTITY % infinity.qname	"%MATHML.pfx;infinity" >
<!ENTITY % int.qname	"%MATHML.pfx;int" >
<!ENTITY % integers.qname	"%MATHML.pfx;integers" >
<!ENTITY % intersect.qname	"%MATHML.pfx;intersect" >
<!ENTITY % interval.qname	"%MATHML.pfx;interval" >
<!ENTITY % inverse.qname	"%MATHML.pfx;inverse" >
<!ENTITY % lambda.qname	"%MATHML.pfx;lambda" >
<!ENTITY % laplacian.qname	"%MATHML.pfx;laplacian" >
<!ENTITY % lcm.qname	"%MATHML.pfx;lcm" >
<!ENTITY % leq.qname	"%MATHML.pfx;leq" >
<!ENTITY % limit.qname	"%MATHML.pfx;limit" >
<!ENTITY % list.qname	"%MATHML.pfx;list" >
<!ENTITY % ln.qname	"%MATHML.pfx;ln" >
<!ENTITY % log.qname	"%MATHML.pfx;log" >
<!ENTITY % logbase.qname	"%MATHML.pfx;logbase" >
<!ENTITY % lowlimit.qname	"%MATHML.pfx;lowlimit" >
<!ENTITY % lt.qname	"%MATHML.pfx;lt" >
<!ENTITY % maction.qname	"%MATHML.pfx;maction" >
<!ENTITY % maligngroup.qname	"%MATHML.pfx;maligngroup" >
<!ENTITY % malignmark.qname	"%MATHML.pfx;malignmark" >
<!ENTITY % math.qname	"%MATHML.pfx;math" >
<!ENTITY % matrix.qname	"%MATHML.pfx;matrix" >
<!ENTITY % matrixrow.qname	"%MATHML.pfx;matrixrow" >
<!ENTITY % max.qname	"%MATHML.pfx;max" >
<!ENTITY % mean.qname	"%MATHML.pfx;mean" >
<!ENTITY % median.qname	"%MATHML.pfx;median" >
<!ENTITY % menclose.qname	"%MATHML.pfx;menclose" >
<!ENTITY % merror.qname	"%MATHML.pfx;merror" >
<!ENTITY % mfenced.qname	"%MATHML.pfx;mfenced" >
<!ENTITY % mfrac.qname	"%MATHML.pfx;mfrac" >
<!ENTITY % mglyph.qname	"%MATHML.pfx;mglyph" >
<!ENTITY % mi.qname	"%MATHML.pfx;mi" >
<!ENTITY % min.qname	"%MATHML.pfx;min" >
<!ENTITY % minus.qname	"%MATHML.pfx;minus" >

<!ENTITY % mlabeldtr.qname "%MATHML.pfx;mlabeldtr" >
 <!ENTITY % mmultiscripts.qname "%MATHML.pfx;mmultiscripts" >
 <!ENTITY % mn.qname "%MATHML.pfx;mn" >
 <!ENTITY % mo.qname "%MATHML.pfx;mo" >
 <!ENTITY % mode.qname "%MATHML.pfx;mode" >
 <!ENTITY % moment.qname "%MATHML.pfx;moment" >
 <!ENTITY % momentabout.qname "%MATHML.pfx;momentabout" >
 <!ENTITY % mover.qname "%MATHML.pfx;mover" >
 <!ENTITY % mpadded.qname "%MATHML.pfx;mpadded" >
 <!ENTITY % mphantom.qname "%MATHML.pfx;mphantom" >
 <!ENTITY % mprescripts.qname "%MATHML.pfx;mprescripts" >
 <!ENTITY % mroot.qname "%MATHML.pfx;mroot" >
 <!ENTITY % mrow.qname "%MATHML.pfx;mrow" >
 <!ENTITY % ms.qname "%MATHML.pfx;ms" >
 <!ENTITY % mspace.qname "%MATHML.pfx;mspace" >
 <!ENTITY % msqrt.qname "%MATHML.pfx;msqrt" >
 <!ENTITY % mstyle.qname "%MATHML.pfx;mstyle" >
 <!ENTITY % msub.qname "%MATHML.pfx;msub" >
 <!ENTITY % msubsup.qname "%MATHML.pfx;msubsup" >
 <!ENTITY % msup.qname "%MATHML.pfx;msup" >
 <!ENTITY % mtable.qname "%MATHML.pfx;mtable" >
 <!ENTITY % mtd.qname "%MATHML.pfx;mtd" >
 <!ENTITY % mtext.qname "%MATHML.pfx;mtext" >
 <!ENTITY % mtr.qname "%MATHML.pfx;mtr" >
 <!ENTITY % munder.qname "%MATHML.pfx;munder" >
 <!ENTITY % munderover.qname "%MATHML.pfx;munderover" >
 <!ENTITY % naturalnumbers.qname "%MATHML.pfx;naturalnumbers" >
 <!ENTITY % neq.qname "%MATHML.pfx;neq" >
 <!ENTITY % none.qname "%MATHML.pfx;none" >
 <!ENTITY % not.qname "%MATHML.pfx;not" >
 <!ENTITY % notanumber.qname "%MATHML.pfx;notanumber" >
 <!ENTITY % notin.qname "%MATHML.pfx;notin" >
 <!ENTITY % notprsubset.qname "%MATHML.pfx;notprsubset" >
 <!ENTITY % notsubset.qname "%MATHML.pfx;notsubset" >
 <!ENTITY % or.qname "%MATHML.pfx;or" >
 <!ENTITY % otherwise.qname "%MATHML.pfx;otherwise" >
 <!ENTITY % outerproduct.qname "%MATHML.pfx;outerproduct" >
 <!ENTITY % partialdiff.qname "%MATHML.pfx;partialdiff" >
 <!ENTITY % pi.qname "%MATHML.pfx;pi" >
 <!ENTITY % piece.qname "%MATHML.pfx;piece" >
 <!ENTITY % piecewise.qname "%MATHML.pfx;piecewise" >
 <!ENTITY % plus.qname "%MATHML.pfx;plus" >
 <!ENTITY % power.qname "%MATHML.pfx;power" >
 <!ENTITY % primes.qname "%MATHML.pfx;primes" >
 <!ENTITY % product.qname "%MATHML.pfx;product" >
 <!ENTITY % prsubset.qname "%MATHML.pfx;prsubset" >
 <!ENTITY % quotient.qname "%MATHML.pfx;quotient" >
 <!ENTITY % rationals.qname "%MATHML.pfx;rational" >

```

<!ENTITY % real.qname      "%MATHML.pfx;real" >
<!ENTITY % reals.qname    "%MATHML.pfx;reals" >
<!ENTITY % reln.qname     "%MATHML.pfx;reln" >
<!ENTITY % rem.qname      "%MATHML.pfx;rem" >
<!ENTITY % root.qname     "%MATHML.pfx;root" >
<!ENTITY % scalarproduct.qname "%MATHML.pfx;scalarproduct" >
<!ENTITY % sdev.qname     "%MATHML.pfx;sdev" >
<!ENTITY % sec.qname      "%MATHML.pfx;sec" >
<!ENTITY % sech.qname     "%MATHML.pfx;sech" >
<!ENTITY % selector.qname "%MATHML.pfx;selector" >
<!ENTITY % semantics.qname "%MATHML.pfx;semantics" >
<!ENTITY % sep.qname      "%MATHML.pfx;sep" >
<!ENTITY % set.qname      "%MATHML.pfx;set" >
<!ENTITY % setdiff.qname  "%MATHML.pfx;setdiff" >
<!ENTITY % sin.qname      "%MATHML.pfx;sin" >
<!ENTITY % sinh.qname     "%MATHML.pfx;sinh" >
<!ENTITY % subset.qname   "%MATHML.pfx;subset" >
<!ENTITY % sum.qname      "%MATHML.pfx;sum" >
<!ENTITY % tan.qname      "%MATHML.pfx;tan" >
<!ENTITY % tanh.qname     "%MATHML.pfx;tanh" >
<!ENTITY % tendsto.qname  "%MATHML.pfx;tendsto" >
<!ENTITY % times.qname    "%MATHML.pfx;times" >
<!ENTITY % transpose.qname "%MATHML.pfx;transpose" >
<!ENTITY % true.qname     "%MATHML.pfx>true" >
<!ENTITY % union.qname    "%MATHML.pfx;union" >
<!ENTITY % uplimit.qname  "%MATHML.pfx;uplimit" >
<!ENTITY % variance.qname "%MATHML.pfx;variance" >
<!ENTITY % vector.qname   "%MATHML.pfx;vector" >
<!ENTITY % vectorproduct.qname "%MATHML.pfx;vectorproduct" >
<!ENTITY % xor.qname      "%MATHML.pfx;xor" >

```

<!-- ignores subsequent instantiation of this module when used as external subset rather than module fragment.

NOTE: Do not modify this parameter entity, otherwise a recursive parsing situation may result.

-->

```
<!ENTITY % mathml-qname.module "IGNORE" >
```

<!-- end of template-qname-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/mathml/mathml2/mathml2-qname-1.mod

No license file was found, but licenses were detected in source scan.

<!-- -->

<!-- SVG 1.1 Paint Attribute Module -->

<!-- file: svg-paint-attrib.mod

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-paint-attrib.mod,v 1.2 2002/04/20 18:07:43 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES SVG 1.1 Paint Attribute//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-paint-attrib.mod"
```

..... -->

<!-- Paint Attribute

fill, fill-rule, stroke, stroke-dasharray, stroke-dashoffset,
stroke-linecap, stroke-linejoin, stroke-miterlimit, stroke-width, color,
color-interpolation, color-rendering

This module defines the Paint and Color attribute sets.

-->

<!-- a 'fill' or 'stroke' property/attribute value: <paint> -->

<!ENTITY % Paint.datatype "CDATA" >

<!-- 'stroke-dasharray' property/attribute value (e.g., 'none', list of <number>s) -->

<!ENTITY % StrokeDashArrayValue.datatype "CDATA" >

<!-- 'stroke-dashoffset' property/attribute value (e.g., 'none', <length>) -->

<!ENTITY % StrokeDashOffsetValue.datatype "CDATA" >

<!-- 'stroke-miterlimit' property/attribute value (e.g., <number>) -->

<!ENTITY % StrokeMiterLimitValue.datatype "CDATA" >

<!-- 'stroke-width' property/attribute value (e.g., <length>) -->

<!ENTITY % StrokeWidthValue.datatype "CDATA" >

```
<!ENTITY % SVG.fill.attrib
"fill %Paint.datatype; #IMPLIED"
```

>

```
<!ENTITY % SVG.fill-rule.attrib
"fill-rule %ClipFillRule.datatype; #IMPLIED"
```

>

```
<!ENTITY % SVG.stroke.attrib
"stroke %Paint.datatype; #IMPLIED"
```

>

```
<!ENTITY % SVG.stroke-dasharray.attrib
"stroke-dasharray %StrokeDashArrayValue.datatype; #IMPLIED"
>
```

```
<!ENTITY % SVG.stroke-dashoffset.attrib
"stroke-dashoffset %StrokeDashOffsetValue.datatype; #IMPLIED"
>
```

```
<!ENTITY % SVG.stroke-linecap.attrib
"stroke-linecap ( butt | round | square | inherit ) #IMPLIED"
>
```

```
<!ENTITY % SVG.stroke-linejoin.attrib
"stroke-linejoin ( miter | round | bevel | inherit ) #IMPLIED"
>
```

```
<!ENTITY % SVG.stroke-miterlimit.attrib
"stroke-miterlimit %StrokeMiterLimitValue.datatype; #IMPLIED"
>
```

```
<!ENTITY % SVG.stroke-width.attrib
"stroke-width %StrokeWidthValue.datatype; #IMPLIED"
>
```

```
<!ENTITY % SVG.Paint.extra.attrib "" >
```

```
<!ENTITY % SVG.Paint.attrib
"%SVG.fill.attrib;
%SVG.fill-rule.attrib;
%SVG.stroke.attrib;
%SVG.stroke-dasharray.attrib;
%SVG.stroke-dashoffset.attrib;
%SVG.stroke-linecap.attrib;
%SVG.stroke-linejoin.attrib;
%SVG.stroke-miterlimit.attrib;
%SVG.stroke-width.attrib;
%SVG.Paint.extra.attrib;"
>
```

```
<!ENTITY % SVG.color.attrib
"color %Color.datatype; #IMPLIED"
>
```

```
<!ENTITY % SVG.color-interpolation.attrib
"color-interpolation ( auto | sRGB | linearRGB | inherit ) #IMPLIED"
>
```

```
<!ENTITY % SVG.color-rendering.attrib
"color-rendering ( auto | optimizeSpeed | optimizeQuality | inherit )
#IMPLIED"
>
```

```
<!ENTITY % SVG.Color.extra.attrib "" >
```

```
<!ENTITY % SVG.Color.attrib
"%SVG.color.attrib;
%SVG.color-interpolation.attrib;
%SVG.color-rendering.attrib;
%SVG.Color.extra.attrib;"
>
```

```
<!-- end of svg-paint-attrib.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-paint-attrib.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Document Metainformation Module ..... -->
<!-- file: xhtml-meta-2.mod
```

This is XHTML-RDFa, modules to annotate XHTML family documents.
Copyright 2007 W3C (MIT, ERCIM, Keio), All Rights Reserved.
Revision: \$Id: xhtml-meta-2.mod,v 1.1 2007/04/02 16:44:01 jigsaw Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Metainformation 2.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-meta-2.mod"
```

Revisions:

(none)

```
..... -->
```

```
<!-- Meta Information
```

```
meta
link
```

This module declares the meta and link element types,
used to provide declarative document metainformation.

```
-->
```

```
<!-- meta: Generic Metainformation ..... -->
```

```
<!ENTITY % meta.element "INCLUDE" >
<![%meta.element;[
<!ENTITY % meta.content "( #PCDATA | %Inline.mix; )" * >
<!ENTITY % meta.qname "meta" >
<!ELEMENT %meta.qname; %meta.content; >
<!-- end of meta.element -->]]>
```

```
<!ENTITY % meta.attlist "INCLUDE" >
<![%meta.attlist;[
<!ATTLIST %meta.qname;
    %Common.attrib;
    http-equiv  NMTOKEN          #IMPLIED
    name        NMTOKEN          #IMPLIED
    scheme      CDATA            #IMPLIED
>
<!-- end of meta.attlist -->]]>
```

<!-- link: Media-Independent Link -->

```
<!ENTITY % link.element "INCLUDE" >
<![%link.element;[
<!ENTITY % link.content "( %link.qname; | %meta.qname; )" * >
<!ENTITY % link.qname "link" >
<!ELEMENT %link.qname; %link.content; >
<!-- end of link.element -->]]>
```

```
<!ENTITY % link.attlist "INCLUDE" >
<![%link.attlist;[
<!ATTLIST %link.qname;
    %Common.attrib;
    charset  %Charset.datatype;  #IMPLIED
    type     %ContentType.datatype; #IMPLIED
    media    %MediaDesc.datatype; #IMPLIED
>
<!-- end of link.attlist -->]]>
```

<!-- end of xhtml-meta-2.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/xhtml11/xhtml-meta-2.mod

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- SVG 1.1 Tiny Attribute Collection Module ..... -->
<!-- file: svg11-tiny-attrs.mod
```

This is SVG Tiny, a proper subset of SVG.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg11-tiny-attrs.mod,v 1.3 2002/11/13 20:14:31 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES SVG 1.1 Tiny Attribute Collection//EN"  
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg11-tiny-attrs.mod"
```

```
..... -->
```

```
<!-- SVG 1.1 Tiny Attribute Collection
```

```
    This module defines the set of common attributes that can be present  
    on many SVG elements.
```

```
-->
```

```
<!-- module: svg-conditional.mod ..... -->
```

```
<!ENTITY % ExtensionList.datatype "CDATA" >
```

```
<!ENTITY % FeatureList.datatype "CDATA" >
```

```
<!ENTITY % SVG.Conditional.extra.attrib "" >
```

```
<!ENTITY % SVG.Conditional.attrib
```

```
    "requiredFeatures %FeatureList.datatype; #IMPLIED  
    requiredExtensions %ExtensionList.datatype; #IMPLIED  
    systemLanguage %LanguageCodes.datatype; #IMPLIED  
    %SVG.Conditional.extra.attrib;"
```

```
>
```

```
<!-- module: svg-basic-text.mod ..... -->
```

```
<!ENTITY % FontFamilyValue.datatype "CDATA" >
```

```
<!ENTITY % FontSizeValue.datatype "CDATA" >
```

```
<!ENTITY % SVG.TextContent.extra.attrib "" >
```

```
<!ENTITY % SVG.TextContent.attrib
```

```
    "text-anchor ( start | middle | end | inherit ) #IMPLIED  
    %SVG.TextContent.extra.attrib;"
```

```
>
```

```
<!ENTITY % SVG.Font.extra.attrib "" >
```

```
<!ENTITY % SVG.Font.attrib
```

```
    "font-family %FontFamilyValue.datatype; #IMPLIED  
    font-size %FontSizeValue.datatype; #IMPLIED  
    font-style ( normal | italic | oblique | inherit ) #IMPLIED  
    font-weight ( normal | bold | bolder | lighter | 100 | 200 | 300 | 400 |  
                500 | 600 | 700 | 800 | 900 | inherit ) #IMPLIED
```

```

    %SVG.Font.extra.attrib;"
>

<!-- end of svg11-tiny-attribs.mod -->

Found in path(s):
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg11-tiny-attribs.mod
No license file was found, but licenses were detected in source scan.

<!-- ..... -->
<!-- SVG 1.1 Core Attribute Module ..... -->
<!-- file: svg-core-attrib.mod

```

This is SVG, a language for describing two-dimensional graphics in XML.
 Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
 Revision: \$Id: svg-core-attrib.mod,v 1.3 2002/04/28 13:50:23 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```

PUBLIC "-//W3C//ENTITIES SVG 1.1 Core Attribute//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-core-attrib.mod"

```

```

..... -->

<!-- Core Attribute

    id, xml:base, xml:lang, xml:space

This module defines the core set of attributes that can be present on
any element.
-->

<!ENTITY % SVG.id.attrib
    "id ID #IMPLIED"
>

<!ENTITY % SVG.base.attrib
    "xml:base %URI.datatype; #IMPLIED"
>

<!ENTITY % SVG.lang.attrib
    "xml:lang %LanguageCode.datatype; #IMPLIED"
>

<!ENTITY % SVG.space.attrib
    "xml:space ( default | preserve ) #IMPLIED"
>

```

<!ENTITY % SVG.Core.extra.attrib "" >

<!ENTITY % SVG.Core.attrib

"%SVG.id.attrib;
%SVG.base.attrib;
%SVG.lang.attrib;
%SVG.space.attrib;
%SVG.Core.extra.attrib;"

>

<!-- end of svg-core-attrib.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/svg11/svg-core-attrib.mod

No license file was found, but licenses were detected in source scan.

<!-- -->

<!-- XHTML Inline Structural Module -->

<!-- file: xhtml-inlstruct-1.mod

This is XHTML, a reformulation of HTML as a modular XML application.

Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.

Revision: \$Id: xhtml-inlstruct-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ELEMENTS XHTML Inline Structural 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-inlstruct-1.mod"

Revisions:

(none)

..... -->

<!-- Inline Structural

br, span

This module declares the elements and their attributes
used to support inline-level structural markup.

-->

<!-- br: forced line break -->

<!ENTITY % br.element "INCLUDE" >

<![%br.element;[

```

<!ENTITY % br.content "EMPTY" >
<!ENTITY % br.qname "br" >
<!ELEMENT %br.qname; %br.content; >

<!-- end of br.element -->]]>

<!ENTITY % br.attlist "INCLUDE" >
<![%br.attlist;[
<!ATTLIST %br.qname;
    %Core.attrib;
>
<!-- end of br.attlist -->]]>

<!-- span: generic inline container ..... -->

<!ENTITY % span.element "INCLUDE" >
<![%span.element;[
<!ENTITY % span.content
    "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % span.qname "span" >
<!ELEMENT %span.qname; %span.content; >
<!-- end of span.element -->]]>

<!ENTITY % span.attlist "INCLUDE" >
<![%span.attlist;[
<!ATTLIST %span.qname;
    %Common.attrib;
>
<!-- end of span.attlist -->]]>

<!-- end of xhtml-instruct-1.mod -->

```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-instruct-1.mod
```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- XHTML Embedded Object Module ..... -->
<!-- file: xhtml-object-1.mod

```

This is XHTML, a reformulation of HTML as a modular XML application.
 Copyright 1998-2000 W3C (MIT, INRIA, Keio), All Rights Reserved.
 Revision: \$Id: xhtml-object-1.mod,v 1.1 2001/02/13 12:24:22 ht Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ELEMENTS XHTML Embedded Object 1.0//EN"
SYSTEM "http://www.w3.org/TR/xhtml-modulization/DTD/xhtml-object-1.mod"

Revisions:

(none)

..... -->

<!-- Embedded Objects

object

This module declares the object element type and its attributes,
used to embed external objects as part of XHTML pages. In the
document, place param elements prior to the object elements
that require their content.

Note that use of this module requires instantiation of the
Param Element Module prior to this module.

-->

<!-- object: Generic Embedded Object -->

```
<!ENTITY % object.element "INCLUDE" >
<![%object.element;[
<!ENTITY % object.content
  "( #PCDATA | %Flow.mix; | %param.qname; )*"
>
<!ENTITY % object.qname "object" >
<!ELEMENT %object.qname; %object.content; >
<!-- end of object.element -->]]>
```

```
<!ENTITY % object.attlist "INCLUDE" >
<![%object.attlist;[
<!ATTLIST %object.qname;
  %Common.attrib;
  declare ( declare ) #IMPLIED
  classid %URI.datatype; #IMPLIED
  codebase %URI.datatype; #IMPLIED
  data %URI.datatype; #IMPLIED
  type %ContentType.datatype; #IMPLIED
  codetype %ContentType.datatype; #IMPLIED
  archive %URIs.datatype; #IMPLIED
  standby %Text.datatype; #IMPLIED
  height %Length.datatype; #IMPLIED
  width %Length.datatype; #IMPLIED
  name CDATA #IMPLIED
  tabindex %Number.datatype; #IMPLIED
>
```

<!-- end of object.attlist -->]]>

<!-- end of xhtml-object-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/rddl/xhtml-object-1.mod

No license file was found, but licenses were detected in source scan.

<!--

File isoamsc.ent produced by the XSL script entities.xml
from input data in unicode.xml.

Copyright 1998 - 2009 W3C.

Use and distribution of this code are permitted under the terms of the
W3C Software Notice and License.

<http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231.html>

Please report any errors to David Carlisle
via the public W3C list www-math@w3.org.

The numeric character values assigned to each entity
(should) match the Unicode assignments in Unicode 5.x.

Entity names in this file are derived from files carrying the
following notice:

(C) International Organization for Standardization 1991
Permission to copy in any form is granted for use with
conforming SGML systems and applications as defined in
ISO 8879, provided this notice is included in all copies.

-->

<!--

Public identifier: [-//W3C//ENTITIES Added Math Symbols: Delimiters//EN//XML](#)
System identifier: <http://www.w3.org/2003/entities/2007/isoamsc.ent>

The public identifier should always be used verbatim.
The system identifier may be changed to suit local requirements.

Typical invocation:

```
<!ENTITY % isoamsc PUBLIC
"-//W3C//ENTITIES Added Math Symbols: Delimiters//EN//XML"
```

```

"http://www.w3.org/2003/entities/2007/isoamsc.ent"
>
%isoamsc;

-->

<!ENTITY dlcorn      "&#x0231E;" ><!--BOTTOM LEFT CORNER -->
<!ENTITY drcorn      "&#x0231F;" ><!--BOTTOM RIGHT CORNER -->
<!ENTITY gtlPar       "&#x02995;" ><!--DOUBLE LEFT ARC GREATER-THAN BRACKET -->
<!ENTITY langd        "&#x02991;" ><!--LEFT ANGLE BRACKET WITH DOT -->
<!ENTITY lbrke        "&#x0298B;" ><!--LEFT SQUARE BRACKET WITH UNDERBAR -->
<!ENTITY lbrksld      "&#x0298F;" ><!--LEFT SQUARE BRACKET WITH TICK IN BOTTOM CORNER -->
<!ENTITY lbrkslu      "&#x0298D;" ><!--LEFT SQUARE BRACKET WITH TICK IN TOP CORNER -->
<!ENTITY lceil        "&#x02308;" ><!--LEFT CEILING -->
<!ENTITY lfloor       "&#x0230A;" ><!--LEFT FLOOR -->
<!ENTITY lmoust       "&#x023B0;" ><!--UPPER LEFT OR LOWER RIGHT CURLY BRACKET SECTION --
>
<!ENTITY lparlt       "&#x02993;" ><!--LEFT ARC LESS-THAN BRACKET -->
<!ENTITY ltrPar       "&#x02996;" ><!--DOUBLE RIGHT ARC LESS-THAN BRACKET -->
<!ENTITY rangd        "&#x02992;" ><!--RIGHT ANGLE BRACKET WITH DOT -->
<!ENTITY rbrke        "&#x0298C;" ><!--RIGHT SQUARE BRACKET WITH UNDERBAR -->
<!ENTITY rbrksld      "&#x0298E;" ><!--RIGHT SQUARE BRACKET WITH TICK IN BOTTOM CORNER --
>
<!ENTITY rbrkslu      "&#x02990;" ><!--RIGHT SQUARE BRACKET WITH TICK IN TOP CORNER -->
<!ENTITY rceil        "&#x02309;" ><!--RIGHT CEILING -->
<!ENTITY rfloor       "&#x0230B;" ><!--RIGHT FLOOR -->
<!ENTITY rmoust       "&#x023B1;" ><!--UPPER RIGHT OR LOWER LEFT CURLY BRACKET SECTION --
>
<!ENTITY rpargt       "&#x02994;" ><!--RIGHT ARC GREATER-THAN BRACKET -->
<!ENTITY ulcorn       "&#x0231C;" ><!--TOP LEFT CORNER -->
<!ENTITY urcorn       "&#x0231D;" ><!--TOP RIGHT CORNER -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/mathml/mathml3/isoamsc.ent

```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- XHTML Frames Module ..... -->
<!-- file: xhtml-frames-1.mod

```

This is XHTML, a reformulation of HTML as a modular XML application.

Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.

Revision: \$Id: xhtml-frames-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```

PUBLIC "-//W3C//ELEMENTS XHTML Frames 1.0//EN"

```

SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-frames-1.mod"

Revisions:

(none)

..... -->

<!-- Frames

frameset, frame, noframes

This module declares frame-related element types and attributes.

-->

<!ENTITY % frameset.qname "frameset" >

<!ENTITY % frame.qname "frame" >

<!ENTITY % noframes.qname "noframes" >

<!-- comma-separated list of MultiLength -->

<!ENTITY % MultiLengths.datatype "CDATA" >

<!-- The content model for XHTML documents depends on whether
the <head> is followed by a <frameset> or <body> element.

-->

<!ENTITY % frameset.element "INCLUDE" >

<![%frameset.element;[

<!ENTITY % frameset.content

"((%frameset.qname; | %frame.qname;)+, %noframes.qname;?)" >

<!ELEMENT %frameset.qname; %frameset.content; >

<!-- end of frameset.element -->]]>

<!ENTITY % frameset.attlist "INCLUDE" >

<![%frameset.attlist;[

<!ATTLIST %frameset.qname;

%Core.attrib;

rows %MultiLengths.datatype; #IMPLIED

cols %MultiLengths.datatype; #IMPLIED

>

<!-- end of frameset.attlist -->]]>

<![%xhtml-events.module;[

<!ATTLIST %frameset.qname;

onload %Script.datatype; #IMPLIED

onunload %Script.datatype; #IMPLIED

>

]]>

<!-- reserved frame names start with "_" otherwise starts with letter -->

```

<!ENTITY % frame.element "INCLUDE" >
<![%frame.element;[
<!ENTITY % frame.content "EMPTY" >
<!ELEMENT %frame.qname; %frame.content; >
<!-- end of frame.element -->]]>

<!ENTITY % frame.attlist "INCLUDE" >
<![%frame.attlist;[
<!ATTLIST %frame.qname;
    %Core.attrib;
    longdesc %URI.datatype; #IMPLIED
    src %URI.datatype; #IMPLIED
    frameborder ( 1 | 0 ) '1'
    marginwidth %Pixels.datatype; #IMPLIED
    marginheight %Pixels.datatype; #IMPLIED
    noresize ( noresize ) #IMPLIED
    scrolling ( yes | no | auto ) 'auto'
>
<!-- end of frame.attlist -->]]>

<!-- changes to other declarations ..... -->

<!-- redefine content model for html element,
substituting frameset for body -->
<!ENTITY % html.content
    "( %head.qname;, %frameset.qname; )"
>

<!-- alternate content container for non frame-based rendering -->

<!ENTITY % noframes.element "INCLUDE" >
<![%noframes.element;[
<!ENTITY % noframes.content "( %body.qname; )">
<!ELEMENT %noframes.qname; %noframes.content; >
<!-- end of noframes.element -->]]>

<!ENTITY % noframes.attlist "INCLUDE" >
<![%noframes.attlist;[
<!ATTLIST %noframes.qname;
    %Common.attrib;
>
<!-- end of noframes.attlist -->]]>

<!-- end of xhtml-frames-1.mod -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-frames-1.mod

```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Document Metainformation Module ..... -->
<!-- file: xhtml-meta-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
Revision: \$Id: xhtml-meta-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Metainformation 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-meta-1.mod"
```

Revisions:

(none)

```
..... -->
```

```
<!-- Meta Information
```

```
    meta
```

This module declares the meta element type and its attributes,
used to provide declarative document metainformation.

```
-->
```

```
<!-- meta: Generic Metainformation ..... -->
```

```
<!ENTITY % meta.element "INCLUDE" >
<![%meta.element;[
<!ENTITY % meta.content "EMPTY" >
<!ENTITY % meta.qname "meta" >
<!ELEMENT %meta.qname; %meta.content; >
<!-- end of meta.element -->]]>
```

```
<!ENTITY % meta.attlist "INCLUDE" >
<![%meta.attlist;[
<!ATTLIST %meta.qname;
    %XHTML.xmlns.attrib;
    %I18n.attrib;
    http-equiv  NMTOKEN          #IMPLIED
    name        NMTOKEN          #IMPLIED
    content     CDATA            #REQUIRED
    scheme      CDATA            #IMPLIED
>
<!-- end of meta.attlist -->]]>
```

<!-- end of xhtml-meta-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/xhtml11/xhtml-meta-1.mod

No license file was found, but licenses were detected in source scan.

<!-- -->

<!-- SVG 1.1 Conditional Processing Module -->

<!-- file: svg-conditional.mod

This is SVG, a language for describing two-dimensional graphics in XML.

Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.

Revision: \$Id: svg-conditional.mod,v 1.4 2002/11/14 15:11:02 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ELEMENTS SVG 1.1 Conditional Processing//EN"

SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-conditional.mod"

..... -->

<!-- Conditional Processing

switch

This module declares markup to provide support for conditional processing.

-->

<!-- extension list specification -->

<!ENTITY % ExtensionList.datatype "CDATA" >

<!-- feature list specification -->

<!ENTITY % FeatureList.datatype "CDATA" >

<!-- Qualified Names (Default) -->

<!ENTITY % SVG.switch.qname "switch" >

<!-- Attribute Collections (Default) -->

<!ENTITY % SVG.Core.attrib "" >

<!ENTITY % SVG.Container.attrib "" >

<!ENTITY % SVG.Style.attrib "" >

<!ENTITY % SVG.Viewport.attrib "" >

<!ENTITY % SVG.Text.attrib "" >

<!ENTITY % SVG.TextContent.attrib "" >

<!ENTITY % SVG.Font.attrib "" >

```

<!ENTITY % SVG.Paint.attrib "" >
<!ENTITY % SVG.Color.attrib "" >
<!ENTITY % SVG.Opacity.attrib "" >
<!ENTITY % SVG.Graphics.attrib "" >
<!ENTITY % SVG.Marker.attrib "" >
<!ENTITY % SVG.ColorProfile.attrib "" >
<!ENTITY % SVG.Gradient.attrib "" >
<!ENTITY % SVG.Clip.attrib "" >
<!ENTITY % SVG.Mask.attrib "" >
<!ENTITY % SVG.Filter.attrib "" >
<!ENTITY % SVG.FilterColor.attrib "" >
<!ENTITY % SVG.GraphicalEvents.attrib "" >
<!ENTITY % SVG.Cursor.attrib "" >
<!ENTITY % SVG.External.attrib "" >

<!-- SVG.Conditional.class ..... -->

<!ENTITY % SVG.Conditional.extra.class "" >

<!ENTITY % SVG.Conditional.class
  "| %SVG.switch.qname; %SVG.Conditional.extra.class;"
>

<!-- SVG.Conditional.attrib ..... -->

<!ENTITY % SVG.Conditional.extra.attrib "" >

<!ENTITY % SVG.Conditional.attrib
  "requiredFeatures %FeatureList.datatype; #IMPLIED
  requiredExtensions %ExtensionList.datatype; #IMPLIED
  systemLanguage %LanguageCodes.datatype; #IMPLIED
  %SVG.Conditional.extra.attrib;"
>

<!-- SVG.Presentation.attrib ..... -->

<!ENTITY % SVG.Presentation.extra.attrib "" >

<!ENTITY % SVG.Presentation.attrib
  "%SVG.Container.attrib;
  %SVG.Viewport.attrib;
  %SVG.Text.attrib;
  %SVG.TextContent.attrib;
  %SVG.Font.attrib;
  %SVG.Paint.attrib;
  %SVG.Color.attrib;
  %SVG.Opacity.attrib;
  %SVG.Graphics.attrib;

```



```

%SVG.Marker.attrib;
%SVG.ColorProfile.attrib;
%SVG.Gradient.attrib;
%SVG.Clip.attrib;
%SVG.Mask.attrib;
%SVG.Filter.attrib;
%SVG.FilterColor.attrib;
%SVG.Cursor.attrib;
flood-color %SVGColor.datatype; #IMPLIED
flood-opacity %OpacityValue.datatype; #IMPLIED
lighting-color %SVGColor.datatype; #IMPLIED
%SVG.Presentation.extra.attrib;"
>

<!-- switch: Switch Element ..... -->

<!ENTITY % SVG.switch.extra.content "" >

<!ENTITY % SVG.switch.element "INCLUDE" >
<![%SVG.switch.element;[
<!ENTITY % SVG.switch.content
"(( %SVG.Description.class; )*, ( %SVG.svg.qname; | %SVG.g.qname;
| %SVG.use.qname; | %SVG.text.qname; | %SVG.Animation.class;
%SVG.Conditional.class; %SVG.Image.class; %SVG.Shape.class;
%SVG.Hyperlink.class; %SVG.Extensibility.class;
%SVG.switch.extra.content; )*)"
>
<!ELEMENT %SVG.switch.qname; %SVG.switch.content; >
<!-- end of SVG.switch.element -->]]>

<!ENTITY % SVG.switch.attlist "INCLUDE" >
<![%SVG.switch.attlist;[
<!ATTLIST %SVG.switch.qname;
%SVG.Core.attrib;
%SVG.Conditional.attrib;
%SVG.Style.attrib;
%SVG.Presentation.attrib;
%SVG.GraphicalEvents.attrib;
%SVG.External.attrib;
transform %TransformList.datatype; #IMPLIED
>
<!-- end of SVG.switch.attlist -->]]>

<!-- end of svg-conditional.mod -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-conditional.mod

```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- SVG 1.1 Basic Font Module ..... -->
<!-- file: svg-basic-font.mod
```

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-basic-font.mod,v 1.5 2002/11/14 15:11:02 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS SVG 1.1 Basic Font//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-basic-font.mod"
```

```
..... -->
```

```
<!-- Basic Font
```

```
font, font-face, glyph, missing-glyph, hkern, font-face-src,
font-face-name
```

This module declares markup to provide support for template.

```
-->
```

```
<!-- Qualified Names (Default) ..... -->
```

```
<!ENTITY % SVG.font.qname "font" >
<!ENTITY % SVG.font-face.qname "font-face" >
<!ENTITY % SVG.glyph.qname "glyph" >
<!ENTITY % SVG.missing-glyph.qname "missing-glyph" >
<!ENTITY % SVG.hkern.qname "hkern" >
<!ENTITY % SVG.font-face-src.qname "font-face-src" >
<!ENTITY % SVG.font-face-name.qname "font-face-name" >
```

```
<!-- Attribute Collections (Default) ..... -->
```

```
<!ENTITY % SVG.Core.attrib "" >
<!ENTITY % SVG.Container.attrib "" >
<!ENTITY % SVG.Style.attrib "" >
<!ENTITY % SVG.Viewport.attrib "" >
<!ENTITY % SVG.Text.attrib "" >
<!ENTITY % SVG.TextContent.attrib "" >
<!ENTITY % SVG.Font.attrib "" >
<!ENTITY % SVG.Paint.attrib "" >
<!ENTITY % SVG.Color.attrib "" >
<!ENTITY % SVG.Opacity.attrib "" >
<!ENTITY % SVG.Graphics.attrib "" >
```

```

<!ENTITY % SVG.Marker.attrib "" >
<!ENTITY % SVG.ColorProfile.attrib "" >
<!ENTITY % SVG.Gradient.attrib "" >
<!ENTITY % SVG.Clip.attrib "" >
<!ENTITY % SVG.Mask.attrib "" >
<!ENTITY % SVG.Filter.attrib "" >
<!ENTITY % SVG.FilterColor.attrib "" >
<!ENTITY % SVG.Cursor.attrib "" >
<!ENTITY % SVG.XLinkRequired.attrib "" >
<!ENTITY % SVG.External.attrib "" >

<!-- SVG.Font.class ..... -->

<!ENTITY % SVG.Font.extra.class "" >

<!ENTITY % SVG.Font.class
  "| %SVG.font.qname; | %SVG.font-face.qname; %SVG.Font.extra.class;"
>

<!-- font: Font Element ..... -->

<!ENTITY % SVG.font.extra.content "" >

<!ENTITY % SVG.font.element "INCLUDE" >
<![%SVG.font.element;[
<!ENTITY % SVG.font.content
  "(( %SVG.Description.class; )*, %SVG.font-face.qname;,
    %SVG.missing-glyph.qname;, ( %SVG.glyph.qname; | %SVG.hkern.qname;
    %SVG.font.extra.content; )*)"
>
<!ELEMENT %SVG.font.qname; %SVG.font.content; >
<!-- end of SVG.font.element -->]]>

<!ENTITY % SVG.font.attlist "INCLUDE" >
<![%SVG.font.attlist;[
<!ATTLIST %SVG.font.qname;
  %SVG.Core.attrib;
  %SVG.Style.attrib;
  %SVG.External.attrib;
  horiz-origin-x %Number.datatype; #IMPLIED
  horiz-adv-x %Number.datatype; #REQUIRED
>
<!-- end of SVG.font.attlist -->]]>

<!-- font-face: Font Face Element ..... -->

<!ENTITY % SVG.font-face.extra.content "" >

```

```

<!ENTITY % SVG.font-face.element "INCLUDE" >
<![%SVG.font-face.element;[
<!ENTITY % SVG.font-face.content
  "(( %SVG.Description.class; )*, %SVG.font-face-src.qname;?
    %SVG.font-face.extra.content; )"
>
<!ELEMENT %SVG.font-face.qname; %SVG.font-face.content; >
<!-- end of SVG.font-face.element -->]]>

```

```

<!ENTITY % SVG.font-face.attlist "INCLUDE" >
<![%SVG.font-face.attlist;[
<!ATTLIST %SVG.font-face.qname;
  %SVG.Core.attrib;
  font-family CDATA #IMPLIED
  font-style CDATA #IMPLIED
  font-variant CDATA #IMPLIED
  font-weight CDATA #IMPLIED
  font-stretch CDATA #IMPLIED
  font-size CDATA #IMPLIED
  unicode-range CDATA #IMPLIED
  units-per-em %Number.datatype; #IMPLIED
  panose-1 CDATA #IMPLIED
  stemv %Number.datatype; #IMPLIED
  stemh %Number.datatype; #IMPLIED
  slope %Number.datatype; #IMPLIED
  cap-height %Number.datatype; #IMPLIED
  x-height %Number.datatype; #IMPLIED
  accent-height %Number.datatype; #IMPLIED
  ascent %Number.datatype; #IMPLIED
  descent %Number.datatype; #IMPLIED
  widths CDATA #IMPLIED
  bbox CDATA #IMPLIED
  ideographic %Number.datatype; #IMPLIED
  alphabetic %Number.datatype; #IMPLIED
  mathematical %Number.datatype; #IMPLIED
  hanging %Number.datatype; #IMPLIED
  underline-position %Number.datatype; #IMPLIED
  underline-thickness %Number.datatype; #IMPLIED
  strikethrough-position %Number.datatype; #IMPLIED
  strikethrough-thickness %Number.datatype; #IMPLIED
  overline-position %Number.datatype; #IMPLIED
  overline-thickness %Number.datatype; #IMPLIED
>
<!-- end of SVG.font-face.attlist -->]]>

```

```

<!-- glyph: Glyph Element ..... -->

```

```

<!ENTITY % SVG.glyph.extra.content "" >

```

```
<!ENTITY % SVG.glyph.element "INCLUDE" >
<![%SVG.glyph.element;[
<!ENTITY % SVG.glyph.content
    "( %SVG.Description.class; %SVG.glyph.extra.content; )*"
>
<!ELEMENT %SVG.glyph.qname; %SVG.glyph.content; >
<!-- end of SVG.glyph.element -->]]>
```

```
<!ENTITY % SVG.glyph.attlist "INCLUDE" >
<![%SVG.glyph.attlist;[
<!ATTLIST %SVG.glyph.qname;
    %SVG.Core.attrib;
    %SVG.Style.attrib;
    unicode CDATA #IMPLIED
    glyph-name CDATA #IMPLIED
    d %PathData.datatype; #IMPLIED
    arabic-form CDATA #IMPLIED
    lang %LanguageCodes.datatype; #IMPLIED
    horiz-adv-x %Number.datatype; #IMPLIED
>
<!-- end of SVG.glyph.attlist -->]]>
```

```
<!-- missing-glyph: Missing Glyph Element ..... -->
```

```
<!ENTITY % SVG.missing-glyph.extra.content "" >
```

```
<!ENTITY % SVG.missing-glyph.element "INCLUDE" >
<![%SVG.missing-glyph.element;[
<!ENTITY % SVG.missing-glyph.content
    "( %SVG.Description.class; %SVG.missing-glyph.extra.content; )*"
>
<!ELEMENT %SVG.missing-glyph.qname; %SVG.missing-glyph.content; >
<!-- end of SVG.missing-glyph.element -->]]>
```

```
<!ENTITY % SVG.missing-glyph.attlist "INCLUDE" >
<![%SVG.missing-glyph.attlist;[
<!ATTLIST %SVG.missing-glyph.qname;
    %SVG.Core.attrib;
    %SVG.Style.attrib;
    d %PathData.datatype; #IMPLIED
    horiz-adv-x %Number.datatype; #IMPLIED
>
<!-- end of SVG.missing-glyph.attlist -->]]>
```

```
<!-- hkern: Horizontal Kerning Element ..... -->
```

```
<!ENTITY % SVG.hkern.element "INCLUDE" >
```

```
<![%SVG.hkern.element;[
<!ENTITY % SVG.hkern.content "EMPTY" >
<!ELEMENT %SVG.hkern.qname; %SVG.hkern.content; >
<!-- end of SVG.hkern.element -->]]>
```

```
<!ENTITY % SVG.hkern.attlist "INCLUDE" >
<![%SVG.hkern.attlist;[
<!ATTLIST %SVG.hkern.qname;
  %SVG.Core.attrib;
  u1 CDATA #IMPLIED
  g1 CDATA #IMPLIED
  u2 CDATA #IMPLIED
  g2 CDATA #IMPLIED
  k %Number.datatype; #REQUIRED
>
<!-- end of SVG.hkern.attlist -->]]>
```

```
<!-- font-face-src: Font Face Source Element ..... -->
```

```
<!ENTITY % SVG.font-face-src.extra.content "" >
```

```
<!ENTITY % SVG.font-face-src.element "INCLUDE" >
<![%SVG.font-face-src.element;[
<!ENTITY % SVG.font-face-src.content
  "( %SVG.font-face-name.qname; %SVG.font-face-src.extra.content; )+"
>
<!ELEMENT %SVG.font-face-src.qname; %SVG.font-face-src.content; >
<!-- end of SVG.font-face-src.element -->]]>
```

```
<!ENTITY % SVG.font-face-src.attlist "INCLUDE" >
<![%SVG.font-face-src.attlist;[
<!ATTLIST %SVG.font-face-src.qname;
  %SVG.Core.attrib;
>
<!-- end of SVG.font-face-src.attlist -->]]>
```

```
<!-- font-face-name: Font Face Name Element ..... -->
```

```
<!ENTITY % SVG.font-face-name.element "INCLUDE" >
<![%SVG.font-face-name.element;[
<!ENTITY % SVG.font-face-name.content "EMPTY" >
<!ELEMENT %SVG.font-face-name.qname; %SVG.font-face-name.content; >
<!-- end of SVG.font-face-name.element -->]]>
```

```
<!ENTITY % SVG.font-face-name.attlist "INCLUDE" >
<![%SVG.font-face-name.attlist;[
<!ATTLIST %SVG.font-face-name.qname;
  %SVG.Core.attrib;
```

```
name CDATA #IMPLIED
>
<!-- end of SVG.font-face-name.attlist -->]]>

<!-- end of svg-basic-font.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-basic-font.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML+RDFa Document Model Module ..... -->
<!-- file: xhtml-rdfa-model-1.mod
```

This is XHTML+RDFa.

Copyright 1998-2008 W3C (MIT, ERCIM, Keio), All Rights Reserved.

Revision: \$Id: xhtml-rdfa-model-1.mod,v 1.4 2009/06/26 14:05:13 smccarro Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES XHTML+RDFa Document Model 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-rdfa-model-1.mod"
```

Revisions:

(none)

```
..... -->
```

```
<!-- XHTML+RDFa Document Model
```

This module describes the groupings of elements that make up common content models for XHTML elements.

XHTML has three basic content models:

```
%Inline.mix; character-level elements
%Block.mix; block-like elements, eg., paragraphs and lists
%Flow.mix; any block or inline elements
```

Any parameter entities declared in this module may be used to create element content models, but the above three are considered 'global' (insofar as that term applies here).

The reserved word '#PCDATA' (indicating a text string) is now included explicitly with each element declaration that is declared as mixed content, as XML requires that this token occur first in a content model specification.

```
-->
```

<!-- Extending the Model

While in some cases this module may need to be rewritten to accommodate changes to the document model, minor extensions may be accomplished by redeclaring any of the three *.extra; parameter entities to contain extension element types as follows:

%Misc.extra; whose parent may be any block or inline element.

%Inline.extra; whose parent may be any inline element.

%Block.extra; whose parent may be any block element.

If used, these parameter entities must be an OR-separated list beginning with an OR separator ("|"), eg., "| a | b | c"

All block and inline *.class parameter entities not part of the *struct.class classes begin with "|" to allow for exclusion from mixes.

-->

<!-- Optional Elements in head -->

```
<!ENTITY % HeadOpts.mix
  "( %script.qname; | %style.qname; | %meta.qname;
  | %link.qname; | %object.qname; )*"
>
```

<!-- Miscellaneous Elements -->

```
<!-- ins and del are used to denote editing changes
-->
<!ENTITY % Edit.class "| %ins.qname; | %del.qname;" >
```

```
<!-- script and noscript are used to contain scripts
and alternative content
-->
<!ENTITY % Script.class "| %script.qname; | %noscript.qname;" >
```

```
<!ENTITY % Misc.extra "" >
```

```
<!-- These elements are neither block nor inline, and can
essentially be used anywhere in the document body.
-->
```

```
<!ENTITY % Misc.class
  "%Edit.class;
  %Script.class;
```



```

    %Misc.extra;"
>

<!-- ..... Inline Elements ..... -->

<!ENTITY % InlStruct.class "%br.qname; | %span.qname;" >

<!ENTITY % InlPhras.class
    "| %em.qname; | %strong.qname; | %dfn.qname; | %code.qname;
    | %samp.qname; | %kbd.qname; | %var.qname; | %cite.qname;
    | %abbr.qname; | %acronym.qname; | %q.qname;" >

<!ENTITY % InlPres.class
    "| %tt.qname; | %i.qname; | %b.qname; | %big.qname;
    | %small.qname; | %sub.qname; | %sup.qname;" >

<!ENTITY % I18n.class "| %bdo.qname;" >

<!ENTITY % Anchor.class "| %a.qname;" >

<!ENTITY % InlSpecial.class
    "| %img.qname; | %map.qname;
    | %object.qname;" >

<!ENTITY % InlForm.class
    "| %input.qname; | %select.qname; | %textarea.qname;
    | %label.qname; | %button.qname;" >

<!ENTITY % Inline.extra "" >

<!ENTITY % Ruby.class "| %ruby.qname;" >

<!-- %Inline.class; includes all inline elements,
    used as a component in mixes
-->
<!ENTITY % Inline.class
    "%InlStruct.class;
    %InlPhras.class;
    %InlPres.class;
    %I18n.class;
    %Anchor.class;
    %InlSpecial.class;
    %InlForm.class;
    %Ruby.class;
    %Inline.extra;"
>

<!-- %InlNoRuby.class; includes all inline elements

```

```

    except ruby, used as a component in mixes
-->
<!ENTITY % InlNoRuby.class
    "%InlStruct.class;
    %InlPhras.class;
    %InlPres.class;
    %I18n.class;
    %Anchor.class;
    %InlSpecial.class;
    %InlForm.class;
    %Inline.extra;"
>

<!-- %NoRuby.content; includes all inlines except ruby
-->
<!ENTITY % NoRuby.content
    "( #PCDATA
    | %InlNoRuby.class;
    %Misc.class; )*"
>

<!-- %InlNoAnchor.class; includes all non-anchor inlines,
    used as a component in mixes
-->
<!ENTITY % InlNoAnchor.class
    "%InlStruct.class;
    %InlPhras.class;
    %InlPres.class;
    %I18n.class;
    %InlSpecial.class;
    %InlForm.class;
    %Ruby.class;
    %Inline.extra;"
>

<!-- %InlNoAnchor.mix; includes all non-anchor inlines
-->
<!ENTITY % InlNoAnchor.mix
    "%InlNoAnchor.class;
    %Misc.class;"
>

<!-- %Inline.mix; includes all inline elements, including %Misc.class;
-->
<!ENTITY % Inline.mix
    "%Inline.class;
    %Misc.class;"
>

```

```

<!-- ..... Block Elements ..... -->

<!-- In the HTML 4.0 DTD, heading and list elements were included
in the %block; parameter entity. The %Heading.class; and
%List.class; parameter entities must now be included explicitly
on element declarations where desired.
-->

<!ENTITY % Heading.class
"%h1.qname; | %h2.qname; | %h3.qname;
| %h4.qname; | %h5.qname; | %h6.qname;" >

<!ENTITY % List.class "%ul.qname; | %ol.qname; | %dl.qname;" >

<!ENTITY % Table.class "| %table.qname;" >

<!ENTITY % Form.class "| %form.qname;" >

<!ENTITY % Fieldset.class "| %fieldset.qname;" >

<!ENTITY % BlkStruct.class "%p.qname; | %div.qname;" >

<!ENTITY % BlkPhras.class
"| %pre.qname; | %blockquote.qname; | %address.qname;" >

<!ENTITY % BlkPres.class "| %hr.qname;" >

<!ENTITY % BlkSpecial.class
"%Table.class;
%Form.class;
%Fieldset.class;"
>

<!ENTITY % Block.extra "" >

<!-- %Block.class; includes all block elements,
used as an component in mixes
-->

<!ENTITY % Block.class
"%BlkStruct.class;
%BlkPhras.class;
%BlkPres.class;
%BlkSpecial.class;
%Block.extra;"
>

<!-- %Block.mix; includes all block elements plus %Misc.class;

```

```
-->
<!ENTITY % Block.mix
  "%Heading.class;
  | %List.class;
  | %Block.class;
  %Misc.class;"
>

<!-- ..... All Content Elements ..... -->
```

```
<!-- %Flow.mix; includes all text content, block and inline
```

```
-->
<!ENTITY % Flow.mix
  "%Heading.class;
  | %List.class;
  | %Block.class;
  | %Inline.class;
  %Misc.class;"
>
```

```
<!-- end of xhtml-rdfa-model-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-rdfa-model-1.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML MetaAttributes Module ..... -->
<!-- file: xhtml-metaAttributes-1.mod
```

This is XHTML-RDFa, modules to annotate XHTML family documents.

Copyright 2007-2008 W3C (MIT, ERCIM, Keio), All Rights Reserved.

Revision: \$Id: xhtml-metaAttributes-1.mod,v 1.6 2008/08/01 20:01:00 smccarro Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES XHTML MetaAttributes 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-metaAttributes-1.mod"
```

Revisions:

(none)

```
..... -->
```

```
<!ENTITY % XHTML.global.attrs.prefixed "IGNORE" >
```

```
<!-- Placeholder Compact URI-related types -->
```

```
<!ENTITY % CURIE.datatype "CDATA" >
```

```
<!ENTITY % CURIEs.datatype "CDATA" >
```

```
<!ENTITY % SafeCURIE.datatype "CDATA" >
<!ENTITY % SafeCURIEs.datatype "CDATA" >
<!ENTITY % URIorSafeCURIE.datatype "CDATA" >
<!ENTITY % URIorSafeCURIEs.datatype "CDATA" >
```

```
<!-- Common Attributes
```

This module declares a collection of meta-information related attributes.

%NS.decl.attrib; is declared in the XHTML QName module.

This file also includes declarations of "global" versions of the attributes. The global versions of the attributes are for use on elements in other namespaces.

```
-->
```

```
<!ENTITY % about.attrib
  "about      %URIorSafeCURIE.datatype;      #IMPLIED"
>
```

```
<![%XHTML.global.attrs.prefixed;[
<!ENTITY % XHTML.global.about.attrib
  "%XHTML.prefix;;about      %URIorSafeCURIE.datatype;      #IMPLIED"
>
]]>
```

```
<!ENTITY % typeof.attrib
  "typeof    %CURIEs.datatype;      #IMPLIED"
>
```

```
<![%XHTML.global.attrs.prefixed;[
<!ENTITY % XHTML.global.typeof.attrib
  "%XHTML.prefix;;typeof    %CURIEs.datatype;      #IMPLIED"
>
]]>
```

```
<!ENTITY % property.attrib
  "property  %CURIEs.datatype;      #IMPLIED"
>
```

```
<![%XHTML.global.attrs.prefixed;[
<!ENTITY % XHTML.global.property.attrib
  "%XHTML.prefix;;property  %CURIEs.datatype;      #IMPLIED"
>
]]>
```

```
<!ENTITY % resource.attrib
```

```

"resource    %URIorSafeCURIE.datatype;    #IMPLIED"
>

<![%XHTML.global.attrs.prefixed;[
<!ENTITY % XHTML.global.resource.attrib
    "%XHTML.prefix;;resource    %URIorSafeCURIE.datatype;    #IMPLIED"
>
]]>

<!ENTITY % content.attrib
    "content    CDATA    #IMPLIED"
>

<![%XHTML.global.attrs.prefixed;[
<!ENTITY % XHTML.global.content.attrib
    "%XHTML.prefix;;content    CDATA    #IMPLIED"
>
]]>

<!ENTITY % datatype.attrib
    "datatype    %CURIE.datatype;    #IMPLIED"
>

<![%XHTML.global.attrs.prefixed;[
<!ENTITY % XHTML.global.datatype.attrib
    "%XHTML.prefix;;datatype    %CURIE.datatype;    #IMPLIED"
>
]]>

<!ENTITY % rel.attrib
    "rel    %CURIEs.datatype;    #IMPLIED"
>

<![%XHTML.global.attrs.prefixed;[
<!ENTITY % XHTML.global.rel.attrib
    "%XHTML.prefix;;rel    %CURIEs.datatype;    #IMPLIED"
>
]]>

<!ENTITY % rev.attrib
    "rev    %CURIEs.datatype;    #IMPLIED"
>

<![%XHTML.global.attrs.prefixed;[
<!ENTITY % XHTML.global.rev.attrib
    "%XHTML.prefix;;rev    %CURIEs.datatype;    #IMPLIED"
>
]]>

```

```
<!ENTITY % Metainformation.extra.attrib "" >
```

```
<!ENTITY % Metainformation.attrib
```

```
  "%about.attrib;  
  %content.attrib;  
  %datatype.attrib;  
  %typeof.attrib;  
  %property.attrib;  
  %rel.attrib;  
  %resource.attrib;  
  %rev.attrib;  
  %Metainformation.extra.attrib;"
```

```
>
```

```
<!ENTITY % XHTML.global.metainformation.extra.attrib "" >
```

```
<![%XHTML.global.attrs.prefixed;[
```

```
<!ENTITY % XHTML.global.metainformation.attrib
```

```
  "%XHTML.global.about.attrib;  
  %XHTML.global.content.attrib;  
  %XHTML.global.datatype.attrib;  
  %XHTML.global.typeof.attrib;  
  %XHTML.global.property.attrib;  
  %XHTML.global.rel.attrib;  
  %XHTML.global.resource.attrib;  
  %XHTML.global.rev.attrib;  
  %XHTML.global.metainformation.extra.attrib;"
```

```
>
```

```
]]>
```

```
<!ENTITY % XHTML.global.metainformation.attrib "" >
```

```
<!-- end of xhtml-metaAttributes-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-  
jar/net/sf/saxon/data/w3c/xhtml11/xhtmll-metaAttributes-1.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
```

```
<!-- XHTML Character Entities Module ..... -->
```

```
<!-- file: xhtml-charent-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.

Copyright 1998-2000 W3C (MIT, INRIA, Keio), All Rights Reserved.

Revision: \$Id: xhtml-charent-1.mod,v 1.1 2001/02/13 12:24:22 ht Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES XHTML Character Entities 1.0//EN"
SYSTEM "http://www.w3.org/TR/xhtml-modulization/DTD/xhtml-charent-1.mod"
```

Revisions:

(none)

..... -->

<!-- Character Entities for XHTML

This module declares the set of character entities for XHTML,
including the Latin 1, Symbol and Special character collections.

-->

```
<!ENTITY % xhtml-lat1
PUBLIC "-//W3C//ENTITIES Latin 1 for XHTML//EN"
"xhtml-lat1.ent" >
<!ENTITY % xhtml-symbol
PUBLIC "-//W3C//ENTITIES Symbols for XHTML//EN"
"xhtml-symbol.ent" >
<!ENTITY % xhtml-special
PUBLIC "-//W3C//ENTITIES Special for XHTML//EN"
"xhtml-special.ent" >
```

```
%xhtml-lat1;
%xhtml-symbol;
%xhtml-special;
```

<!-- end of xhtml-charent-1.mod -->

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/rddl/xhtml-charent-1.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- SVG 1.1 Image Module ..... -->
<!-- file: svg-image.mod
```

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-image.mod,v 1.4 2002/11/14 15:11:03 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ELEMENTS SVG 1.1 Image/EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-image.mod"

..... -->

<!-- Image

image

This module declares markup to provide support for image.

-->

<!-- Qualified Names (Default) -->

<!ENTITY % SVG.image.qname "image" >

<!-- Attribute Collections (Default) -->

<!ENTITY % SVG.Core.attrib "" >

<!ENTITY % SVG.Conditional.attrib "" >

<!ENTITY % SVG.Style.attrib "" >

<!ENTITY % SVG.Viewport.attrib "" >

<!ENTITY % SVG.Color.attrib "" >

<!ENTITY % SVG.Opacity.attrib "" >

<!ENTITY % SVG.Graphics.attrib "" >

<!ENTITY % SVG.ColorProfile.attrib "" >

<!ENTITY % SVG.Clip.attrib "" >

<!ENTITY % SVG.Mask.attrib "" >

<!ENTITY % SVG.Filter.attrib "" >

<!ENTITY % SVG.GraphicalEvents.attrib "" >

<!ENTITY % SVG.Cursor.attrib "" >

<!ENTITY % SVG.XLinkEmbed.attrib "" >

<!ENTITY % SVG.External.attrib "" >

<!-- SVG.Image.class -->

<!ENTITY % SVG.Image.extra.class "" >

<!ENTITY % SVG.Image.class

"| %SVG.image.qname; %SVG.Image.extra.class;"

>

<!-- image: Image Element -->

<!ENTITY % SVG.image.extra.content "" >

<!ENTITY % SVG.image.element "INCLUDE" >

<![%SVG.image.element;[

```

<!ENTITY % SVG.image.content
  "(( %SVG.Description.class; )* ( %SVG.Animation.class;
    %SVG.image.extra.content; )*)"
>
<!ELEMENT %SVG.image.qname; %SVG.image.content; >
<!-- end of SVG.image.element -->]]>

<!ENTITY % SVG.image.attlist "INCLUDE" >
<![%SVG.image.attlist;[
<!ATTLIST %SVG.image.qname;
  %SVG.Core.attrib;
  %SVG.Conditional.attrib;
  %SVG.Style.attrib;
  %SVG.Viewport.attrib;
  %SVG.Color.attrib;
  %SVG.Opacity.attrib;
  %SVG.Graphics.attrib;
  %SVG.ColorProfile.attrib;
  %SVG.Clip.attrib;
  %SVG.Mask.attrib;
  %SVG.Filter.attrib;
  %SVG.GraphicalEvents.attrib;
  %SVG.Cursor.attrib;
  %SVG.XLinkEmbed.attrib;
  %SVG.External.attrib;
  x %Coordinate.datatype; #IMPLIED
  y %Coordinate.datatype; #IMPLIED
  width %Length.datatype; #REQUIRED
  height %Length.datatype; #REQUIRED
  preserveAspectRatio %PreserveAspectRatioSpec.datatype; 'xMidYMid meet'
  transform %TransformList.datatype; #IMPLIED
>
<!-- end of SVG.image.attlist -->]]>

<!-- end of svg-image.mod -->

```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-image.mod
```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- XHTML QName Module ..... -->
<!-- file: xhtml-qname-1.mod

```

This is XHTML, a reformulation of HTML as a modular XML application.
 Copyright 1998-2000 W3C (MIT, INRIA, Keio), All Rights Reserved.
 Revision: \$Id: xhtml-qname-1.mod,v 1.1 2001/02/13 12:24:22 ht Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES XHTML Qualified Names 1.0//EN"  
SYSTEM "http://www.w3.org/TR/xhtml-modulization/DTD/xhtml-qname-1.mod"
```

Revisions:

(none)

..... -->

<!-- XHTML QName (Qualified Name) Module

This module is contained in two parts, labeled Section 'A' and 'B':

Section A declares parameter entities to support namespace-qualified names, namespace declarations, and name prefixing for XHTML and extensions.

Section B declares parameter entities used to provide namespace-qualified names for all XHTML element types:

```
%applet.qname; the xmlns-qualified name for <applet>  
%base.qname;  the xmlns-qualified name for <base>  
...
```

XHTML extensions would create a module similar to this one. Included in the XHTML distribution is a template module ('template-qname-1.mod') suitable for this purpose.

-->

<!-- Section A: XHTML XML Namespace Framework -->

<!-- 1. Declare a %XHTML.prefixed; conditional section keyword, used to activate namespace prefixing. The default value should inherit '%NS.prefixed;' from the DTD driver, so that unless overridden, the default behaviour follows the overall DTD prefixing scheme.

-->

```
<!ENTITY % NS.prefixed "IGNORE" >  
<!ENTITY % XHTML.prefixed "%NS.prefixed;" >
```

<!-- 2. Declare a parameter entity (eg., %XHTML.xmlns;) containing the URI reference used to identify the XHTML namespace:

-->

```
<!ENTITY % XHTML.xmlns "http://www.w3.org/1999/xhtml" >
```

<!-- 3. Declare parameter entities (eg., %XHTML.prefix;) containing the default namespace prefix string(s) to use when prefixing

is enabled. This may be overridden in the DTD driver or the internal subset of an document instance. If no default prefix is desired, this may be declared as an empty string.

NOTE: As specified in [XMLNAMES], the namespace prefix serves as a proxy for the URI reference, and is not in itself significant.

-->

```
<!ENTITY % XHTML.prefix "" >
```

<!-- 4. Declare parameter entities (eg., %XHTML.pfx;) containing the colonized prefix(es) (eg., %XHTML.prefix;') used when prefixing is active, an empty string when it is not.

-->

```
<![%XHTML.prefixed;[
```

```
<!ENTITY % XHTML.pfx "%XHTML.prefix;:" >
```

```
]]>
```

```
<!ENTITY % XHTML.pfx "" >
```

<!-- declare qualified name extensions here -->

```
<!ENTITY % xhtml-qname-extra.mod "" >
```

```
%xhtml-qname-extra.mod;
```

<!-- 5. The parameter entity %XHTML.xmlns.extra.attrib; may be redeclared to contain any non-XHTML namespace declaration attributes for namespaces embedded in XHTML. The default is an empty string. XLink should be included here if used in the DTD.

-->

```
<!ENTITY % XHTML.xmlns.extra.attrib "" >
```

<!-- The remainder of Section A is only followed in XHTML, not extensions. -->

<!-- Declare a parameter entity %NS.decl.attrib; containing all XML Namespace declarations used in the DTD, plus the xmlns declaration for XHTML, its form dependent on whether prefixing is active.

-->

```
<![%XHTML.prefixed;[
```

```
<!ENTITY % NS.decl.attrib
```

```
"xmlns:%XHTML.prefix; %URI.datatype; #FIXED '%XHTML.xmlns;'
%XHTML.xmlns.extra.attrib;"
```

```
>
```

```
]]>
```

```
<!ENTITY % NS.decl.attrib
```

```
"%XHTML.xmlns.extra.attrib;"
```

```
>
```

<!-- This is a placeholder for future XLink support.

```

-->
<!ENTITY % XLINK.xmlns.attrib "" >

<!-- Declare a parameter entity %NS.decl.attrib; containing all
XML namespace declaration attributes used by XHTML, including
a default xmlns attribute when prefixing is inactive.
-->
<![%XHTML.prefixed;[
<!ENTITY % XHTML.xmlns.attrib
"%NS.decl.attrib;
%XLINK.xmlns.attrib;"
>
]]>
<!ENTITY % XHTML.xmlns.attrib
"xmlns %URI.datatype; #FIXED '%XHTML.xmlns;'
%XLINK.xmlns.attrib;"
>

<!-- placeholder for qualified name redeclarations -->
<!ENTITY % xhtml-qname.redecl "" >
%xhtml-qname.redecl;

<!-- Section B: XHTML Qualified Names :::::::::::::::::::: -->

<!-- 6. This section declares parameter entities used to provide
namespace-qualified names for all XHTML element types.
-->

<!-- module: xhtml-applet-1.mod -->
<!ENTITY % applet.qname "%XHTML.pfx;applet" >

<!-- module: xhtml-base-1.mod -->
<!ENTITY % base.qname "%XHTML.pfx;base" >

<!-- module: xhtml-bdo-1.mod -->
<!ENTITY % bdo.qname "%XHTML.pfx;bdo" >

<!-- module: xhtml-blkphras-1.mod -->
<!ENTITY % address.qname "%XHTML.pfx;address" >
<!ENTITY % blockquote.qname "%XHTML.pfx;blockquote" >
<!ENTITY % pre.qname "%XHTML.pfx;pre" >
<!ENTITY % h1.qname "%XHTML.pfx;h1" >
<!ENTITY % h2.qname "%XHTML.pfx;h2" >
<!ENTITY % h3.qname "%XHTML.pfx;h3" >
<!ENTITY % h4.qname "%XHTML.pfx;h4" >
<!ENTITY % h5.qname "%XHTML.pfx;h5" >
<!ENTITY % h6.qname "%XHTML.pfx;h6" >

```

```

<!-- module: xhtml-blkpres-1.mod -->
<!ENTITY % hr.qname    "%XHTML.pfx;hr" >

<!-- module: xhtml-blkstruct-1.mod -->
<!ENTITY % div.qname   "%XHTML.pfx;div" >
<!ENTITY % p.qname     "%XHTML.pfx;p" >

<!-- module: xhtml-edit-1.mod -->
<!ENTITY % ins.qname   "%XHTML.pfx;ins" >
<!ENTITY % del.qname   "%XHTML.pfx;del" >

<!-- module: xhtml-form-1.mod -->
<!ENTITY % form.qname  "%XHTML.pfx;form" >
<!ENTITY % label.qname "%XHTML.pfx;label" >
<!ENTITY % input.qname "%XHTML.pfx;input" >
<!ENTITY % select.qname "%XHTML.pfx;select" >
<!ENTITY % optgroup.qname "%XHTML.pfx;optgroup" >
<!ENTITY % option.qname "%XHTML.pfx;option" >
<!ENTITY % textarea.qname "%XHTML.pfx;textarea" >
<!ENTITY % fieldset.qname "%XHTML.pfx;fieldset" >
<!ENTITY % legend.qname "%XHTML.pfx;legend" >
<!ENTITY % button.qname "%XHTML.pfx;button" >

<!-- module: xhtml-hypertext-1.mod -->
<!ENTITY % a.qname     "%XHTML.pfx;a" >

<!-- module: xhtml-image-1.mod -->
<!ENTITY % img.qname   "%XHTML.pfx;img" >

<!-- module: xhtml-inlphras-1.mod -->
<!ENTITY % abbr.qname  "%XHTML.pfx;abbr" >
<!ENTITY % acronym.qname "%XHTML.pfx;acronym" >
<!ENTITY % cite.qname   "%XHTML.pfx;cite" >
<!ENTITY % code.qname   "%XHTML.pfx;code" >
<!ENTITY % dfn.qname    "%XHTML.pfx;dfn" >
<!ENTITY % em.qname     "%XHTML.pfx;em" >
<!ENTITY % kbd.qname    "%XHTML.pfx;kbd" >
<!ENTITY % q.qname      "%XHTML.pfx;q" >
<!ENTITY % samp.qname   "%XHTML.pfx;samp" >
<!ENTITY % strong.qname "%XHTML.pfx;strong" >
<!ENTITY % var.qname    "%XHTML.pfx;var" >

<!-- module: xhtml-inlpres-1.mod -->
<!ENTITY % b.qname     "%XHTML.pfx;b" >
<!ENTITY % big.qname   "%XHTML.pfx;big" >
<!ENTITY % i.qname     "%XHTML.pfx;i" >
<!ENTITY % small.qname "%XHTML.pfx;small" >
<!ENTITY % sub.qname   "%XHTML.pfx;sub" >

```

```
<!ENTITY % sup.qname    "%XHTML.pfx;sup" >
<!ENTITY % tt.qname     "%XHTML.pfx;tt" >

<!-- module: xhtml-instruct-1.mod -->
<!ENTITY % br.qname     "%XHTML.pfx;br" >
<!ENTITY % span.qname   "%XHTML.pfx;span" >

<!-- module: xhtml-ismap-1.mod (also csismap, ssismap) -->
<!ENTITY % map.qname    "%XHTML.pfx;map" >
<!ENTITY % area.qname   "%XHTML.pfx;area" >

<!-- module: xhtml-link-1.mod -->
<!ENTITY % link.qname   "%XHTML.pfx;link" >

<!-- module: xhtml-list-1.mod -->
<!ENTITY % dl.qname     "%XHTML.pfx;dl" >
<!ENTITY % dt.qname     "%XHTML.pfx;dt" >
<!ENTITY % dd.qname     "%XHTML.pfx;dd" >
<!ENTITY % ol.qname     "%XHTML.pfx;ol" >
<!ENTITY % ul.qname     "%XHTML.pfx;ul" >
<!ENTITY % li.qname     "%XHTML.pfx;li" >

<!-- module: xhtml-meta-1.mod -->
<!ENTITY % meta.qname   "%XHTML.pfx;meta" >

<!-- module: xhtml-param-1.mod -->
<!ENTITY % param.qname  "%XHTML.pfx;param" >

<!-- module: xhtml-object-1.mod -->
<!ENTITY % object.qname "%XHTML.pfx;object" >

<!-- module: xhtml-script-1.mod -->
<!ENTITY % script.qname "%XHTML.pfx;script" >
<!ENTITY % noscript.qname "%XHTML.pfx;noscript" >

<!-- module: xhtml-struct-1.mod -->
<!ENTITY % html.qname   "%XHTML.pfx;html" >
<!ENTITY % head.qname   "%XHTML.pfx;head" >
<!ENTITY % title.qname  "%XHTML.pfx;title" >
<!ENTITY % body.qname   "%XHTML.pfx;body" >

<!-- module: xhtml-style-1.mod -->
<!ENTITY % style.qname  "%XHTML.pfx;style" >

<!-- module: xhtml-table-1.mod -->
<!ENTITY % table.qname  "%XHTML.pfx;table" >
<!ENTITY % caption.qname "%XHTML.pfx;caption" >
<!ENTITY % thead.qname  "%XHTML.pfx;thead" >
```

```
<!ENTITY % tfoot.qname "%XHTML.pfx;tfoot" >
<!ENTITY % tbody.qname "%XHTML.pfx;tbody" >
<!ENTITY % colgroup.qname "%XHTML.pfx;colgroup" >
<!ENTITY % col.qname "%XHTML.pfx;col" >
<!ENTITY % tr.qname "%XHTML.pfx;tr" >
<!ENTITY % th.qname "%XHTML.pfx;th" >
<!ENTITY % td.qname "%XHTML.pfx;td" >
```

```
<!-- Provisional XHTML 2.0 Qualified Names ..... -->
```

```
<!-- module: xhtml-image-2.mod -->
<!ENTITY % alt.qname "%XHTML.pfx;alt" >
```

```
<!-- end of xhtml-qname-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/rddl/xhtml-qname-1.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Inline Presentation Module ..... -->
<!-- file: xhtml-inlpres-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
Revision: \$Id: xhtml-inlpres-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Inline Presentation 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-inlpres-1.mod"
```

Revisions:

(none)

```
..... -->
```

```
<!-- Inline Presentational Elements
```

b, big, i, small, sub, sup, tt

This module declares the elements and their attributes used to
support inline-level presentational markup.

```
-->
```

```
<!ENTITY % b.element "INCLUDE" >
```

```
<![%b.element;[
```



```

<!ENTITY % b.content
  "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % b.qname "b" >
<!ELEMENT %b.qname; %b.content; >
<!-- end of b.element -->]]>

<!ENTITY % b.attlist "INCLUDE" >
<![%b.attlist;[
<!ATTLIST %b.qname;
  %Common.attrib;
>
<!-- end of b.attlist -->]]>

<!ENTITY % big.element "INCLUDE" >
<![%big.element;[
<!ENTITY % big.content
  "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % big.qname "big" >
<!ELEMENT %big.qname; %big.content; >
<!-- end of big.element -->]]>

<!ENTITY % big.attlist "INCLUDE" >
<![%big.attlist;[
<!ATTLIST %big.qname;
  %Common.attrib;
>
<!-- end of big.attlist -->]]>

<!ENTITY % i.element "INCLUDE" >
<![%i.element;[
<!ENTITY % i.content
  "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % i.qname "i" >
<!ELEMENT %i.qname; %i.content; >
<!-- end of i.element -->]]>

<!ENTITY % i.attlist "INCLUDE" >
<![%i.attlist;[
<!ATTLIST %i.qname;
  %Common.attrib;
>
<!-- end of i.attlist -->]]>

<!ENTITY % small.element "INCLUDE" >
<![%small.element;[

```

```
<!ENTITY % small.content
  "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % small.qname "small" >
<!ELEMENT %small.qname; %small.content; >
<!-- end of small.element -->]]>
```

```
<!ENTITY % small.attlist "INCLUDE" >
<![%small.attlist;[
<!ATTLIST %small.qname;
  %Common.attrib;
>
<!-- end of small.attlist -->]]>
```

```
<!ENTITY % sub.element "INCLUDE" >
<![%sub.element;[
<!ENTITY % sub.content
  "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % sub.qname "sub" >
<!ELEMENT %sub.qname; %sub.content; >
<!-- end of sub.element -->]]>
```

```
<!ENTITY % sub.attlist "INCLUDE" >
<![%sub.attlist;[
<!ATTLIST %sub.qname;
  %Common.attrib;
>
<!-- end of sub.attlist -->]]>
```

```
<!ENTITY % sup.element "INCLUDE" >
<![%sup.element;[
<!ENTITY % sup.content
  "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % sup.qname "sup" >
<!ELEMENT %sup.qname; %sup.content; >
<!-- end of sup.element -->]]>
```

```
<!ENTITY % sup.attlist "INCLUDE" >
<![%sup.attlist;[
<!ATTLIST %sup.qname;
  %Common.attrib;
>
<!-- end of sup.attlist -->]]>
```

```
<!ENTITY % tt.element "INCLUDE" >
<![%tt.element;[
```

```
<!ENTITY % tt.content
  "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % tt.qname "tt" >
<!ELEMENT %tt.qname; %tt.content; >
<!-- end of tt.element -->]]>
```

```
<!ENTITY % tt.attlist "INCLUDE" >
<![%tt.attlist;[
<!ATTLIST %tt.qname;
  %Common.attrib;
>
<!-- end of tt.attlist -->]]>
```

```
<!-- end of xhtml-inlpres-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-inlpres-1.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Editing Elements Module ..... -->
<!-- file: xhtml-edit-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
Revision: \$Id: xhtml-edit-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Editing Markup 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-edit-1.mod"
```

Revisions:

(none)

```
..... -->
```

```
<!-- Editing Elements
```

ins, del

This module declares element types and attributes used to indicate
inserted and deleted content while editing a document.

```
-->
```

```
<!-- ins: Inserted Text ..... -->
```

```

<!ENTITY % ins.element "INCLUDE" >
<![%ins.element;[
<!ENTITY % ins.content
    "( #PCDATA | %Flow.mix; )*"
>
<!ENTITY % ins.qname "ins" >
<!ELEMENT %ins.qname; %ins.content; >
<!-- end of ins.element -->]]>

<!ENTITY % ins.attlist "INCLUDE" >
<![%ins.attlist;[
<!ATTLIST %ins.qname;
    %Common.attrib;
    cite    %URI.datatype;    #IMPLIED
    datetime %Datetime.datatype; #IMPLIED
>
<!-- end of ins.attlist -->]]>

<!-- del: Deleted Text ..... -->

<!ENTITY % del.element "INCLUDE" >
<![%del.element;[
<!ENTITY % del.content
    "( #PCDATA | %Flow.mix; )*"
>
<!ENTITY % del.qname "del" >
<!ELEMENT %del.qname; %del.content; >
<!-- end of del.element -->]]>

<!ENTITY % del.attlist "INCLUDE" >
<![%del.attlist;[
<!ATTLIST %del.qname;
    %Common.attrib;
    cite    %URI.datatype;    #IMPLIED
    datetime %Datetime.datatype; #IMPLIED
>
<!-- end of del.attlist -->]]>

<!-- end of xhtml-edit-1.mod -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-edit-1.mod

```

No license file was found, but licenses were detected in source scan.

XHTML 1.1 plus MathML 2.0 plus SVG 1.1 DTD

This is a prototype extension of XHTML 1.1 incorporating MathML 2.0

and SVG 1.1.

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Editors: Murray M. Altheim <altheim@eng.sun.com> (XHTML modules)
David Carlisle <davidc@nag.co.uk> (MathML modules)
Jun Fujisawa <fujisawa.jun@canon.co.jp> (SVG modules)
Masayasu Ishikawa <mimasa@w3.org> (DTD driver)

Revision:

\$Id: xhtml

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Author: Murray M. Altheim <altheim@eng.sun.com>

Revision: \$Id: xhtml

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Revision: \$Id: xhtml

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/mathml/mathml2/xhtmll-math11-f-a.dtd

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Ruby Module ..... -->
<!-- file: xhtml-ruby-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1999-2001 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: xhtml-ruby-1.mod,v 1.1 2008/06/21 19:42:10 smccarro Exp \$

This module is based on the W3C Ruby Annotation Specification:

<http://www.w3.org/TR/ruby>

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Ruby 1.0//EN"
SYSTEM "http://www.w3.org/TR/ruby/xhtmll-ruby-1.mod"
```

```
..... -->
```

```
<!-- Ruby Elements
```

```
ruby, rbc, rtc, rb, rt, rp
```

This module declares the elements and their attributes used to support ruby annotation markup.

```
-->
```

```
<!-- declare qualified element type names:
```

```
-->
```

```
<!ENTITY % ruby.qname "ruby" >
<!ENTITY % rbc.qname "rbc" >
<!ENTITY % rtc.qname "rtc" >
<!ENTITY % rb.qname "rb" >
<!ENTITY % rt.qname "rt" >
<!ENTITY % rp.qname "rp" >
```

```
<!-- rp fallback is included by default.
```

```
-->
```

```
<!ENTITY % Ruby.fallback "INCLUDE" >
<!ENTITY % Ruby.fallback.mandatory "IGNORE" >
```

```

<!-- Complex ruby is included by default; it may be
  overridden by other modules to ignore it.
-->
<!ENTITY % Ruby.complex "INCLUDE" >

<!-- Fragments for the content model of the ruby element -->
<![%Ruby.fallback;[
<![%Ruby.fallback.mandatory;[
<!ENTITY % Ruby.content.simple
  "( %rb.qname;, %rp.qname;, %rt.qname;, %rp.qname; )"
>
]]>
<!ENTITY % Ruby.content.simple
  "( %rb.qname;, ( %rt.qname; | ( %rp.qname;, %rt.qname;, %rp.qname; ) ) )"
>
]]>
<!ENTITY % Ruby.content.simple "( %rb.qname;, %rt.qname; )" >

<![%Ruby.complex;[
<!ENTITY % Ruby.content.complex
  "| ( %rbc.qname;, %rtc.qname;, %rtc.qname;? )"
>
]]>
<!ENTITY % Ruby.content.complex "" >

<!-- Content models of the rb and the rt elements are intended to
  allow other inline-level elements of its parent markup language,
  but it should not include ruby descendent elements. The following
  parameter entity %NoRuby.content; can be used to redefine
  those content models with minimum effort. It's defined as
  '( #PCDATA )' by default.
-->
<!ENTITY % NoRuby.content "( #PCDATA )" >

<!-- one or more digits (NUMBER) -->
<!ENTITY % Number.datatype "CDATA" >

<!-- ruby element ..... -->

<!ENTITY % ruby.element "INCLUDE" >
<![%ruby.element;[
<!ENTITY % ruby.content
  "( %Ruby.content.simple; %Ruby.content.complex; )"
>
<!ELEMENT %ruby.qname; %ruby.content; >
<!-- end of ruby.element -->]]>

```

```
<![%Ruby.complex;[
<!-- rbc (ruby base component) element ..... -->
```

```
<!ENTITY % rbc.element "INCLUDE" >
<![%rbc.element;[
<!ENTITY % rbc.content
  "(%rb.qname;)+"
>
<!ELEMENT %rbc.qname; %rbc.content; >
<!-- end of rbc.element -->]]>
```

```
<!-- rtc (ruby text component) element ..... -->
```

```
<!ENTITY % rtc.element "INCLUDE" >
<![%rtc.element;[
<!ENTITY % rtc.content
  "(%rt.qname;)+"
>
<!ELEMENT %rtc.qname; %rtc.content; >
<!-- end of rtc.element -->]]>
]]>
```

```
<!-- rb (ruby base) element ..... -->
```

```
<!ENTITY % rb.element "INCLUDE" >
<![%rb.element;[
<!-- %rb.content; uses %NoRuby.content; as its content model,
  which is '( #PCDATA )' by default. It may be overridden
  by other modules to allow other inline-level elements
  of its parent markup language, but it should not include
  ruby descendent elements.
-->
<!ENTITY % rb.content "%NoRuby.content;" >
<!ELEMENT %rb.qname; %rb.content; >
<!-- end of rb.element -->]]>
```

```
<!-- rt (ruby text) element ..... -->
```

```
<!ENTITY % rt.element "INCLUDE" >
<![%rt.element;[
<!-- %rt.content; uses %NoRuby.content; as its content model,
  which is '( #PCDATA )' by default. It may be overridden
  by other modules to allow other inline-level elements
  of its parent markup language, but it should not include
  ruby descendent elements.
-->
<!ENTITY % rt.content "%NoRuby.content;" >
```



```

<!ELEMENT %rt.qname; %rt.content; >
<!-- end of rt.element -->]]>

<!-- rbspan attribute is used for complex ruby only ..... -->
<![%Ruby.complex;[
<!ENTITY % rt.attlist "INCLUDE" >
<![%rt.attlist;[
<!ATTLIST %rt.qname;
    rbspan      %Number.datatype;    "1"
>
<!-- end of rt.attlist -->]]>
]]>

```

```

<!-- rp (ruby parenthesis) element ..... -->

```

```

<![%Ruby.fallback;[
<!ENTITY % rp.element "INCLUDE" >
<![%rp.element;[
<!ENTITY % rp.content
    "( #PCDATA )"
>
<!ELEMENT %rp.qname; %rp.content; >
<!-- end of rp.element -->]]>
]]>

```

```

<!-- Ruby Common Attributes

```

The following optional ATTLIST declarations provide an easy way to define common attributes for ruby elements. These declarations are ignored by default.

Ruby elements are intended to have common attributes of its parent markup language. For example, if a markup language defines common attributes as a parameter entity %attrs;, you may add those attributes by just declaring the following parameter entities

```

<!ENTITY % Ruby.common.attlists "INCLUDE" >
<!ENTITY % Ruby.common.attrib "%attrs;" >

```

before including the Ruby module.

```

-->

```

```

<!ENTITY % Ruby.common.attlists "IGNORE" >
<![%Ruby.common.attlists;[
<!ENTITY % Ruby.common.attrib "" >

```

```

<!-- common attributes for ruby ..... -->

```

```
<!ENTITY % Ruby.common.attlist "INCLUDE" >
<![%Ruby.common.attlist;[
<!ATTLIST %ruby.qname;
    %Ruby.common.attrib;
>
<!-- end of Ruby.common.attlist -->]]>
```

```
<![%Ruby.complex;[
<!-- common attributes for rbc ..... -->
```

```
<!ENTITY % Rbc.common.attlist "INCLUDE" >
<![%Rbc.common.attlist;[
<!ATTLIST %rbc.qname;
    %Ruby.common.attrib;
>
<!-- end of Rbc.common.attlist -->]]>
```

```
<!-- common attributes for rtc ..... -->
```

```
<!ENTITY % Rtc.common.attlist "INCLUDE" >
<![%Rtc.common.attlist;[
<!ATTLIST %rtc.qname;
    %Ruby.common.attrib;
>
<!-- end of Rtc.common.attlist -->]]>
```

```
]]>
```

```
<!-- common attributes for rb ..... -->
```

```
<!ENTITY % Rb.common.attlist "INCLUDE" >
<![%Rb.common.attlist;[
<!ATTLIST %rb.qname;
    %Ruby.common.attrib;
>
<!-- end of Rb.common.attlist -->]]>
```

```
<!-- common attributes for rt ..... -->
```

```
<!ENTITY % Rt.common.attlist "INCLUDE" >
<![%Rt.common.attlist;[
<!ATTLIST %rt.qname;
    %Ruby.common.attrib;
>
<!-- end of Rt.common.attlist -->]]>
```

```
<![%Ruby.fallback;[
<!-- common attributes for rp ..... -->
```

```
<!ENTITY % Rp.common.attlist "INCLUDE" >
<![%Rp.common.attlist;[
<!ATTLIST %rp.qname;
    %Ruby.common.attrib;
>
<!-- end of Rp.common.attlist -->]]>
]]>
]]>
```

```
<!-- end of xhtml-ruby-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-ruby-1.mod
```

No license file was found, but licenses were detected in source scan.

```
<!--
```

File mmlalias.ent produced by the XSL script entities.xml
from input data in unicode.xml.

Copyright 1998 - 2009 W3C.

Use and distribution of this code are permitted under the terms of the
W3C Software Notice and License.

<http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231.html>

Please report any errors to David Carlisle
via the public W3C list www-math@w3.org.

The numeric character values assigned to each entity
(should) match the Unicode assignments in Unicode 5.x.

References to the VARIANT SELECTOR 1 character (︀) should match the uses listed in Unicode Technical Report 25.

```
-->
```

```
<!--
```

Public identifier: `-//W3C//ENTITIES MathML Aliases//EN//XML`
System identifier: `http://www.w3.org/2003/entities/2007/mmlalias.ent`

The public identifier should always be used verbatim.
The system identifier may be changed to suit local requirements.

Typical invocation:

```

<!ENTITY % mmlalias PUBLIC
"-//W3C//ENTITIES MathML Aliases//EN//XML"
"http://www.w3.org/2003/entities/2007/mmlalias.ent"
>
%mmlalias;

-->

<!ENTITY angle      "∠" ><!--ANGLE -->
<!ENTITY ApplyFunction "⁡" ><!--FUNCTION APPLICATION -->
<!ENTITY approx     "≈" ><!--ALMOST EQUAL TO -->
<!ENTITY approxpeq  "≊" ><!--ALMOST EQUAL OR EQUAL TO -->
<!ENTITY Assign     "≔" ><!--COLON EQUALS -->
<!ENTITY backcong   "≌" ><!--ALL EQUAL TO -->
<!ENTITY backepsilon "϶" ><!--GREEK REVERSED LUNATE EPSILON SYMBOL -->
<!ENTITY backprime  "‵" ><!--REVERSED PRIME -->
<!ENTITY backsim    "∽" ><!--REVERSED TILDE -->
<!ENTITY backsimeq  "⋍" ><!--REVERSED TILDE EQUALS -->
<!ENTITY Backslash  "∖" ><!--SET MINUS -->
<!ENTITY barwedge   "⌅" ><!--PROJECTIVE -->
<!ENTITY because    "∵" ><!--BECAUSE -->
<!ENTITY Because    "∵" ><!--BECAUSE -->
<!ENTITY Bernoullis "ℬ" ><!--SCRIPT CAPITAL B -->
<!ENTITY between    "≬" ><!--BETWEEN -->
<!ENTITY bigcap     "⋂" ><!--N-ARY INTERSECTION -->
<!ENTITY bigcirc    "◯" ><!--LARGE CIRCLE -->
<!ENTITY bigcup     "⋃" ><!--N-ARY UNION -->
<!ENTITY bigodot    "⨀" ><!--N-ARY CIRCLED DOT OPERATOR -->
<!ENTITY bigoplus   "⨁" ><!--N-ARY CIRCLED PLUS OPERATOR -->
<!ENTITY bigotimes  "⨂" ><!--N-ARY CIRCLED TIMES OPERATOR -->
<!ENTITY bigsqcup   "⨆" ><!--N-ARY SQUARE UNION OPERATOR -->
<!ENTITY bigstar    "★" ><!--BLACK STAR -->
<!ENTITY bigtriangledown "▽" ><!--WHITE DOWN-POINTING TRIANGLE -->
<!ENTITY bigtriangleup  "△" ><!--WHITE UP-POINTING TRIANGLE -->
<!ENTITY biguplus    "⨄" ><!--N-ARY UNION OPERATOR WITH PLUS -->
<!ENTITY bigvee     "⋁" ><!--N-ARY LOGICAL OR -->
<!ENTITY bigwedge   "⋀" ><!--N-ARY LOGICAL AND -->
<!ENTITY bkarow     "⤍" ><!--RIGHTWARDS DOUBLE DASH ARROW -->
<!ENTITY blacklozenge "⧫" ><!--BLACK LOZENGE -->
<!ENTITY blacksquare "▪" ><!--BLACK SMALL SQUARE -->
<!ENTITY blacktriangle "▴" ><!--BLACK UP-POINTING SMALL TRIANGLE -->
<!ENTITY blacktriangledown "▾" ><!--BLACK DOWN-POINTING SMALL TRIANGLE -->
<!ENTITY blacktriangleleft "◂" ><!--BLACK LEFT-POINTING SMALL TRIANGLE -->
<!ENTITY blacktriangleright "▸" ><!--BLACK RIGHT-POINTING SMALL TRIANGLE -->
<!ENTITY bot        "⊥" ><!--UP TACK -->
<!ENTITY boxminus   "⊟" ><!--SQUARED MINUS -->
<!ENTITY boxplus    "⊞" ><!--SQUARED PLUS -->
<!ENTITY boxtimes   "⊠" ><!--SQUARED TIMES -->

```

<!ENTITY Breve "˘" ><!--BREVE -->
 <!ENTITY bullet "•" ><!--BULLET -->
 <!ENTITY bumpeq "≏" ><!--DIFFERENCE BETWEEN -->
 <!ENTITY Bumpeq "≎" ><!--GEOMETRICALLY EQUIVALENT TO -->
 <!ENTITY CapitalDifferentialD "ⅅ" ><!--DOUBLE-STRUCK ITALIC CAPITAL D -->
 <!ENTITY Cayleys "ℭ" ><!--BLACK-LETTER CAPITAL C -->
 <!ENTITY Cedilla "¸" ><!--CEDILLA -->
 <!ENTITY centerdot "·" ><!--MIDDLE DOT -->
 <!ENTITY CenterDot "·" ><!--MIDDLE DOT -->
 <!ENTITY checkmark "✓" ><!--CHECK MARK -->
 <!ENTITY circeq "≗" ><!--RING EQUAL TO -->
 <!ENTITY circlearrowleft "↺" ><!--ANTICLOCKWISE OPEN CIRCLE ARROW -->
 <!ENTITY circlearrowright "↻" ><!--CLOCKWISE OPEN CIRCLE ARROW -->
 <!ENTITY circledast "⊛" ><!--CIRCLED ASTERISK OPERATOR -->
 <!ENTITY circledcirc "⊚" ><!--CIRCLED RING OPERATOR -->
 <!ENTITY circleddash "⊝" ><!--CIRCLED DASH -->
 <!ENTITY CircleDot "⊙" ><!--CIRCLED DOT OPERATOR -->
 <!ENTITY circledR "®" ><!--REGISTERED SIGN -->
 <!ENTITY circledS "Ⓢ" ><!--CIRCLED LATIN CAPITAL LETTER S -->
 <!ENTITY CircleMinus "⊖" ><!--CIRCLED MINUS -->
 <!ENTITY CirclePlus "⊕" ><!--CIRCLED PLUS -->
 <!ENTITY CircleTimes "⊗" ><!--CIRCLED TIMES -->
 <!ENTITY ClockwiseContourIntegral "∲" ><!--CLOCKWISE CONTOUR INTEGRAL -->
 <!ENTITY CloseCurlyDoubleQuote "”" ><!--RIGHT DOUBLE QUOTATION MARK -->
 <!ENTITY CloseCurlyQuote "’" ><!--RIGHT SINGLE QUOTATION MARK -->
 <!ENTITY clubsuit "♣" ><!--BLACK CLUB SUIT -->
 <!ENTITY coloneq "≔" ><!--COLON EQUALS -->
 <!ENTITY complement "∁" ><!--COMPLEMENT -->
 <!ENTITY complexes "ℂ" ><!--DOUBLE-STRUCK CAPITAL C -->
 <!ENTITY Congruent "≡" ><!--IDENTICAL TO -->
 <!ENTITY ContourIntegral "∮" ><!--CONTOUR INTEGRAL -->
 <!ENTITY Coproduct "∐" ><!--N-ARY COPRODUCT -->
 <!ENTITY CounterClockwiseContourIntegral "∳" ><!--ANTICLOCKWISE CONTOUR INTEGRAL -->
 <!ENTITY CupCap "≍" ><!--EQUIVALENT TO -->
 <!ENTITY curlyeqprec "⋞" ><!--EQUAL TO OR PRECEDES -->
 <!ENTITY curlyeqsucc "⋟" ><!--EQUAL TO OR SUCCEEDS -->
 <!ENTITY curlyvee "⋎" ><!--CURLY LOGICAL OR -->
 <!ENTITY curlywedge "⋏" ><!--CURLY LOGICAL AND -->
 <!ENTITY curvearrowleft "↶" ><!--ANTICLOCKWISE TOP SEMICIRCLE ARROW -->
 <!ENTITY curvearrowright "↷" ><!--CLOCKWISE TOP SEMICIRCLE ARROW -->
 <!ENTITY dbkarow "⤏" ><!--RIGHTWARDS TRIPLE DASH ARROW -->
 <!ENTITY ddagger "‡" ><!--DOUBLE DAGGER -->
 <!ENTITY ddotseq "⩷" ><!--EQUALS SIGN WITH TWO DOTS ABOVE AND TWO DOTS BELOW -->
 <!ENTITY Del "∇" ><!--NABLA -->
 <!ENTITY DiacriticalAcute "´" ><!--ACUTE ACCENT -->
 <!ENTITY DiacriticalDot "˙" ><!--DOT ABOVE -->
 <!ENTITY DiacriticalDoubleAcute "˝" ><!--DOUBLE ACUTE ACCENT -->

<!ENTITY DiacriticalGrave "`" ><!--GRAVE ACCENT -->
 <!ENTITY DiacriticalTilde "˜" ><!--SMALL TILDE -->
 <!ENTITY diamond "⋄" ><!--DIAMOND OPERATOR -->
 <!ENTITY Diamond "⋄" ><!--DIAMOND OPERATOR -->
 <!ENTITY diamondsuit "♦" ><!--BLACK DIAMOND SUIT -->
 <!ENTITY DifferentialD "ⅆ" ><!--DOUBLE-STRUCK ITALIC SMALL D -->
 <!ENTITY digamma "ϝ" ><!--GREEK SMALL LETTER DIGAMMA -->
 <!ENTITY div "÷" ><!--DIVISION SIGN -->
 <!ENTITY divideontimes "⋇" ><!--DIVISION TIMES -->
 <!ENTITY doteq "≐" ><!--APPROACHES THE LIMIT -->
 <!ENTITY doteqdot "≑" ><!--GEOMETRICALLY EQUAL TO -->
 <!ENTITY DotEqual "≐" ><!--APPROACHES THE LIMIT -->
 <!ENTITY dotminus "∸" ><!--DOT MINUS -->
 <!ENTITY dotplus "∔" ><!--DOT PLUS -->
 <!ENTITY dotsquare "⊡" ><!--SQUARED DOT OPERATOR -->
 <!ENTITY doublebarwedge "⌆" ><!--PERSPECTIVE -->
 <!ENTITY DoubleContourIntegral "∯" ><!--SURFACE INTEGRAL -->
 <!ENTITY DoubleDot "¨" ><!--DIAERESIS -->
 <!ENTITY DoubleDownArrow "⇓" ><!--DOWNWARDS DOUBLE ARROW -->
 <!ENTITY DoubleLeftArrow "⇐" ><!--LEFTWARDS DOUBLE ARROW -->
 <!ENTITY DoubleLeftRightArrow "⇔" ><!--LEFT RIGHT DOUBLE ARROW -->
 <!ENTITY DoubleLeftTee "⫤" ><!--VERTICAL BAR DOUBLE LEFT TURNSTILE -->
 <!ENTITY DoubleLongLeftArrow "⟸" ><!--LONG LEFTWARDS DOUBLE ARROW -->
 <!ENTITY DoubleLongLeftRightArrow "⟺" ><!--LONG LEFT RIGHT DOUBLE ARROW -->
 <!ENTITY DoubleLongRightArrow "⟹" ><!--LONG RIGHTWARDS DOUBLE ARROW -->
 <!ENTITY DoubleRightArrow "⇒" ><!--RIGHTWARDS DOUBLE ARROW -->
 <!ENTITY DoubleRightTee "⊨" ><!--TRUE -->
 <!ENTITY DoubleUpArrow "⇑" ><!--UPWARDS DOUBLE ARROW -->
 <!ENTITY DoubleUpDownArrow "⇕" ><!--UP DOWN DOUBLE ARROW -->
 <!ENTITY DoubleVerticalBar "∥" ><!--PARALLEL TO -->
 <!ENTITY downarrow "↓" ><!--DOWNWARDS ARROW -->
 <!ENTITY Downarrow "⇓" ><!--DOWNWARDS DOUBLE ARROW -->
 <!ENTITY DownArrow "↓" ><!--DOWNWARDS ARROW -->
 <!ENTITY DownArrowUpArrow "⇵" ><!--DOWNWARDS ARROW LEFTWARDS OF UPWARDS ARROW -->
 <!ENTITY downdownarrows "⇊" ><!--DOWNWARDS PAIRED ARROWS -->
 <!ENTITY downharpoonleft "⇃" ><!--DOWNWARDS HARPOON WITH BARB LEFTWARDS -->
 <!ENTITY downharpoonright "⇂" ><!--DOWNWARDS HARPOON WITH BARB RIGHTWARDS -->
 <!ENTITY DownLeftVector "↽" ><!--LEFTWARDS HARPOON WITH BARB DOWNWARDS -->
 <!ENTITY DownRightVector "⇁" ><!--RIGHTWARDS HARPOON WITH BARB DOWNWARDS -->
 <!ENTITY DownTee "⊤" ><!--DOWN TACK -->
 <!ENTITY DownTeeArrow "↧" ><!--DOWNWARDS ARROW FROM BAR -->
 <!ENTITY drbkarow "⤐" ><!--RIGHTWARDS TWO-HEADED TRIPLE DASH ARROW -->
 <!ENTITY Element "∈" ><!--ELEMENT OF -->
 <!ENTITY emptyset "∅" ><!--EMPTY SET -->
 <!ENTITY eqcirc "≖" ><!--RING IN EQUAL TO -->
 <!ENTITY eqcolon "≕" ><!--EQUALS COLON -->
 <!ENTITY eqsim "≂" ><!--MINUS TILDE -->

<!ENTITY eqslantgr "⪖" ><!--SLANTED EQUAL TO OR GREATER-THAN -->
 <!ENTITY eqslantless "⪕" ><!--SLANTED EQUAL TO OR LESS-THAN -->
 <!ENTITY EqualTilde "≂" ><!--MINUS TILDE -->
 <!ENTITY Equilibrium "⇌" ><!--RIGHTWARDS HARPOON OVER LEFTWARDS HARPOON -->
 <!ENTITY Exists "∃" ><!--THERE EXISTS -->
 <!ENTITY expectation "ℰ" ><!--SCRIPT CAPITAL E -->
 <!ENTITY exponentiale "ⅇ" ><!--DOUBLE-STRUCK ITALIC SMALL E -->
 <!ENTITY ExponentialE "ⅇ" ><!--DOUBLE-STRUCK ITALIC SMALL E -->
 <!ENTITY fallingdotseq "≒" ><!--APPROXIMATELY EQUAL TO OR THE IMAGE OF -->
 <!ENTITY ForAll "∀" ><!--FOR ALL -->
 <!ENTITY Fouriertf "ℱ" ><!--SCRIPT CAPITAL F -->
 <!ENTITY geq "≥" ><!--GREATER-THAN OR EQUAL TO -->
 <!ENTITY geqq "≧" ><!--GREATER-THAN OVER EQUAL TO -->
 <!ENTITY geqslant "⩾" ><!--GREATER-THAN OR SLANTED EQUAL TO -->
 <!ENTITY gg "≫" ><!--MUCH GREATER-THAN -->
 <!ENTITY ggg "⋙" ><!--VERY MUCH GREATER-THAN -->
 <!ENTITY gnapprox "⪊" ><!--GREATER-THAN AND NOT APPROXIMATE -->
 <!ENTITY gneq "⪈" ><!--GREATER-THAN AND SINGLE-LINE NOT EQUAL TO -->
 <!ENTITY gneqq "≩" ><!--GREATER-THAN BUT NOT EQUAL TO -->
 <!ENTITY GreaterEqual "≥" ><!--GREATER-THAN OR EQUAL TO -->
 <!ENTITY GreaterEqualLess "⋛" ><!--GREATER-THAN EQUAL TO OR LESS-THAN -->
 <!ENTITY GreaterFullEqual "≧" ><!--GREATER-THAN OVER EQUAL TO -->
 <!ENTITY GreaterLess "≷" ><!--GREATER-THAN OR LESS-THAN -->
 <!ENTITY GreaterSlantEqual "⩾" ><!--GREATER-THAN OR SLANTED EQUAL TO -->
 <!ENTITY GreaterTilde "≳" ><!--GREATER-THAN OR EQUIVALENT TO -->
 <!ENTITY gtrapprox "⪆" ><!--GREATER-THAN OR APPROXIMATE -->
 <!ENTITY gtrdot "⋗" ><!--GREATER-THAN WITH DOT -->
 <!ENTITY gtreqless "⋛" ><!--GREATER-THAN EQUAL TO OR LESS-THAN -->
 <!ENTITY gtreqqless "⪌" ><!--GREATER-THAN ABOVE DOUBLE-LINE EQUAL ABOVE
 LESS-THAN -->
 <!ENTITY gtrless "≷" ><!--GREATER-THAN OR LESS-THAN -->
 <!ENTITY gtrsimeq "≳" ><!--GREATER-THAN OR EQUIVALENT TO -->
 <!ENTITY gvertneqq "≩︀" ><!--GREATER-THAN BUT NOT EQUAL TO - with vertical
 stroke -->
 <!ENTITY Hacek "ˇ" ><!--CARON -->
 <!ENTITY hbar "ℏ" ><!--PLANCK CONSTANT OVER TWO PI -->
 <!ENTITY heartsuit "♥" ><!--BLACK HEART SUIT -->
 <!ENTITY HilbertSpace "ℋ" ><!--SCRIPT CAPITAL H -->
 <!ENTITY hksearrow "⤥" ><!--SOUTH EAST ARROW WITH HOOK -->
 <!ENTITY hkswarrow "⤦" ><!--SOUTH WEST ARROW WITH HOOK -->
 <!ENTITY hookleftarrow "↩" ><!--LEFTWARDS ARROW WITH HOOK -->
 <!ENTITY hookrightarrow "↪" ><!--RIGHTWARDS ARROW WITH HOOK -->
 <!ENTITY hslash "ℏ" ><!--PLANCK CONSTANT OVER TWO PI -->
 <!ENTITY HumpDownHump "≎" ><!--GEOMETRICALLY EQUIVALENT TO -->
 <!ENTITY HumpEqual "≏" ><!--DIFFERENCE BETWEEN -->
 <!ENTITY iiiint "⨌" ><!--QUADRUPLE INTEGRAL OPERATOR -->
 <!ENTITY iiint "∭" ><!--TRIPLE INTEGRAL -->
 <!ENTITY Im "ℑ" ><!--BLACK-LETTER CAPITAL I -->

<!ENTITY ImaginaryI "ⅈ" ><!--DOUBLE-STRUCK ITALIC SMALL I -->
 <!ENTITY imagline "ℐ" ><!--SCRIPT CAPITAL I -->
 <!ENTITY imagpart "ℑ" ><!--BLACK-LETTER CAPITAL I -->
 <!ENTITY Implies "⇒" ><!--RIGHTWARDS DOUBLE ARROW -->
 <!ENTITY in "∈" ><!--ELEMENT OF -->
 <!ENTITY integers "ℤ" ><!--DOUBLE-STRUCK CAPITAL Z -->
 <!ENTITY Integral "∫" ><!--INTEGRAL -->
 <!ENTITY intercal "⊺" ><!--INTERCALATE -->
 <!ENTITY Intersection "⋂" ><!--N-ARY INTERSECTION -->
 <!ENTITY intprod "⨼" ><!--INTERIOR PRODUCT -->
 <!ENTITY InvisibleComma "⁣" ><!--INVISIBLE SEPARATOR -->
 <!ENTITY InvisibleTimes "⁢" ><!--INVISIBLE TIMES -->
 <!ENTITY langle "⟨" ><!--MATHEMATICAL LEFT ANGLE BRACKET -->
 <!ENTITY Laplacetrif "ℒ" ><!--SCRIPT CAPITAL L -->
 <!ENTITY lbrace "{" ><!--LEFT CURLY BRACKET -->
 <!ENTITY lbrack "[" ><!--LEFT SQUARE BRACKET -->
 <!ENTITY LeftAngleBracket "⟨" ><!--MATHEMATICAL LEFT ANGLE BRACKET -->
 <!ENTITY leftarrow "←" ><!--LEFTWARDS ARROW -->
 <!ENTITY Leftarrow "⇐" ><!--LEFTWARDS DOUBLE ARROW -->
 <!ENTITY LeftArrow "←" ><!--LEFTWARDS ARROW -->
 <!ENTITY LeftArrowBar "⇤" ><!--LEFTWARDS ARROW TO BAR -->
 <!ENTITY LeftArrowRightArrow "⇆" ><!--LEFTWARDS ARROW OVER RIGHTWARDS ARROW -->
 >
 <!ENTITY leftarrowtail "↢" ><!--LEFTWARDS ARROW WITH TAIL -->
 <!ENTITY LeftCeiling "⌈" ><!--LEFT CEILING -->
 <!ENTITY LeftDoubleBracket "⟦" ><!--MATHEMATICAL LEFT WHITE SQUARE BRACKET -->
 <!ENTITY LeftDownVector "⇃" ><!--DOWNWARDS HARPOON WITH BARB LEFTWARDS -->
 <!ENTITY LeftFloor "⌊" ><!--LEFT FLOOR -->
 <!ENTITY leftharpoondown "↽" ><!--LEFTWARDS HARPOON WITH BARB DOWNWARDS -->
 <!ENTITY leftharpoonup "↼" ><!--LEFTWARDS HARPOON WITH BARB UPWARDS -->
 <!ENTITY leftleftarrows "⇇" ><!--LEFTWARDS PAIRED ARROWS -->
 <!ENTITY leftrightarrow "↔" ><!--LEFT RIGHT ARROW -->
 <!ENTITY Leftrightarrow "⇔" ><!--LEFT RIGHT DOUBLE ARROW -->
 <!ENTITY LeftRightArrow "↔" ><!--LEFT RIGHT ARROW -->
 <!ENTITY leftrightarrows "⇆" ><!--LEFTWARDS ARROW OVER RIGHTWARDS ARROW -->
 <!ENTITY leftrightharpoons "⇋" ><!--LEFTWARDS HARPOON OVER RIGHTWARDS HARPOON -->
 ->
 <!ENTITY leftrightsquigarrow "↭" ><!--LEFT RIGHT WAVE ARROW -->
 <!ENTITY LeftTee "⊣" ><!--LEFT TACK -->
 <!ENTITY LeftTeeArrow "↤" ><!--LEFTWARDS ARROW FROM BAR -->
 <!ENTITY leftthreetimes "⋋" ><!--LEFT SEMIDIRECT PRODUCT -->
 <!ENTITY LeftTriangle "⊲" ><!--NORMAL SUBGROUP OF -->
 <!ENTITY LeftTriangleEqual "⊴" ><!--NORMAL SUBGROUP OF OR EQUAL TO -->
 <!ENTITY LeftUpVector "↿" ><!--UPWARDS HARPOON WITH BARB LEFTWARDS -->
 <!ENTITY LeftVector "↼" ><!--LEFTWARDS HARPOON WITH BARB UPWARDS -->
 <!ENTITY leq "≤" ><!--LESS-THAN OR EQUAL TO -->
 <!ENTITY leqq "≦" ><!--LESS-THAN OVER EQUAL TO -->
 <!ENTITY leqslant "⩽" ><!--LESS-THAN OR SLANTED EQUAL TO -->

<!ENTITY lessapprox "⪅" ><!--LESS-THAN OR APPROXIMATE -->
 <!ENTITY lessdot "⋖" ><!--LESS-THAN WITH DOT -->
 <!ENTITY lesseqgtr "⋚" ><!--LESS-THAN EQUAL TO OR GREATER-THAN -->
 <!ENTITY lesseqqgtr "⪋" ><!--LESS-THAN ABOVE DOUBLE-LINE EQUAL ABOVE GREATER-THAN -->
 <!ENTITY LessEqualGreater "⋚" ><!--LESS-THAN EQUAL TO OR GREATER-THAN -->
 <!ENTITY LessFullEqual "≦" ><!--LESS-THAN OVER EQUAL TO -->
 <!ENTITY LessGreater "≶" ><!--LESS-THAN OR GREATER-THAN -->
 <!ENTITY lessgtr "≶" ><!--LESS-THAN OR GREATER-THAN -->
 <!ENTITY lesssim "≲" ><!--LESS-THAN OR EQUIVALENT TO -->
 <!ENTITY LessSlantEqual "⩽" ><!--LESS-THAN OR SLANTED EQUAL TO -->
 <!ENTITY LessTilde "≲" ><!--LESS-THAN OR EQUIVALENT TO -->
 <!ENTITY ll "≪" ><!--MUCH LESS-THAN -->
 <!ENTITY llcorner "⌞" ><!--BOTTOM LEFT CORNER -->
 <!ENTITY Lleftarrow "⇚" ><!--LEFTWARDS TRIPLE ARROW -->
 <!ENTITY lmoustache "⎰" ><!--UPPER LEFT OR LOWER RIGHT CURLY BRACKET SECTION -->
 <!ENTITY lnapprox "⪉" ><!--LESS-THAN AND NOT APPROXIMATE -->
 <!ENTITY lneq "⪇" ><!--LESS-THAN AND SINGLE-LINE NOT EQUAL TO -->
 <!ENTITY lneqq "≨" ><!--LESS-THAN BUT NOT EQUAL TO -->
 <!ENTITY longleftarrow "⟵" ><!--LONG LEFTWARDS ARROW -->
 <!ENTITY Longleftarrow "⟸" ><!--LONG LEFTWARDS DOUBLE ARROW -->
 <!ENTITY LongLeftArrow "⟵" ><!--LONG LEFTWARDS ARROW -->
 <!ENTITY longleftrightarrow "⟷" ><!--LONG LEFT RIGHT ARROW -->
 <!ENTITY Longleftrightarrow "⟺" ><!--LONG LEFT RIGHT DOUBLE ARROW -->
 <!ENTITY LongLeftRightArrow "⟷" ><!--LONG LEFT RIGHT ARROW -->
 <!ENTITY longmapsto "⟼" ><!--LONG RIGHTWARDS ARROW FROM BAR -->
 <!ENTITY longrightarrow "⟶" ><!--LONG RIGHTWARDS ARROW -->
 <!ENTITY Longrightarrow "⟹" ><!--LONG RIGHTWARDS DOUBLE ARROW -->
 <!ENTITY LongRightArrow "⟶" ><!--LONG RIGHTWARDS ARROW -->
 <!ENTITY looparrowleft "↫" ><!--LEFTWARDS ARROW WITH LOOP -->
 <!ENTITY looparrowright "↬" ><!--RIGHTWARDS ARROW WITH LOOP -->
 <!ENTITY LowerLeftArrow "↙" ><!--SOUTH WEST ARROW -->
 <!ENTITY LowerRightArrow "↘" ><!--SOUTH EAST ARROW -->
 <!ENTITY lozenge "◊" ><!--LOZENGE -->
 <!ENTITY lrcorner "⌟" ><!--BOTTOM RIGHT CORNER -->
 <!ENTITY Lsh "↰" ><!--UPWARDS ARROW WITH TIP LEFTWARDS -->
 <!ENTITY lvertneqq "≨︀" ><!--LESS-THAN BUT NOT EQUAL TO - with vertical stroke -->
 <!ENTITY maltese "✠" ><!--MALTESE CROSS -->
 <!ENTITY mapsto "↦" ><!--RIGHTWARDS ARROW FROM BAR -->
 <!ENTITY measuredangle "∡" ><!--MEASURED ANGLE -->
 <!ENTITY Mellntrf "ℳ" ><!--SCRIPT CAPITAL M -->
 <!ENTITY MinusPlus "∓" ><!--MINUS-OR-PLUS SIGN -->
 <!ENTITY mp "∓" ><!--MINUS-OR-PLUS SIGN -->
 <!ENTITY multimap "⊸" ><!--MULTIMAP -->
 <!ENTITY napprox "≉" ><!--NOT ALMOST EQUAL TO -->
 <!ENTITY natural "♮" ><!--MUSIC NATURAL SIGN -->

<!ENTITY naturals "ℕ" ><!--DOUBLE-STRUCK CAPITAL N -->
 <!ENTITY narrow "↗" ><!--NORTH EAST ARROW -->
 <!ENTITY NegativeMediumSpace "​" ><!--ZERO WIDTH SPACE -->
 <!ENTITY NegativeThickSpace "​" ><!--ZERO WIDTH SPACE -->
 <!ENTITY NegativeThinSpace "​" ><!--ZERO WIDTH SPACE -->
 <!ENTITY NegativeVeryThinSpace "​" ><!--ZERO WIDTH SPACE -->
 <!ENTITY NestedGreaterGreater "≫" ><!--MUCH GREATER-THAN -->
 <!ENTITY NestedLessLess "≪" ><!--MUCH LESS-THAN -->
 <!ENTITY nexists "∄" ><!--THERE DOES NOT EXIST -->
 <!ENTITY ngeq "≱" ><!--NEITHER GREATER-THAN NOR EQUAL TO -->
 <!ENTITY ngeqq "≧̸" ><!--GREATER-THAN OVER EQUAL TO with slash -->
 <!ENTITY ngeqslant "⩾̸" ><!--GREATER-THAN OR SLANTED EQUAL TO with slash -->
 <!ENTITY ngtr "≯" ><!--NOT GREATER-THAN -->
 <!ENTITY nleftarrow "↚" ><!--LEFTWARDS ARROW WITH STROKE -->
 <!ENTITY nLeftarrow "⇍" ><!--LEFTWARDS DOUBLE ARROW WITH STROKE -->
 <!ENTITY nleftrightarrow "↮" ><!--LEFT RIGHT ARROW WITH STROKE -->
 <!ENTITY nLeftrightarrow "⇎" ><!--LEFT RIGHT DOUBLE ARROW WITH STROKE -->
 <!ENTITY nleq "≰" ><!--NEITHER LESS-THAN NOR EQUAL TO -->
 <!ENTITY nleqq "≦̸" ><!--LESS-THAN OVER EQUAL TO with slash -->
 <!ENTITY nleqslant "⩽̸" ><!--LESS-THAN OR SLANTED EQUAL TO with slash -->
 <!ENTITY nless "≮" ><!--NOT LESS-THAN -->
 <!ENTITY NonBreakingSpace " " ><!--NO-BREAK SPACE -->
 <!ENTITY NotCongruent "≢" ><!--NOT IDENTICAL TO -->
 <!ENTITY NotDoubleVerticalBar "∦" ><!--NOT PARALLEL TO -->
 <!ENTITY NotElement "∉" ><!--NOT AN ELEMENT OF -->
 <!ENTITY NotEqual "≠" ><!--NOT EQUAL TO -->
 <!ENTITY NotEqualTilde "≂̸" ><!--MINUS TILDE with slash -->
 <!ENTITY NotExists "∄" ><!--THERE DOES NOT EXIST -->
 <!ENTITY NotGreater "≯" ><!--NOT GREATER-THAN -->
 <!ENTITY NotGreaterEqual "≱" ><!--NEITHER GREATER-THAN NOR EQUAL TO -->
 <!ENTITY NotGreaterFullEqual "≦̸" ><!--LESS-THAN OVER EQUAL TO with slash -->
 <!ENTITY NotGreaterGreater "≫̸" ><!--MUCH GREATER THAN with slash -->
 <!ENTITY NotGreaterLess "≹" ><!--NEITHER GREATER-THAN NOR LESS-THAN -->
 <!ENTITY NotGreaterSlantEqual "⩾̸" ><!--GREATER-THAN OR SLANTED EQUAL TO with slash -->
 <!ENTITY NotGreaterTilde "≵" ><!--NEITHER GREATER-THAN NOR EQUIVALENT TO -->
 <!ENTITY NotHumpDownHump "≎̸" ><!--GEOMETRICALLY EQUIVALENT TO with slash -->
 <!ENTITY NotLeftTriangle "⋪" ><!--NOT NORMAL SUBGROUP OF -->
 <!ENTITY NotLeftTriangleEqual "⋬" ><!--NOT NORMAL SUBGROUP OF OR EQUAL TO -->
 <!ENTITY NotLess "≮" ><!--NOT LESS-THAN -->
 <!ENTITY NotLessEqual "≰" ><!--NEITHER LESS-THAN NOR EQUAL TO -->
 <!ENTITY NotLessGreater "≸" ><!--NEITHER LESS-THAN NOR GREATER-THAN -->
 <!ENTITY NotLessLess "≪̸" ><!--MUCH LESS THAN with slash -->
 <!ENTITY NotLessSlantEqual "⩽̸" ><!--LESS-THAN OR SLANTED EQUAL TO with slash -->
 <!ENTITY NotLessTilde "≴" ><!--NEITHER LESS-THAN NOR EQUIVALENT TO -->

<!ENTITY NotPrecedes "⊀" ><!--DOES NOT PRECEDE -->
 <!ENTITY NotPrecedesEqual "⪯̸" ><!--PRECEDES ABOVE SINGLE-LINE EQUALS SIGN with slash -->
 <!ENTITY NotPrecedesSlantEqual "⋠" ><!--DOES NOT PRECEDE OR EQUAL -->
 <!ENTITY NotReverseElement "∌" ><!--DOES NOT CONTAIN AS MEMBER -->
 <!ENTITY NotRightTriangle "⋫" ><!--DOES NOT CONTAIN AS NORMAL SUBGROUP -->
 <!ENTITY NotRightTriangleEqual "⋭" ><!--DOES NOT CONTAIN AS NORMAL SUBGROUP OR EQUAL -->
 <!ENTITY NotSquareSubsetEqual "⋢" ><!--NOT SQUARE IMAGE OF OR EQUAL TO -->
 <!ENTITY NotSquareSupersetEqual "⋣" ><!--NOT SQUARE ORIGINAL OF OR EQUAL TO -->
 <!ENTITY NotSubset "⊂⃒" ><!--SUBSET OF with vertical line -->
 <!ENTITY NotSubsetEqual "⊈" ><!--NEITHER A SUBSET OF NOR EQUAL TO -->
 <!ENTITY NotSucceeds "⊁" ><!--DOES NOT SUCCEED -->
 <!ENTITY NotSucceedsEqual "⪰̸" ><!--SUCCEEDS ABOVE SINGLE-LINE EQUALS SIGN with slash -->
 <!ENTITY NotSucceedsSlantEqual "⋡" ><!--DOES NOT SUCCEED OR EQUAL -->
 <!ENTITY NotSuperset "⊃⃒" ><!--SUPERSET OF with vertical line -->
 <!ENTITY NotSupersetEqual "⊉" ><!--NEITHER A SUPERSET OF NOR EQUAL TO -->
 <!ENTITY NotTilde "≁" ><!--NOT TILDE -->
 <!ENTITY NotTildeEqual "≄" ><!--NOT ASYMPTOTICALLY EQUAL TO -->
 <!ENTITY NotTildeFullEqual "≇" ><!--NEITHER APPROXIMATELY NOR ACTUALLY EQUAL TO -->
 <!ENTITY NotTildeTilde "≉" ><!--NOT ALMOST EQUAL TO -->
 <!ENTITY NotVerticalBar "∤" ><!--DOES NOT DIVIDE -->
 <!ENTITY nparallel "∦" ><!--NOT PARALLEL TO -->
 <!ENTITY nprec "⊀" ><!--DOES NOT PRECEDE -->
 <!ENTITY npreceq "⪯̸" ><!--PRECEDES ABOVE SINGLE-LINE EQUALS SIGN with slash -->
 <!ENTITY nrightarrow "↛" ><!--RIGHTWARDS ARROW WITH STROKE -->
 <!ENTITY nRightarrow "⇏" ><!--RIGHTWARDS DOUBLE ARROW WITH STROKE -->
 <!ENTITY nshortmid "∤" ><!--DOES NOT DIVIDE -->
 <!ENTITY nshortparallel "∦" ><!--NOT PARALLEL TO -->
 <!ENTITY nsimeq "≄" ><!--NOT ASYMPTOTICALLY EQUAL TO -->
 <!ENTITY nsubset "⊂⃒" ><!--SUBSET OF with vertical line -->
 <!ENTITY nsubsetq "⊈" ><!--NEITHER A SUBSET OF NOR EQUAL TO -->
 <!ENTITY nsubseteqq "⫅̸" ><!--SUBSET OF ABOVE EQUALS SIGN with slash -->
 <!ENTITY nsucc "⊁" ><!--DOES NOT SUCCEED -->
 <!ENTITY nsucceq "⪰̸" ><!--SUCCEEDS ABOVE SINGLE-LINE EQUALS SIGN with slash -->
 <!ENTITY nsupset "⊃⃒" ><!--SUPERSET OF with vertical line -->
 <!ENTITY nsupseteq "⊉" ><!--NEITHER A SUPERSET OF NOR EQUAL TO -->
 <!ENTITY nsupseteqq "⫆̸" ><!--SUPERSET OF ABOVE EQUALS SIGN with slash -->
 <!ENTITY ntriangleleft "⋪" ><!--NOT NORMAL SUBGROUP OF -->
 <!ENTITY ntrianglelefteq "⋬" ><!--NOT NORMAL SUBGROUP OF OR EQUAL TO -->
 <!ENTITY ntriangleright "⋫" ><!--DOES NOT CONTAIN AS NORMAL SUBGROUP -->
 <!ENTITY ntrianglerighteq "⋭" ><!--DOES NOT CONTAIN AS NORMAL SUBGROUP OR EQUAL -->
 <!ENTITY nwarrow "↖" ><!--NORTH WEST ARROW -->

<!ENTITY oint "∮" ><!--CONTOUR INTEGRAL -->
 <!ENTITY OpenCurlyDoubleQuote "“" ><!--LEFT DOUBLE QUOTATION MARK -->
 <!ENTITY OpenCurlyQuote "‘" ><!--LEFT SINGLE QUOTATION MARK -->
 <!ENTITY orderof "ℴ" ><!--SCRIPT SMALL O -->
 <!ENTITY parallel "∥" ><!--PARALLEL TO -->
 <!ENTITY PartialD "∂" ><!--PARTIAL DIFFERENTIAL -->
 <!ENTITY pitchfork "⋔" ><!--PITCHFORK -->
 <!ENTITY PlusMinus "±" ><!--PLUS-MINUS SIGN -->
 <!ENTITY pm "±" ><!--PLUS-MINUS SIGN -->
 <!ENTITY Poincareplane "ℌ" ><!--BLACK-LETTER CAPITAL H -->
 <!ENTITY prec "≺" ><!--PRECEDES -->
 <!ENTITY precapprox "⪷" ><!--PRECEDES ABOVE ALMOST EQUAL TO -->
 <!ENTITY precurlyeq "≼" ><!--PRECEDES OR EQUAL TO -->
 <!ENTITY Precedes "≺" ><!--PRECEDES -->
 <!ENTITY PrecedesEqual "⪯" ><!--PRECEDES ABOVE SINGLE-LINE EQUALS SIGN -->
 <!ENTITY PrecedesSlantEqual "≼" ><!--PRECEDES OR EQUAL TO -->
 <!ENTITY PrecedesTilde "≾" ><!--PRECEDES OR EQUIVALENT TO -->
 <!ENTITY preceq "⪯" ><!--PRECEDES ABOVE SINGLE-LINE EQUALS SIGN -->
 <!ENTITY precnapprox "⪹" ><!--PRECEDES ABOVE NOT ALMOST EQUAL TO -->
 <!ENTITY precneqq "⪵" ><!--PRECEDES ABOVE NOT EQUAL TO -->
 <!ENTITY precnsim "⋨" ><!--PRECEDES BUT NOT EQUIVALENT TO -->
 <!ENTITY precsim "≾" ><!--PRECEDES OR EQUIVALENT TO -->
 <!ENTITY primes "ℙ" ><!--DOUBLE-STRUCK CAPITAL P -->
 <!ENTITY Proportion "∷" ><!--PROPORTION -->
 <!ENTITY Proportional "∝" ><!--PROPORTIONAL TO -->
 <!ENTITY propto "∝" ><!--PROPORTIONAL TO -->
 <!ENTITY quaternions "ℍ" ><!--DOUBLE-STRUCK CAPITAL H -->
 <!ENTITY questeq "≟" ><!--QUESTIONED EQUAL TO -->
 <!ENTITY rangle "⟩" ><!--MATHEMATICAL RIGHT ANGLE BRACKET -->
 <!ENTITY rationals "ℚ" ><!--DOUBLE-STRUCK CAPITAL Q -->
 <!ENTITY rbrace "}" ><!--RIGHT CURLY BRACKET -->
 <!ENTITY rbrack "]" ><!--RIGHT SQUARE BRACKET -->
 <!ENTITY Re "ℜ" ><!--BLACK-LETTER CAPITAL R -->
 <!ENTITY realine "ℛ" ><!--SCRIPT CAPITAL R -->
 <!ENTITY realpart "ℜ" ><!--BLACK-LETTER CAPITAL R -->
 <!ENTITY reals "ℝ" ><!--DOUBLE-STRUCK CAPITAL R -->
 <!ENTITY ReverseElement "∋" ><!--CONTAINS AS MEMBER -->
 <!ENTITY ReverseEquilibrium "⇋" ><!--LEFTWARDS HARPOON OVER RIGHTWARDS HARPOON -->
 <!ENTITY ReverseUpEquilibrium "⥯" ><!--DOWNWARDS HARPOON WITH BARB LEFT BESIDE UPWARDS HARPOON WITH BARB RIGHT -->
 <!ENTITY RightAngleBracket "⟩" ><!--MATHEMATICAL RIGHT ANGLE BRACKET -->
 <!ENTITY rightharrow "→" ><!--RIGHTWARDS ARROW -->
 <!ENTITY Rightarrow "⇒" ><!--RIGHTWARDS DOUBLE ARROW -->
 <!ENTITY RightArrow "→" ><!--RIGHTWARDS ARROW -->
 <!ENTITY RightArrowBar "⇥" ><!--RIGHTWARDS ARROW TO BAR -->
 <!ENTITY RightArrowLeftArrow "⇄" ><!--RIGHTWARDS ARROW OVER LEFTWARDS ARROW -->
 >

<!ENTITY rightarrowtail "↣" ><!--RIGHTWARDS ARROW WITH TAIL -->
 <!ENTITY RightCeiling "⌉" ><!--RIGHT CEILING -->
 <!ENTITY RightDoubleBracket "⟧" ><!--MATHEMATICAL RIGHT WHITE SQUARE BRACKET -->
 <!ENTITY RightDownVector "⇂" ><!--DOWNWARDS HARPOON WITH BARB RIGHTWARDS -->
 <!ENTITY RightFloor "⌋" ><!--RIGHT FLOOR -->
 <!ENTITY rightharpoondown "⇁" ><!--RIGHTWARDS HARPOON WITH BARB DOWNWARDS -->
 <!ENTITY rightharpoonup "⇀" ><!--RIGHTWARDS HARPOON WITH BARB UPWARDS -->
 <!ENTITY rightleftarrows "⇄" ><!--RIGHTWARDS ARROW OVER LEFTWARDS ARROW -->
 <!ENTITY rightleftharpoons "⇌" ><!--RIGHTWARDS HARPOON OVER LEFTWARDS HARPOON -->
 <!-->
 <!ENTITY rightrightarrows "⇉" ><!--RIGHTWARDS PAIRED ARROWS -->
 <!ENTITY rightsquigarrow "↝" ><!--RIGHTWARDS WAVE ARROW -->
 <!ENTITY RightTee "⊢" ><!--RIGHT TACK -->
 <!ENTITY RightTeeArrow "↦" ><!--RIGHTWARDS ARROW FROM BAR -->
 <!ENTITY rightthreetimes "⋌" ><!--RIGHT SEMIDIRECT PRODUCT -->
 <!ENTITY RightTriangle "⊳" ><!--CONTAINS AS NORMAL SUBGROUP -->
 <!ENTITY RightTriangleEqual "⊵" ><!--CONTAINS AS NORMAL SUBGROUP OR EQUAL TO -->
 <!ENTITY RightUpVector "↾" ><!--UPWARDS HARPOON WITH BARB RIGHTWARDS -->
 <!ENTITY RightVector "⇀" ><!--RIGHTWARDS HARPOON WITH BARB UPWARDS -->
 <!ENTITY risingdotseq "≓" ><!--IMAGE OF OR APPROXIMATELY EQUAL TO -->
 <!ENTITY rmoustache "⎱" ><!--UPPER RIGHT OR LOWER LEFT CURLY BRACKET SECTION -->
 <!-->
 <!ENTITY Rightarrow "⇛" ><!--RIGHTWARDS TRIPLE ARROW -->
 <!ENTITY Rsh "↱" ><!--UPWARDS ARROW WITH TIP RIGHTWARDS -->
 <!ENTITY searrow "↘" ><!--SOUTH EAST ARROW -->
 <!ENTITY setminus "∖" ><!--SET MINUS -->
 <!ENTITY ShortDownArrow "↓" ><!--DOWNWARDS ARROW -->
 <!ENTITY ShortLeftArrow "←" ><!--LEFTWARDS ARROW -->
 <!ENTITY shortmid "∣" ><!--DIVIDES -->
 <!ENTITY shortparallel "∥" ><!--PARALLEL TO -->
 <!ENTITY ShortRightArrow "→" ><!--RIGHTWARDS ARROW -->
 <!ENTITY ShortUpArrow "↑" ><!--UPWARDS ARROW -->
 <!ENTITY simeq "≃" ><!--ASYMPTOTICALLY EQUAL TO -->
 <!ENTITY SmallCircle "∘" ><!--RING OPERATOR -->
 <!ENTITY smallsetminus "∖" ><!--SET MINUS -->
 <!ENTITY spadesuit "♠" ><!--BLACK SPADE SUIT -->
 <!ENTITY Sqrt "√" ><!--SQUARE ROOT -->
 <!ENTITY sqsubset "⊏" ><!--SQUARE IMAGE OF -->
 <!ENTITY sqsubsetq "⊑" ><!--SQUARE IMAGE OF OR EQUAL TO -->
 <!ENTITY sqsupset "⊐" ><!--SQUARE ORIGINAL OF -->
 <!ENTITY sqsupsetq "⊒" ><!--SQUARE ORIGINAL OF OR EQUAL TO -->
 <!ENTITY Square "□" ><!--WHITE SQUARE -->
 <!ENTITY SquareIntersection "⊓" ><!--SQUARE CAP -->
 <!ENTITY SquareSubset "⊏" ><!--SQUARE IMAGE OF -->
 <!ENTITY SquareSubsetEqual "⊑" ><!--SQUARE IMAGE OF OR EQUAL TO -->
 <!ENTITY SquareSuperset "⊐" ><!--SQUARE ORIGINAL OF -->
 <!ENTITY SquareSupersetEqual "⊒" ><!--SQUARE ORIGINAL OF OR EQUAL TO -->
 <!ENTITY SquareUnion "⊔" ><!--SQUARE CUP -->

<!ENTITY Star "⋆" ><!--STAR OPERATOR -->
 <!ENTITY straightepsilon "ϵ" ><!--GREEK LUNATE EPSILON SYMBOL -->
 <!ENTITY straightphi "ϕ" ><!--GREEK PHI SYMBOL -->
 <!ENTITY subset "⊂" ><!--SUBSET OF -->
 <!ENTITY Subset "⋐" ><!--DOUBLE SUBSET -->
 <!ENTITY subseteq "⊆" ><!--SUBSET OF OR EQUAL TO -->
 <!ENTITY subseteqq "⫅" ><!--SUBSET OF ABOVE EQUALS SIGN -->
 <!ENTITY SubsetEqual "⊆" ><!--SUBSET OF OR EQUAL TO -->
 <!ENTITY subsetneq "⊊" ><!--SUBSET OF WITH NOT EQUAL TO -->
 <!ENTITY subsetneqq "⫋" ><!--SUBSET OF ABOVE NOT EQUAL TO -->
 <!ENTITY succ "≻" ><!--SUCCEEDS -->
 <!ENTITY succapprox "⪸" ><!--SUCCEEDS ABOVE ALMOST EQUAL TO -->
 <!ENTITY succurlyeq "≽" ><!--SUCCEEDS OR EQUAL TO -->
 <!ENTITY Succeeds "≻" ><!--SUCCEEDS -->
 <!ENTITY SucceedsEqual "⪰" ><!--SUCCEEDS ABOVE SINGLE-LINE EQUALS SIGN -->
 <!ENTITY SucceedsSlantEqual "≽" ><!--SUCCEEDS OR EQUAL TO -->
 <!ENTITY SucceedsTilde "≿" ><!--SUCCEEDS OR EQUIVALENT TO -->
 <!ENTITY succeq "⪰" ><!--SUCCEEDS ABOVE SINGLE-LINE EQUALS SIGN -->
 <!ENTITY succnapprox "⪺" ><!--SUCCEEDS ABOVE NOT ALMOST EQUAL TO -->
 <!ENTITY succneqq "⪶" ><!--SUCCEEDS ABOVE NOT EQUAL TO -->
 <!ENTITY succnsim "⋩" ><!--SUCCEEDS BUT NOT EQUIVALENT TO -->
 <!ENTITY succsim "≿" ><!--SUCCEEDS OR EQUIVALENT TO -->
 <!ENTITY SuchThat "∋" ><!--CONTAINS AS MEMBER -->
 <!ENTITY Sum "∑" ><!--N-ARY SUMMATION -->
 <!ENTITY Superset "⊃" ><!--SUPERSET OF -->
 <!ENTITY SupersetEqual "⊇" ><!--SUPERSET OF OR EQUAL TO -->
 <!ENTITY supset "⊃" ><!--SUPERSET OF -->
 <!ENTITY Supset "⋑" ><!--DOUBLE SUPERSET -->
 <!ENTITY supseteq "⊇" ><!--SUPERSET OF OR EQUAL TO -->
 <!ENTITY supseteqq "⫆" ><!--SUPERSET OF ABOVE EQUALS SIGN -->
 <!ENTITY supsetneq "⊋" ><!--SUPERSET OF WITH NOT EQUAL TO -->
 <!ENTITY supsetneqq "⫌" ><!--SUPERSET OF ABOVE NOT EQUAL TO -->
 <!ENTITY swarrow "↙" ><!--SOUTH WEST ARROW -->
 <!ENTITY therefore "∴" ><!--THEREFORE -->
 <!ENTITY Therefore "∴" ><!--THEREFORE -->
 <!ENTITY thickapprox "≈" ><!--ALMOST EQUAL TO -->
 <!ENTITY thicksim "∼" ><!--TILDE OPERATOR -->
 <!ENTITY ThinSpace " " ><!--THIN SPACE -->
 <!ENTITY Tilde "∼" ><!--TILDE OPERATOR -->
 <!ENTITY TildeEqual "≃" ><!--ASYMPTOTICALLY EQUAL TO -->
 <!ENTITY TildeFullEqual "≅" ><!--APPROXIMATELY EQUAL TO -->
 <!ENTITY TildeTilde "≈" ><!--ALMOST EQUAL TO -->
 <!ENTITY toea "⤨" ><!--NORTH EAST ARROW AND SOUTH EAST ARROW -->
 <!ENTITY tosa "⤩" ><!--SOUTH EAST ARROW AND SOUTH WEST ARROW -->
 <!ENTITY triangle "▵" ><!--WHITE UP-POINTING SMALL TRIANGLE -->
 <!ENTITY triangledown "▿" ><!--WHITE DOWN-POINTING SMALL TRIANGLE -->
 <!ENTITY triangleleft "◃" ><!--WHITE LEFT-POINTING SMALL TRIANGLE -->
 <!ENTITY triangleleftq "⊴" ><!--NORMAL SUBGROUP OF OR EQUAL TO -->

<!ENTITY triangleq "≜" ><!--DELTA EQUAL TO -->
 <!ENTITY triangleright "▹" ><!--WHITE RIGHT-POINTING SMALL TRIANGLE -->
 <!ENTITY trianglerighteq "⊵" ><!--CONTAINS AS NORMAL SUBGROUP OR EQUAL TO -->
 <!ENTITY TripleDot "⃛" ><!--COMBINING THREE DOTS ABOVE -->
 <!ENTITY twoheadleftarrow "↞" ><!--LEFTWARDS TWO HEADED ARROW -->
 <!ENTITY twoheadrightarrow "↠" ><!--RIGHTWARDS TWO HEADED ARROW -->
 <!ENTITY ulcorner "⌜" ><!--TOP LEFT CORNER -->
 <!ENTITY Union "⋃" ><!--N-ARY UNION -->
 <!ENTITY UnionPlus "⊎" ><!--MULTISET UNION -->
 <!ENTITY uparrow "↑" ><!--UPWARDS ARROW -->
 <!ENTITY Uparrow "⇑" ><!--UPWARDS DOUBLE ARROW -->
 <!ENTITY UpArrow "↑" ><!--UPWARDS ARROW -->
 <!ENTITY UpArrowDownArrow "⇅" ><!--UPWARDS ARROW LEFTWARDS OF DOWNWARDS ARROW -->
 <!ENTITY updownarrow "↕" ><!--UP DOWN ARROW -->
 <!ENTITY Updownarrow "⇕" ><!--UP DOWN DOUBLE ARROW -->
 <!ENTITY UpDownArrow "↕" ><!--UP DOWN ARROW -->
 <!ENTITY UpEquilibrium "⥮" ><!--UPWARDS HARPOON WITH BARB LEFT BESIDE DOWNWARDS HARPOON WITH BARB RIGHT -->
 <!ENTITY upharpoonleft "↿" ><!--UPWARDS HARPOON WITH BARB LEFTWARDS -->
 <!ENTITY upharpoonright "↾" ><!--UPWARDS HARPOON WITH BARB RIGHTWARDS -->
 <!ENTITY UpperLeftArrow "↖" ><!--NORTH WEST ARROW -->
 <!ENTITY UpperRightArrow "↗" ><!--NORTH EAST ARROW -->
 <!ENTITY upsilon "υ" ><!--GREEK SMALL LETTER UPSILON -->
 <!ENTITY UpTee "⊥" ><!--UP TACK -->
 <!ENTITY UpTeeArrow "↥" ><!--UPWARDS ARROW FROM BAR -->
 <!ENTITY uparrows "⇈" ><!--UPWARDS PAIRED ARROWS -->
 <!ENTITY urcorner "⌝" ><!--TOP RIGHT CORNER -->
 <!ENTITY varepsilon "ϵ" ><!--GREEK LUNATE EPSILON SYMBOL -->
 <!ENTITY varkappa "ϰ" ><!--GREEK KAPPA SYMBOL -->
 <!ENTITY varnothing "∅" ><!--EMPTY SET -->
 <!ENTITY varphi "ϕ" ><!--GREEK PHI SYMBOL -->
 <!ENTITY varpi "ϖ" ><!--GREEK PI SYMBOL -->
 <!ENTITY varpropto "∝" ><!--PROPORTIONAL TO -->
 <!ENTITY varrho "ϱ" ><!--GREEK RHO SYMBOL -->
 <!ENTITY varsigma "ς" ><!--GREEK SMALL LETTER FINAL SIGMA -->
 <!ENTITY varsubsetneq "⊊︀" ><!--SUBSET OF WITH NOT EQUAL TO - variant with stroke through bottom members -->
 <!ENTITY varsubsetneqq "⫋︀" ><!--SUBSET OF ABOVE NOT EQUAL TO - variant with stroke through bottom members -->
 <!ENTITY varsupsetneq "⊋︀" ><!--SUPERSET OF WITH NOT EQUAL TO - variant with stroke through bottom members -->
 <!ENTITY varsupsetneqq "⫌︀" ><!--SUPERSET OF ABOVE NOT EQUAL TO - variant with stroke through bottom members -->
 <!ENTITY vartheta "ϑ" ><!--GREEK THETA SYMBOL -->
 <!ENTITY vartriangleleft "⊲" ><!--NORMAL SUBGROUP OF -->
 <!ENTITY vartriangleright "⊳" ><!--CONTAINS AS NORMAL SUBGROUP -->
 <!ENTITY vee "∨" ><!--LOGICAL OR -->

<!ENTITY Vee "⋁" ><!--N-ARY LOGICAL OR -->
<!ENTITY vert "|" ><!--VERTICAL LINE -->
<!ENTITY Vert "‖" ><!--DOUBLE VERTICAL LINE -->
<!ENTITY VerticalBar "∣" ><!--DIVIDES -->
<!ENTITY VerticalTilde "≀" ><!--WREATH PRODUCT -->
<!ENTITY VeryThinSpace " " ><!--HAIR SPACE -->
<!ENTITY wedge "∧" ><!--LOGICAL AND -->
<!ENTITY Wedge "⋀" ><!--N-ARY LOGICAL AND -->
<!ENTITY wp "℘" ><!--SCRIPT CAPITAL P -->
<!ENTITY wr "≀" ><!--WREATH PRODUCT -->
<!ENTITY zeetrf "ℨ" ><!--BLACK-LETTER CAPITAL Z -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/mathml/mathml3/mmlalias.ent

No license file was found, but licenses were detected in source scan.

<!--

File isobox.ent produced by the XSL script entities.xml
from input data in unicode.xml.

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Please report any errors to David Carlisle
via the public W3C list www-math@w3.org.

The numeric character values assigned to each entity
(should) match the Unicode assignments in Unicode 5.x.

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-->

<!--

Public identifier: -//W3C//ENTITIES Box and Line Drawing//EN//XML

System identifier: <http://www.w3.org/2003/entities/2007/isobox.ent>

The public identifier should always be used verbatim.

The system identifier may be changed to suit local requirements.

Typical invocation:

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<!ENTITY % isobox PUBLIC
  "-//W3C//ENTITIES Box and Line Drawing//EN//XML"
  "http://www.w3.org/2003/entities/2007/isobox.ent"
>
%isobox;

-->

<!ENTITY boxdl      "┐" ><!--BOX DRAWINGS LIGHT DOWN AND LEFT -->
<!ENTITY boxdL     "╕" ><!--BOX DRAWINGS DOWN SINGLE AND LEFT DOUBLE -->
<!ENTITY boxDL     "╖" ><!--BOX DRAWINGS DOWN DOUBLE AND LEFT SINGLE -->
<!ENTITY boxDL     "╗" ><!--BOX DRAWINGS DOUBLE DOWN AND LEFT -->
<!ENTITY boxdr     "┌" ><!--BOX DRAWINGS LIGHT DOWN AND RIGHT -->
<!ENTITY boxdR     "╒" ><!--BOX DRAWINGS DOWN SINGLE AND RIGHT DOUBLE -->
<!ENTITY boxDr     "╓" ><!--BOX DRAWINGS DOWN DOUBLE AND RIGHT SINGLE -->
<!ENTITY boxDR     "╔" ><!--BOX DRAWINGS DOUBLE DOWN AND RIGHT -->
<!ENTITY boxh      "─" ><!--BOX DRAWINGS LIGHT HORIZONTAL -->
<!ENTITY boxH      "═" ><!--BOX DRAWINGS DOUBLE HORIZONTAL -->
<!ENTITY boxhd     "┬" ><!--BOX DRAWINGS LIGHT DOWN AND HORIZONTAL -->
<!ENTITY boxhD     "╥" ><!--BOX DRAWINGS DOWN DOUBLE AND HORIZONTAL SINGLE
-->
<!ENTITY boxHd     "╤" ><!--BOX DRAWINGS DOWN SINGLE AND HORIZONTAL DOUBLE
-->
<!ENTITY boxHD     "╦" ><!--BOX DRAWINGS DOUBLE DOWN AND HORIZONTAL -->
<!ENTITY boxhu     "┴" ><!--BOX DRAWINGS LIGHT UP AND HORIZONTAL -->
<!ENTITY boxhU     "╨" ><!--BOX DRAWINGS UP DOUBLE AND HORIZONTAL SINGLE -->
<!ENTITY boxHu     "╧" ><!--BOX DRAWINGS UP SINGLE AND HORIZONTAL DOUBLE -->
<!ENTITY boxHU     "╩" ><!--BOX DRAWINGS DOUBLE UP AND HORIZONTAL -->
<!ENTITY boxul     "┘" ><!--BOX DRAWINGS LIGHT UP AND LEFT -->
<!ENTITY boxuL     "╛" ><!--BOX DRAWINGS UP SINGLE AND LEFT DOUBLE -->
<!ENTITY boxUL     "╜" ><!--BOX DRAWINGS UP DOUBLE AND LEFT SINGLE -->
<!ENTITY boxUL     "╝" ><!--BOX DRAWINGS DOUBLE UP AND LEFT -->
<!ENTITY boxur     "└" ><!--BOX DRAWINGS LIGHT UP AND RIGHT -->
<!ENTITY boxuR     "╘" ><!--BOX DRAWINGS UP SINGLE AND RIGHT DOUBLE -->
<!ENTITY boxUr     "╙" ><!--BOX DRAWINGS UP DOUBLE AND RIGHT SINGLE -->
<!ENTITY boxUR     "╚" ><!--BOX DRAWINGS DOUBLE UP AND RIGHT -->
<!ENTITY boxv      "│" ><!--BOX DRAWINGS LIGHT VERTICAL -->
<!ENTITY boxV      "║" ><!--BOX DRAWINGS DOUBLE VERTICAL -->
<!ENTITY boxvh     "┼" ><!--BOX DRAWINGS LIGHT VERTICAL AND HORIZONTAL -->
<!ENTITY boxvH     "╪" ><!--BOX DRAWINGS VERTICAL SINGLE AND HORIZONTAL
DOUBLE -->
<!ENTITY boxVh     "╫" ><!--BOX DRAWINGS VERTICAL DOUBLE AND HORIZONTAL
```

```

SINGLE -->
<!ENTITY boxVH      "&#x0256C;" ><!--BOX DRAWINGS DOUBLE VERTICAL AND HORIZONTAL -->
<!ENTITY boxvL     "&#x02524;" ><!--BOX DRAWINGS LIGHT VERTICAL AND LEFT -->
<!ENTITY boxvL     "&#x02561;" ><!--BOX DRAWINGS VERTICAL SINGLE AND LEFT DOUBLE -->
<!ENTITY boxVI     "&#x02562;" ><!--BOX DRAWINGS VERTICAL DOUBLE AND LEFT SINGLE -->
<!ENTITY boxVL     "&#x02563;" ><!--BOX DRAWINGS DOUBLE VERTICAL AND LEFT -->
<!ENTITY boxvR     "&#x0251C;" ><!--BOX DRAWINGS LIGHT VERTICAL AND RIGHT -->
<!ENTITY boxvR     "&#x0255E;" ><!--BOX DRAWINGS VERTICAL SINGLE AND RIGHT DOUBLE -->
<!ENTITY boxVr     "&#x0255F;" ><!--BOX DRAWINGS VERTICAL DOUBLE AND RIGHT SINGLE -->
<!ENTITY boxVR     "&#x02560;" ><!--BOX DRAWINGS DOUBLE VERTICAL AND RIGHT -->

```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/mathml/mathml3/isobox.ent
```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- XHTML Inline Style Module ..... -->
<!-- file: xhtml-instyle-1.mod

```

This is XHTML, a reformulation of HTML as a modular XML application.
 Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
 Revision: \$Id: xhtml-instyle-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```

PUBLIC "-//W3C//ENTITIES XHTML Inline Style 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-instyle-1.mod"

```

Revisions:

(none)

```
..... -->
```

```
<!-- Inline Style
```

This module declares the 'style' attribute, used to support inline style markup. This module must be instantiated prior to the XHTML Common Attributes module in order to be included in %Core.attrib;.

```
-->
```

```

<!ENTITY % style.attrib
  "style    CDATA    #IMPLIED"
>

```

```

<!ENTITY % Core.extra.attrib
  "%style.attrib;"
>

```

<!-- end of xhtml-inlstyle-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/xhtml11/xhtml-inlstyle-1.mod

No license file was found, but licenses were detected in source scan.

<!--

* This is a schema for the XML representation of JSON used as the target for the
* function fn:json-to-xml()
*
* The schema is made available under the terms of the W3C software notice and license
* at <http://www.w3.org/Consortium/Legal/copyright-software-19980720>
*

-->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/json.xsd

No license file was found, but licenses were detected in source scan.

dimensional graphics in XML.

The Scalable Vector Graphics (SVG)

Copyright 2001, 2002 World Wide Web Consortium

(Massachusetts Institute of Technology, Institut National de
Recherche en Informatique et en Automatique, Keio University).

All Rights Reserved.

Permission to use, copy, modify and distribute the SVG DTD and its
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representation about the suitability of the DTD for any purpose.

It is provided "as is" without expressed or implied warranty.

Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>

Revision: \$Id: svg11

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/svg11/templates/svg11-template.dtd

No license file was found, but licenses were detected in source scan.

<!-- -->

<!-- XHTML Document Metainformation Module -->

<!-- file: xhtml-meta-1.mod

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2000 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: xhtml-meta-1.mod,v 1.1 2001/02/13 12:24:22 ht Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Metainformation 1.0//EN"  
SYSTEM "http://www.w3.org/TR/xhtml-modulization/DTD/xhtml-meta-1.mod"
```

Revisions:

(none)

..... -->

<!-- Meta Information

meta

This module declares the meta element type and its attributes,
used to provide declarative document metainformation.

-->

<!-- meta: Generic Metainformation -->

```
<!ENTITY % meta.element "INCLUDE" >  
<![%meta.element;[  
<!ENTITY % meta.content "EMPTY" >  
<!ENTITY % meta.qname "meta" >  
<!ELEMENT %meta.qname; %meta.content; >  
<!-- end of meta.element -->]]>
```

```
<!ENTITY % meta.attlist "INCLUDE" >  
<![%meta.attlist;[  
<!ATTLIST %meta.qname;  
  %XHTML.xmlns.attrib;  
  %I18n.attrib;  
  http-equiv  NMTOKEN          #IMPLIED  
  name        NMTOKEN          #IMPLIED  
  content     CDATA            #REQUIRED  
  scheme      CDATA            #IMPLIED  
>  
<!-- end of meta.attlist -->]]>
```

<!-- end of xhtml-meta-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/rddl/xhtml-meta-1.mod

No license file was found, but licenses were detected in source scan.

//W3C//DTD Specification V2.10//EN"

"http://www.w3.org/2002/xmlspec/dtd/2.10/xmlspec.dtd">

PURPOSE:

This XML DTD is for W3C specifications and other technical reports.
It is based in part on the TEI Lite and Sweb DTDs.

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This document is governed by the W3C Software License[3] as
described in the FAQ[4].

[1] <http://www.w3.org/TR/xslt>

[2] <http://www.w3.org/XML/1998/06/xmlspec>

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xmlspec/xmlspec.dtd

No license file was found, but licenses were detected in source scan.

<!-- -->

<!-- XHTML Character Entities Module -->

<!-- file: xhtml-charent-1.mod

This is XHTML, a reformulation of HTML as a modular XML application.

Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.

Revision: \$Id: xhtml-charent-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ENTITIES XHTML Character Entities 1.0//EN"

SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-charent-1.mod"

Revisions:

(none)

..... -->

<!-- Character Entities for XHTML

This module declares the set of character entities for XHTML,

including the Latin 1, Symbol and Special character collections.

-->

<!ENTITY % xhtml-lat1

PUBLIC "-//W3C//ENTITIES Latin 1 for XHTML//EN"

```

    "xhtml-lat1.ent" >
%xhtml-lat1;

<!ENTITY % xhtml-symbol
    PUBLIC "-//W3C//ENTITIES Symbols for XHTML//EN"
        "xhtml-symbol.ent" >
%xhtml-symbol;

<!ENTITY % xhtml-special
    PUBLIC "-//W3C//ENTITIES Special for XHTML//EN"
        "xhtml-special.ent" >
%xhtml-special;

<!-- end of xhtml-charent-1.mod -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-charent-1.mod

```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- SVG 1.1 Color Profile Module ..... -->
<!-- file: svg-profile.mod

```

This is SVG, a language for describing two-dimensional graphics in XML.
 Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
 Revision: \$Id: svg-profile.mod,v 1.3 2002/11/14 15:11:03 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```

    PUBLIC "-//W3C//ELEMENTS SVG 1.1 Color Profile//EN"
    SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-profile.mod"

```

```

..... -->

```

```

<!-- Color Profile

```

```

    color-profile

```

This module declares markup to provide support for color profile.

```

-->

```

```

<!-- Qualified Names (Default) ..... -->

```

```

<!ENTITY % SVG.color-profile.qname "color-profile" >

```

```

<!-- Attribute Collections (Default) ..... -->

```

```

<!ENTITY % SVG.Core.attrib "" >
<!ENTITY % SVG.XLink.attrib "" >

<!-- SVG.ColorProfile.class ..... -->

<!ENTITY % SVG.ColorProfile.extra.class "" >

<!ENTITY % SVG.ColorProfile.class
  "| %SVG.color-profile.qname; %SVG.ColorProfile.extra.class;"
>

<!-- SVG.ColorProfile.attrib ..... -->

<!ENTITY % SVG.ColorProfile.extra.attrib "" >

<!ENTITY % SVG.ColorProfile.attrib
  "color-profile CDATA #IMPLIED
  %SVG.ColorProfile.extra.attrib;"
>

<!-- color-profile: Color Profile Element ..... -->

<!ENTITY % SVG.color-profile.extra.content "" >

<!ENTITY % SVG.color-profile.element "INCLUDE" >
<![%SVG.color-profile.element;[
<!ENTITY % SVG.color-profile.content
  "( %SVG.Description.class; %SVG.color-profile.extra.content; )*"
>
<!ELEMENT %SVG.color-profile.qname; %SVG.color-profile.content; >
<!-- end of SVG.color-profile.element -->]]>

<!ENTITY % SVG.color-profile.attlist "INCLUDE" >
<![%SVG.color-profile.attlist;[
<!ATTLIST %SVG.color-profile.qname;
  %SVG.Core.attrib;
  %SVG.XLink.attrib;
  local CDATA #IMPLIED
  name CDATA #REQUIRED
  rendering-intent ( auto | perceptual | relative-colorimetric | saturation |
    absolute-colorimetric ) 'auto'
>
<!-- end of SVG.color-profile.attlist -->]]>

<!-- end of svg-profile.mod -->

```

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-

jar/net/sf/saxon/data/w3c/svg11/svg-profile.mod

No license file was found, but licenses were detected in source scan.

<!--

File isodia.ent produced by the XSL script entities.xml
from input data in unicode.xml.

Copyright 1998 - 2009 W3C.

Use and distribution of this code are permitted under the terms of the
W3C Software Notice and License.

<http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231.html>

Please report any errors to David Carlisle
via the public W3C list www-math@w3.org.

The numeric character values assigned to each entity
(should) match the Unicode assignments in Unicode 5.x.

Entity names in this file are derived from files carrying the
following notice:

(C) International Organization for Standardization 1986
Permission to copy in any form is granted for use with
conforming SGML systems and applications as defined in
ISO 8879, provided this notice is included in all copies.

-->

<!--

Public identifier: `-//W3C//ENTITIES Diacritical Marks//EN//XML`
System identifier: `http://www.w3.org/2003/entities/2007/isodia.ent`

The public identifier should always be used verbatim.
The system identifier may be changed to suit local requirements.

Typical invocation:

```
<!ENTITY % isodia PUBLIC
  "-//W3C//ENTITIES Diacritical Marks//EN//XML"
  "http://www.w3.org/2003/entities/2007/isodia.ent"
>
%isodia;
```

-->

| | |
|----------------|--|
| <!ENTITY acute | "´" ><!--ACUTE ACCENT --> |
| <!ENTITY breve | "˘" ><!--BREVE --> |
| <!ENTITY caron | "ˇ" ><!--CARON --> |
| <!ENTITY cedil | "¸" ><!--CEDILLA --> |
| <!ENTITY circ | "ˆ" ><!--MODIFIER LETTER CIRCUMFLEX ACCENT --> |
| <!ENTITY dblac | "˝" ><!--DOUBLE ACUTE ACCENT --> |
| <!ENTITY die | "¨" ><!--DIAERESIS --> |
| <!ENTITY dot | "˙" ><!--DOT ABOVE --> |
| <!ENTITY grave | "`" ><!--GRAVE ACCENT --> |
| <!ENTITY macr | "¯" ><!--MACRON --> |
| <!ENTITY ogon | "˛" ><!--OGONEK --> |
| <!ENTITY ring | "˚" ><!--RING ABOVE --> |
| <!ENTITY tilde | "˜" ><!--SMALL TILDE --> |
| <!ENTITY uml | "¨" ><!--DIAERESIS --> |

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/mathml/mathml3/isodia.ent
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML 1.1 Document Model Module ..... -->
<!-- file: xhtml11-model-1.mod
```

This is XHTML 1.1, a reformulation of HTML as a modular XML application.
 Copyright 1998-2008 W3C (MIT, ERCIM, Keio), All Rights Reserved.
 Revision: \$Id: xhtml11-model-1.mod,v 1.18 2009/06/24 17:24:55 ahby Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES XHTML 1.1 Document Model 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml11-model-1.mod"
```

Revisions:
 (none)

```
..... -->
```

```
<!-- XHTML 1.1 Document Model
```

This module describes the groupings of elements that make up
 common content models for XHTML elements.

XHTML has three basic content models:

- %Inline.mix; character-level elements
- %Block.mix; block-like elements, eg., paragraphs and lists
- %Flow.mix; any block or inline elements

Any parameter entities declared in this module may be used to create element content models, but the above three are considered 'global' (insofar as that term applies here).

The reserved word '#PCDATA' (indicating a text string) is now included explicitly with each element declaration that is declared as mixed content, as XML requires that this token occur first in a content model specification.

-->

<!-- Extending the Model

While in some cases this module may need to be rewritten to accommodate changes to the document model, minor extensions may be accomplished by redeclaring any of the three *.extra; parameter entities to contain extension element types as follows:

%Misc.extra; whose parent may be any block or inline element.

%Inline.extra; whose parent may be any inline element.

%Block.extra; whose parent may be any block element.

If used, these parameter entities must be an OR-separated list beginning with an OR separator ("|"), eg., "| a | b | c"

All block and inline *.class parameter entities not part of the *struct.class classes begin with "|" to allow for exclusion from mixes.

-->

<!-- Optional Elements in head -->

```
<!ENTITY % HeadOpts.mix
  "( %script.qname; | %style.qname; | %meta.qname;
  | %link.qname; | %object.qname; )*"
>
```

<!-- Miscellaneous Elements -->

<!-- ins and del are used to denote editing changes

-->

```
<!ENTITY % Edit.class "| %ins.qname; | %del.qname;" >
```

<!-- script and noscript are used to contain scripts and alternative content

-->

```
<!ENTITY % Script.class "| %script.qname; | %noscript.qname;" >
```

```

<!ENTITY % Misc.extra "" >

<!-- These elements are neither block nor inline, and can
essentially be used anywhere in the document body.
-->
<!ENTITY % Misc.class
"%Edit.class;
%Script.class;
%Misc.extra;"
>

<!-- ..... Inline Elements ..... -->

<!ENTITY % InlStruct.class "%br.qname; | %span.qname;" >

<!ENTITY % InlPhras.class
"| %em.qname; | %strong.qname; | %dfn.qname; | %code.qname;
| %samp.qname; | %kbd.qname; | %var.qname; | %cite.qname;
| %abbr.qname; | %acronym.qname; | %q.qname;" >

<!ENTITY % InlPres.class
"| %tt.qname; | %i.qname; | %b.qname; | %big.qname;
| %small.qname; | %sub.qname; | %sup.qname;" >

<!ENTITY % I18n.class "| %bdo.qname;" >

<!ENTITY % Anchor.class "| %a.qname;" >

<!ENTITY % InlSpecial.class
"| %img.qname; | %map.qname;
| %object.qname;" >

<!ENTITY % InlForm.class
"| %input.qname; | %select.qname; | %textarea.qname;
| %label.qname; | %button.qname;" >

<!ENTITY % Inline.extra "" >

<!ENTITY % Ruby.class "| %ruby.qname;" >

<!-- %Inline.class; includes all inline elements,
used as a component in mixes
-->
<!ENTITY % Inline.class
"%InlStruct.class;
%InlPhras.class;
%InlPres.class;

```

```

    %I18n.class;
    %Anchor.class;
    %InlSpecial.class;
    %InlForm.class;
    %Ruby.class;
    %Inline.extra;"
>

<!-- %InlNoRuby.class; includes all inline elements
    except ruby, used as a component in mixes
-->
<!ENTITY % InlNoRuby.class
    "%InlStruct.class;
    %InlPhras.class;
    %InlPres.class;
    %I18n.class;
    %Anchor.class;
    %InlSpecial.class;
    %InlForm.class;
    %Inline.extra;"
>

<!-- %NoRuby.content; includes all inlines except ruby
-->
<!ENTITY % NoRuby.content
    "( #PCDATA
    | %InlNoRuby.class;
    %Misc.class; )*"
>

<!-- %InlNoAnchor.class; includes all non-anchor inlines,
    used as a component in mixes
-->
<!ENTITY % InlNoAnchor.class
    "%InlStruct.class;
    %InlPhras.class;
    %InlPres.class;
    %I18n.class;
    %InlSpecial.class;
    %InlForm.class;
    %Ruby.class;
    %Inline.extra;"
>

<!-- %InlNoAnchor.mix; includes all non-anchor inlines
-->
<!ENTITY % InlNoAnchor.mix
    "%InlNoAnchor.class;

```

```

    %Misc.class;"
>

<!-- %Inline.mix; includes all inline elements, including %Misc.class;
-->
<!ENTITY % Inline.mix
    "%Inline.class;
    %Misc.class;"
>

<!-- ..... Block Elements ..... -->

<!-- In the HTML 4.0 DTD, heading and list elements were included
in the %block; parameter entity. The %Heading.class; and
%List.class; parameter entities must now be included explicitly
on element declarations where desired.
-->

<!ENTITY % Heading.class
    "%h1.qname; | %h2.qname; | %h3.qname;
    | %h4.qname; | %h5.qname; | %h6.qname;" >

<!ENTITY % List.class "%ul.qname; | %ol.qname; | %dl.qname;" >

<!ENTITY % Table.class "| %table.qname;" >

<!ENTITY % Form.class "| %form.qname;" >

<!ENTITY % Fieldset.class "| %fieldset.qname;" >

<!ENTITY % BlkStruct.class "%p.qname; | %div.qname;" >

<!ENTITY % BlkPhras.class
    "| %pre.qname; | %blockquote.qname; | %address.qname;" >

<!ENTITY % BlkPres.class "| %hr.qname;" >

<!ENTITY % BlkSpecial.class
    "%Table.class;
    %Form.class;
    %Fieldset.class;"
>

<!ENTITY % Block.extra "" >

<!-- %Block.class; includes all block elements,
used as an component in mixes
-->

```

```

<!ENTITY % Block.class
  "%BlkStruct.class;
  %BlkPhras.class;
  %BlkPres.class;
  %BlkSpecial.class;
  %Block.extra;"
>

<!-- %Block.mix; includes all block elements plus %Misc.class;
-->
<!ENTITY % Block.mix
  "%Heading.class;
  | %List.class;
  | %Block.class;
  %Misc.class;"
>

<!-- ..... All Content Elements ..... -->

<!-- %Flow.mix; includes all text content, block and inline
-->
<!ENTITY % Flow.mix
  "%Heading.class;
  | %List.class;
  | %Block.class;
  | %Inline.class;
  %Misc.class;"
>

<!-- end of xhtml11-model-1.mod -->

```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml11-model-1.mod
```

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It is provided "as is" without expressed or implied warranty.

Revision: \$Id: mathml2.dtd,v 1.12 2003/11/04 13:14:35 davidc Exp \$

This entity may be identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/mathml/mathml2/mathml2.dtd

No license file was found, but licenses were detected in source scan.

<!-- -->
<!-- SVG 1.1 Clip Module -->
<!-- file: svg-clip.mod

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-clip.mod,v 1.3 2002/10/24 17:40:15 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ELEMENTS SVG 1.1 Clip//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-clip.mod"

..... -->

<!-- Clip

clipPath

This module declares markup to provide support for clipping.

-->

<!-- 'clip-path' property/attribute value (e.g., 'none', <uri>) -->
<!ENTITY % ClipPathValue.datatype "CDATA" >

<!-- Qualified Names (Default) -->

<!ENTITY % SVG.clipPath.qname "clipPath" >

<!-- Attribute Collections (Default) -->

<!ENTITY % SVG.Core.attrib "" >
<!ENTITY % SVG.Conditional.attrib "" >
<!ENTITY % SVG.Style.attrib "" >
<!ENTITY % SVG.Text.attrib "" >
<!ENTITY % SVG.TextContent.attrib "" >
<!ENTITY % SVG.Font.attrib "" >

```

<!ENTITY % SVG.Paint.attrib "" >
<!ENTITY % SVG.Color.attrib "" >
<!ENTITY % SVG.Opacity.attrib "" >
<!ENTITY % SVG.Graphics.attrib "" >
<!ENTITY % SVG.Mask.attrib "" >
<!ENTITY % SVG.Filter.attrib "" >
<!ENTITY % SVG.Cursor.attrib "" >
<!ENTITY % SVG.External.attrib "" >

<!-- SVG.Clip.class ..... -->

<!ENTITY % SVG.Clip.extra.class "" >

<!ENTITY % SVG.Clip.class
  "| %SVG.clipPath.qname; %SVG.Clip.extra.class;"
>

<!-- SVG.Clip.attrib ..... -->

<!ENTITY % SVG.Clip.extra.attrib "" >

<!ENTITY % SVG.Clip.attrib
  "clip-path %ClipPathValue.datatype; #IMPLIED
  clip-rule %ClipFillRule.datatype; #IMPLIED
  %SVG.Clip.extra.attrib;"
>

<!-- clipPath: Clip Path Element ..... -->

<!ENTITY % SVG.clipPath.extra.content "" >

<!ENTITY % SVG.clipPath.element "INCLUDE" >
<![%SVG.clipPath.element;[
<!ENTITY % SVG.clipPath.content
  "(( %SVG.Description.class; )*, ( %SVG.Animation.class; %SVG.Use.class;
  %SVG.Shape.class; %SVG.Text.class; %SVG.clipPath.extra.content; )*)"
>
<!ELEMENT %SVG.clipPath.qname; %SVG.clipPath.content; >
<!-- end of SVG.clipPath.element -->]]>

<!ENTITY % SVG.clipPath.attlist "INCLUDE" >
<![%SVG.clipPath.attlist;[
<!ATTLIST %SVG.clipPath.qname;
  %SVG.Core.attrib;
  %SVG.Conditional.attrib;
  %SVG.Style.attrib;
  %SVG.Text.attrib;
  %SVG.TextContent.attrib;

```



```

%SVG.Font.attrib;
%SVG.Paint.attrib;
%SVG.Color.attrib;
%SVG.Opacity.attrib;
%SVG.Graphics.attrib;
%SVG.Clip.attrib;
%SVG.Mask.attrib;
%SVG.Filter.attrib;
%SVG.Cursor.attrib;
%SVG.External.attrib;
transform %TransformList.datatype; #IMPLIED
clipPathUnits ( userSpaceOnUse | objectBoundingBox ) #IMPLIED
>
<!-- end of SVG.clipPath.attlist -->]]>

```

```

<!-- end of svg-clip.mod -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-clip.mod

```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- XHTML Link Element Module ..... -->
<!-- file: xhtml-link-1.mod

```

This is XHTML, a reformulation of HTML as a modular XML application.
 Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
 Revision: \$Id: xhtml-link-1.mod,v 4.1 2001/04/05 06:57:40 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```

PUBLIC "-//W3C//ELEMENTS XHTML Link Element 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-link-1.mod"

```

Revisions:

(none)

```

..... -->

```

```

<!-- Link element

```

link

This module declares the link element type and its attributes,
 which could (in principle) be used to define document-level links
 to external resources such as:

a) for document specific toolbars/menus, e.g. start, contents,

- previous, next, index, end, help
- b) to link to a separate style sheet (rel="stylesheet")
- c) to make a link to a script (rel="script")
- d) by style sheets to control how collections of html nodes are rendered into printed documents
- e) to make a link to a printable version of this document
 - e.g. a postscript or pdf version (rel="alternate" media="print")

-->

<!-- link: Media-Independent Link -->

```
<!ENTITY % link.element "INCLUDE" >
<![%link.element;[
<!ENTITY % link.content "EMPTY" >
<!ENTITY % link.qname "link" >
<!ELEMENT %link.qname; %link.content; >
<!-- end of link.element -->]]>
```

```
<!ENTITY % link.attlist "INCLUDE" >
<![%link.attlist;[
<!ATTLIST %link.qname;
  %Common.attrib;
  charset %Charset.datatype; #IMPLIED
  href %URI.datatype; #IMPLIED
  hreflang %LanguageCode.datatype; #IMPLIED
  type %ContentType.datatype; #IMPLIED
  rel %LinkTypes.datatype; #IMPLIED
  rev %LinkTypes.datatype; #IMPLIED
  media %MediaDesc.datatype; #IMPLIED
>
<!-- end of link.attlist -->]]>
```

<!-- end of xhtml-link-1.mod -->

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-link-1.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- SVG 1.1 Animation Module ..... -->
<!-- file: svg-animation.mod
```

This is SVG, a language for describing two-dimensional graphics in XML.

Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.

Revision: \$Id: svg-animation.mod,v 1.3 2002/10/24 17:40:14 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS SVG 1.1 Animation//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-animation.mod"
```

```
..... -->
```

```
<!-- Animation
```

```
animate, set, animateMotion, animateColor, animateTransform, mpath
```

```
This module declares markup to provide support for animation.
```

```
-->
```

```
<!-- Qualified Names (Default) ..... -->
```

```
<!ENTITY % SVG.animate.qname "animate" >
```

```
<!ENTITY % SVG.set.qname "set" >
```

```
<!ENTITY % SVG.animateMotion.qname "animateMotion" >
```

```
<!ENTITY % SVG.animateColor.qname "animateColor" >
```

```
<!ENTITY % SVG.animateTransform.qname "animateTransform" >
```

```
<!ENTITY % SVG.mpath.qname "mpath" >
```

```
<!-- Attribute Collections (Default) ..... -->
```

```
<!ENTITY % SVG.Core.attrib "" >
```

```
<!ENTITY % SVG.Conditional.attrib "" >
```

```
<!ENTITY % SVG.AnimationEvents.attrib "" >
```

```
<!ENTITY % SVG.XLink.attrib "" >
```

```
<!ENTITY % SVG.XLinkRequired.attrib "" >
```

```
<!ENTITY % SVG.External.attrib "" >
```

```
<!-- SVG.Animation.class ..... -->
```

```
<!ENTITY % SVG.Animation.extra.class "" >
```

```
<!ENTITY % SVG.Animation.class
```

```
"%SVG.animate.qname; | %SVG.set.qname; | %SVG.animateMotion.qname; |
```

```
%SVG.animateColor.qname; | %SVG.animateTransform.qname;
```

```
%SVG.Animation.extra.class;"
```

```
>
```

```
<!-- SVG.Animation.attrib ..... -->
```

```
<!ENTITY % SVG.Animation.extra.attrib "" >
```

```
<!ENTITY % SVG.Animation.attrib
```

```
"%SVG.XLink.attrib;
```

```
%SVG.Animation.extra.attrib;"
```

```

>

<!-- SVG.AnimationAttribute.attrib ..... -->

<!ENTITY % SVG.AnimationAttribute.extra.attrib "" >

<!ENTITY % SVG.AnimationAttribute.attrib
"attributeName CDATA #REQUIRED
attributeType CDATA #IMPLIED
%SVG.AnimationAttribute.extra.attrib;"
>

<!-- SVG.AnimationTiming.attrib ..... -->

<!ENTITY % SVG.AnimationTiming.extra.attrib "" >

<!ENTITY % SVG.AnimationTiming.attrib
"begin CDATA #IMPLIED
dur CDATA #IMPLIED
end CDATA #IMPLIED
min CDATA #IMPLIED
max CDATA #IMPLIED
restart ( always | never | whenNotActive ) 'always'
repeatCount CDATA #IMPLIED
repeatDur CDATA #IMPLIED
fill ( remove | freeze ) 'remove'
%SVG.AnimationTiming.extra.attrib;"
>

<!-- SVG.AnimationValue.attrib ..... -->

<!ENTITY % SVG.AnimationValue.extra.attrib "" >

<!ENTITY % SVG.AnimationValue.attrib
"calcMode ( discrete | linear | paced | spline ) 'linear'
values CDATA #IMPLIED
keyTimes CDATA #IMPLIED
keySplines CDATA #IMPLIED
from CDATA #IMPLIED
to CDATA #IMPLIED
by CDATA #IMPLIED
%SVG.AnimationValue.extra.attrib;"
>

<!-- SVG.AnimationAddtion.attrib ..... -->

<!ENTITY % SVG.AnimationAddtion.extra.attrib "" >

```

```

<!ENTITY % SVG.AnimationAddtion.attrib
"additive ( replace | sum ) 'replace'
accumulate ( none | sum ) 'none'
%SVG.AnimationAddtion.extra.attrib;"
>

<!-- animate: Animate Element ..... -->

<!ENTITY % SVG.animate.extra.content "" >

<!ENTITY % SVG.animate.element "INCLUDE" >
<![%SVG.animate.element;[
<!ENTITY % SVG.animate.content
"( %SVG.Description.class; %SVG.animate.extra.content; )*"
>
<!ELEMENT %SVG.animate.qname; %SVG.animate.content; >
<!-- end of SVG.animate.element -->]]>

<!ENTITY % SVG.animate.attlist "INCLUDE" >
<![%SVG.animate.attlist;[
<!ATTLIST %SVG.animate.qname;
%SVG.Core.attrib;
%SVG.Conditional.attrib;
%SVG.AnimationEvents.attrib;
%SVG.External.attrib;
%SVG.Animation.attrib;
%SVG.AnimationAttribute.attrib;
%SVG.AnimationTiming.attrib;
%SVG.AnimationValue.attrib;
%SVG.AnimationAddtion.attrib;
>
<!-- end of SVG.animate.attlist -->]]>

<!-- set: Set Element ..... -->

<!ENTITY % SVG.set.extra.content "" >

<!ENTITY % SVG.set.element "INCLUDE" >
<![%SVG.set.element;[
<!ENTITY % SVG.set.content
"( %SVG.Description.class; %SVG.set.extra.content; )*"
>
<!ELEMENT %SVG.set.qname; %SVG.set.content; >
<!-- end of SVG.set.element -->]]>

<!ENTITY % SVG.set.attlist "INCLUDE" >
<![%SVG.set.attlist;[
<!ATTLIST %SVG.set.qname;

```

```

%SVG.Core.attrib;
%SVG.Conditional.attrib;
%SVG.AnimationEvents.attrib;
%SVG.External.attrib;
%SVG.Animation.attrib;
%SVG.AnimationAttribute.attrib;
%SVG.AnimationTiming.attrib;
to CDATA #IMPLIED
>
<!-- end of SVG.set.attlist -->]]>

<!-- animateMotion: Animate Motion Element ..... -->

<!ENTITY % SVG.animateMotion.extra.content "" >

<!ENTITY % SVG.animateMotion.element "INCLUDE" >
<![%SVG.animateMotion.element;[
<!ENTITY % SVG.animateMotion.content
  "( (%SVG.Description.class; )*, %SVG.mpath.qname;?
    %SVG.animateMotion.extra.content; )"
>
<!ELEMENT %SVG.animateMotion.qname; %SVG.animateMotion.content; >
<!-- end of SVG.animateMotion.element -->]]>

<!ENTITY % SVG.animateMotion.attlist "INCLUDE" >
<![%SVG.animateMotion.attlist;[
<!ATTLIST %SVG.animateMotion.qname;
  %SVG.Core.attrib;
  %SVG.Conditional.attrib;
  %SVG.AnimationEvents.attrib;
  %SVG.External.attrib;
  %SVG.Animation.attrib;
  %SVG.AnimationTiming.attrib;
  %SVG.AnimationAddtion.attrib;
  calcMode ( discrete | linear | paced | spline ) 'paced'
  values CDATA #IMPLIED
  keyTimes CDATA #IMPLIED
  keySplines CDATA #IMPLIED
  from CDATA #IMPLIED
  to CDATA #IMPLIED
  by CDATA #IMPLIED
  path CDATA #IMPLIED
  keyPoints CDATA #IMPLIED
  rotate CDATA #IMPLIED
  origin CDATA #IMPLIED
>
<!-- end of SVG.animateMotion.attlist -->]]>

```

```

<!-- animateColor: Animate Color Element ..... -->

<!ENTITY % SVG.animateColor.extra.content "" >

<!ENTITY % SVG.animateColor.element "INCLUDE" >
<![%SVG.animateColor.element;[
<!ENTITY % SVG.animateColor.content
    "( %SVG.Description.class; %SVG.animateColor.extra.content; )*"
>
<!ELEMENT %SVG.animateColor.qname; %SVG.animateColor.content; >
<!-- end of SVG.animateColor.element -->]]>

<!ENTITY % SVG.animateColor.attlist "INCLUDE" >
<![%SVG.animateColor.attlist;[
<!ATTLIST %SVG.animateColor.qname;
    %SVG.Core.attrib;
    %SVG.Conditional.attrib;
    %SVG.AnimationEvents.attrib;
    %SVG.External.attrib;
    %SVG.Animation.attrib;
    %SVG.AnimationAttribute.attrib;
    %SVG.AnimationTiming.attrib;
    %SVG.AnimationValue.attrib;
    %SVG.AnimationAddtion.attrib;
>
<!-- end of SVG.animateColor.attlist -->]]>

<!-- animateTransform: Animate Transform Element ..... -->

<!ENTITY % SVG.animateTransform.extra.content "" >

<!ENTITY % SVG.animateTransform.element "INCLUDE" >
<![%SVG.animateTransform.element;[
<!ENTITY % SVG.animateTransform.content
    "( %SVG.Description.class; %SVG.animateTransform.extra.content; )*"
>
<!ELEMENT %SVG.animateTransform.qname; %SVG.animateTransform.content; >
<!-- end of SVG.animateTransform.element -->]]>

<!ENTITY % SVG.animateTransform.attlist "INCLUDE" >
<![%SVG.animateTransform.attlist;[
<!ATTLIST %SVG.animateTransform.qname;
    %SVG.Core.attrib;
    %SVG.Conditional.attrib;
    %SVG.AnimationEvents.attrib;
    %SVG.External.attrib;
    %SVG.Animation.attrib;
    %SVG.AnimationAttribute.attrib;

```

```

    %SVG.AnimationTiming.attrib;
    %SVG.AnimationValue.attrib;
    %SVG.AnimationAddtion.attrib;
    type ( translate | scale | rotate | skewX | skewY ) 'translate'
>
<!-- end of SVG.animateTransform.attlist -->]]>

<!-- mpath: Motion Path Element ..... -->

<!ENTITY % SVG.mpath.extra.content "" >

<!ENTITY % SVG.mpath.element "INCLUDE" >
<![%SVG.mpath.element;[
<!ENTITY % SVG.mpath.content
    "( %SVG.Description.class; %SVG.mpath.extra.content; )"
>
<!ELEMENT %SVG.mpath.qname; %SVG.mpath.content; >
<!-- end of SVG.mpath.element -->]]>

<!ENTITY % SVG.mpath.attlist "INCLUDE" >
<![%SVG.mpath.attlist;[
<!ATTLIST %SVG.mpath.qname;
    %SVG.Core.attrib;
    %SVG.XLinkRequired.attrib;
    %SVG.External.attrib;
>
<!-- end of SVG.mpath.attlist -->]]>

<!-- end of svg-animation.mod -->

```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-animation.mod
```

No license file was found, but licenses were detected in source scan.

<!--

File isogr3.ent produced by the XSL script entities.xsl
from input data in unicode.xml.

Copyright 1998 - 2009 W3C.

Use and distribution of this code are permitted under the terms of the
W3C Software Notice and License.

<http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231.html>

Please report any errors to David Carlisle
via the public W3C list www-math@w3.org.

The numeric character values assigned to each entity
(should) match the Unicode assignments in Unicode 5.x.

Entity names in this file are derived from files carrying the
following notice:

(C) International Organization for Standardization 1991
Permission to copy in any form is granted for use with
conforming SGML systems and applications as defined in
ISO 8879, provided this notice is included in all copies.

-->

<!--

Public identifier: -//W3C//ENTITIES Greek Symbols//EN//XML
System identifier: <http://www.w3.org/2003/entities/2007/isogr3.ent>

The public identifier should always be used verbatim.
The system identifier may be changed to suit local requirements.

Typical invocation:

```
<!ENTITY % isogr3 PUBLIC
  "-//W3C//ENTITIES Greek Symbols//EN//XML"
  "http://www.w3.org/2003/entities/2007/isogr3.ent"
>
%isogr3;
```

-->

```
<!ENTITY alpha      "&#x003B1;" ><!--GREEK SMALL LETTER ALPHA -->
<!ENTITY beta       "&#x003B2;" ><!--GREEK SMALL LETTER BETA -->
<!ENTITY chi        "&#x003C7;" ><!--GREEK SMALL LETTER CHI -->
<!ENTITY delta      "&#x003B4;" ><!--GREEK SMALL LETTER DELTA -->
<!ENTITY Delta      "&#x00394;" ><!--GREEK CAPITAL LETTER DELTA -->
<!ENTITY epsi       "&#x003B5;" ><!--GREEK SMALL LETTER EPSILON -->
<!ENTITY epsiv      "&#x003F5;" ><!--GREEK LUNATE EPSILON SYMBOL -->
<!ENTITY eta        "&#x003B7;" ><!--GREEK SMALL LETTER ETA -->
<!ENTITY gamma      "&#x003B3;" ><!--GREEK SMALL LETTER GAMMA -->
<!ENTITY Gamma      "&#x00393;" ><!--GREEK CAPITAL LETTER GAMMA -->
<!ENTITY gammad     "&#x003DD;" ><!--GREEK SMALL LETTER DIGAMMA -->
<!ENTITY Gammad     "&#x003DC;" ><!--GREEK LETTER DIGAMMA -->
<!ENTITY iota       "&#x003B9;" ><!--GREEK SMALL LETTER IOTA -->
<!ENTITY kappa      "&#x003BA;" ><!--GREEK SMALL LETTER KAPPA -->
<!ENTITY kappav     "&#x003F0;" ><!--GREEK KAPPA SYMBOL -->
<!ENTITY lambda     "&#x003BB;" ><!--GREEK SMALL LETTER LAMDA -->
```

<!ENTITY Lambda	"Λ" ><!--GREEK CAPITAL LETTER LAMDA -->
<!ENTITY mu	"μ" ><!--GREEK SMALL LETTER MU -->
<!ENTITY nu	"ν" ><!--GREEK SMALL LETTER NU -->
<!ENTITY omega	"ω" ><!--GREEK SMALL LETTER OMEGA -->
<!ENTITY Omega	"Ω" ><!--GREEK CAPITAL LETTER OMEGA -->
<!ENTITY phi	"φ" ><!--GREEK SMALL LETTER PHI -->
<!ENTITY Phi	"Φ" ><!--GREEK CAPITAL LETTER PHI -->
<!ENTITY phiv	"ϕ" ><!--GREEK PHI SYMBOL -->
<!ENTITY pi	"π" ><!--GREEK SMALL LETTER PI -->
<!ENTITY Pi	"Π" ><!--GREEK CAPITAL LETTER PI -->
<!ENTITY piv	"ϖ" ><!--GREEK PI SYMBOL -->
<!ENTITY psi	"ψ" ><!--GREEK SMALL LETTER PSI -->
<!ENTITY Psi	"Ψ" ><!--GREEK CAPITAL LETTER PSI -->
<!ENTITY rho	"ρ" ><!--GREEK SMALL LETTER RHO -->
<!ENTITY rhov	"ϱ" ><!--GREEK RHO SYMBOL -->
<!ENTITY sigma	"σ" ><!--GREEK SMALL LETTER SIGMA -->
<!ENTITY Sigma	"Σ" ><!--GREEK CAPITAL LETTER SIGMA -->
<!ENTITY sigmav	"ς" ><!--GREEK SMALL LETTER FINAL SIGMA -->
<!ENTITY tau	"τ" ><!--GREEK SMALL LETTER TAU -->
<!ENTITY theta	"θ" ><!--GREEK SMALL LETTER THETA -->
<!ENTITY Theta	"Θ" ><!--GREEK CAPITAL LETTER THETA -->
<!ENTITY thetav	"ϑ" ><!--GREEK THETA SYMBOL -->
<!ENTITY upsi	"υ" ><!--GREEK SMALL LETTER UPSILON -->
<!ENTITY Upsi	"ϒ" ><!--GREEK UPSILON WITH HOOK SYMBOL -->
<!ENTITY xi	"ξ" ><!--GREEK SMALL LETTER XI -->
<!ENTITY Xi	"Ξ" ><!--GREEK CAPITAL LETTER XI -->
<!ENTITY zeta	"ζ" ><!--GREEK SMALL LETTER ZETA -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/mathml/mathml3/isogr3.ent

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- SVG 1.1 Font Module ..... -->
<!-- file: svg-font.mod
```

This is SVG, a language for describing two-dimensional graphics in XML.
 Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
 Revision: \$Id: svg-font.mod,v 1.4 2002/11/14 15:11:02 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS SVG 1.1 Font//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-font.mod"
```

```
..... -->
```

<!-- Font

font, font-face, glyph, missing-glyph, hkern, vkern, font-face-src,
font-face-uri, font-face-format, font-face-name, definition-src

This module declares markup to provide support for template.

-->

<!-- Qualified Names (Default) -->

<!ENTITY % SVG.font.qname "font" >
<!ENTITY % SVG.font-face.qname "font-face" >
<!ENTITY % SVG.glyph.qname "glyph" >
<!ENTITY % SVG.missing-glyph.qname "missing-glyph" >
<!ENTITY % SVG.hkern.qname "hkern" >
<!ENTITY % SVG.vkern.qname "vkern" >
<!ENTITY % SVG.font-face-src.qname "font-face-src" >
<!ENTITY % SVG.font-face-uri.qname "font-face-uri" >
<!ENTITY % SVG.font-face-format.qname "font-face-format" >
<!ENTITY % SVG.font-face-name.qname "font-face-name" >
<!ENTITY % SVG.definition-src.qname "definition-src" >

<!-- Attribute Collections (Default) -->

<!ENTITY % SVG.Core.attrib "" >
<!ENTITY % SVG.Container.attrib "" >
<!ENTITY % SVG.Style.attrib "" >
<!ENTITY % SVG.Viewport.attrib "" >
<!ENTITY % SVG.Text.attrib "" >
<!ENTITY % SVG.TextContent.attrib "" >
<!ENTITY % SVG.Font.attrib "" >
<!ENTITY % SVG.Paint.attrib "" >
<!ENTITY % SVG.Color.attrib "" >
<!ENTITY % SVG.Opacity.attrib "" >
<!ENTITY % SVG.Graphics.attrib "" >
<!ENTITY % SVG.Marker.attrib "" >
<!ENTITY % SVG.ColorProfile.attrib "" >
<!ENTITY % SVG.Gradient.attrib "" >
<!ENTITY % SVG.Clip.attrib "" >
<!ENTITY % SVG.Mask.attrib "" >
<!ENTITY % SVG.Filter.attrib "" >
<!ENTITY % SVG.FilterColor.attrib "" >
<!ENTITY % SVG.Cursor.attrib "" >
<!ENTITY % SVG.XLinkRequired.attrib "" >
<!ENTITY % SVG.External.attrib "" >

<!-- SVG.Font.class -->

```

<!ENTITY % SVG.Font.extra.class "" >

<!ENTITY % SVG.Font.class
  "| %SVG.font.qname; | %SVG.font-face.qname; %SVG.Font.extra.class;"
>

<!-- SVG.Presentation.attrib ..... -->

<!ENTITY % SVG.Presentation.extra.attrib "" >

<!ENTITY % SVG.Presentation.attrib
  "%SVG.Container.attrib;
  %SVG.Viewport.attrib;
  %SVG.Text.attrib;
  %SVG.TextContent.attrib;
  %SVG.Font.attrib;
  %SVG.Paint.attrib;
  %SVG.Color.attrib;
  %SVG.Opacity.attrib;
  %SVG.Graphics.attrib;
  %SVG.Marker.attrib;
  %SVG.ColorProfile.attrib;
  %SVG.Gradient.attrib;
  %SVG.Clip.attrib;
  %SVG.Mask.attrib;
  %SVG.Filter.attrib;
  %SVG.FilterColor.attrib;
  %SVG.Cursor.attrib;
  flood-color %SVGColor.datatype; #IMPLIED
  flood-opacity %OpacityValue.datatype; #IMPLIED
  lighting-color %SVGColor.datatype; #IMPLIED
  %SVG.Presentation.extra.attrib;"
>

<!-- font: Font Element ..... -->

<!ENTITY % SVG.font.extra.content "" >

<!ENTITY % SVG.font.element "INCLUDE" >
<![%SVG.font.element;[
<!ENTITY % SVG.font.content
  "(( %SVG.Description.class; )*, %SVG.font-face.qname;,
  %SVG.missing-glyph.qname;, ( %SVG.glyph.qname; | %SVG.hkern.qname;
  | %SVG.vkern.qname; %SVG.font.extra.content; )*)"
>
<!ELEMENT %SVG.font.qname; %SVG.font.content; >
<!-- end of SVG.font.element -->]]>

```

```

<!ENTITY % SVG.font.attlist "INCLUDE" >
<![%SVG.font.attlist;[
<!ATTLIST %SVG.font.qname;
  %SVG.Core.attrib;
  %SVG.Style.attrib;
  %SVG.Presentation.attrib;
  %SVG.External.attrib;
  horiz-origin-x %Number.datatype; #IMPLIED
  horiz-origin-y %Number.datatype; #IMPLIED
  horiz-adv-x %Number.datatype; #REQUIRED
  vert-origin-x %Number.datatype; #IMPLIED
  vert-origin-y %Number.datatype; #IMPLIED
  vert-adv-y %Number.datatype; #IMPLIED
>
<!-- end of SVG.font.attlist -->]]>

<!-- font-face: Font Face Element ..... -->

<!ENTITY % SVG.font-face.extra.content "" >

<!ENTITY % SVG.font-face.element "INCLUDE" >
<![%SVG.font-face.element;[
<!ENTITY % SVG.font-face.content
  "(( %SVG.Description.class; )*, %SVG.font-face-src.qname;?,
   %SVG.definition-src.qname;? %SVG.font-face.extra.content; )"
>
<!ELEMENT %SVG.font-face.qname; %SVG.font-face.content; >
<!-- end of SVG.font-face.element -->]]>

<!ENTITY % SVG.font-face.attlist "INCLUDE" >
<![%SVG.font-face.attlist;[
<!ATTLIST %SVG.font-face.qname;
  %SVG.Core.attrib;
  font-family CDATA #IMPLIED
  font-style CDATA #IMPLIED
  font-variant CDATA #IMPLIED
  font-weight CDATA #IMPLIED
  font-stretch CDATA #IMPLIED
  font-size CDATA #IMPLIED
  unicode-range CDATA #IMPLIED
  units-per-em %Number.datatype; #IMPLIED
  panose-1 CDATA #IMPLIED
  stemv %Number.datatype; #IMPLIED
  stemh %Number.datatype; #IMPLIED
  slope %Number.datatype; #IMPLIED
  cap-height %Number.datatype; #IMPLIED
  x-height %Number.datatype; #IMPLIED
  accent-height %Number.datatype; #IMPLIED

```

```

    ascent %Number.datatype; #IMPLIED
    descent %Number.datatype; #IMPLIED
    widths CDATA #IMPLIED
    bbox CDATA #IMPLIED
    ideographic %Number.datatype; #IMPLIED
    alphabetic %Number.datatype; #IMPLIED
    mathematical %Number.datatype; #IMPLIED
    hanging %Number.datatype; #IMPLIED
    v-ideographic %Number.datatype; #IMPLIED
    v-alphabetic %Number.datatype; #IMPLIED
    v-mathematical %Number.datatype; #IMPLIED
    v-hanging %Number.datatype; #IMPLIED
    underline-position %Number.datatype; #IMPLIED
    underline-thickness %Number.datatype; #IMPLIED
    strikethrough-position %Number.datatype; #IMPLIED
    strikethrough-thickness %Number.datatype; #IMPLIED
    overline-position %Number.datatype; #IMPLIED
    overline-thickness %Number.datatype; #IMPLIED
>
<!-- end of SVG.font-face.attlist -->]]>

<!-- glyph: Glyph Element ..... -->

<!ENTITY % SVG.glyph.extra.content "" >

<!ENTITY % SVG.glyph.element "INCLUDE" >
<![%SVG.glyph.element;[
<!ENTITY % SVG.glyph.content
    "( %SVG.Description.class; | %SVG.Animation.class; %SVG.Structure.class;
    %SVG.Conditional.class; %SVG.Image.class; %SVG.Style.class;
    %SVG.Shape.class; %SVG.Text.class; %SVG.Marker.class;
    %SVG.ColorProfile.class; %SVG.Gradient.class; %SVG.Pattern.class;
    %SVG.Clip.class; %SVG.Mask.class; %SVG.Filter.class; %SVG.Cursor.class;
    %SVG.Hyperlink.class; %SVG.View.class; %SVG.Script.class;
    %SVG.Font.class; %SVG.glyph.extra.content; )*"
>
<!ELEMENT %SVG.glyph.qname; %SVG.glyph.content; >
<!-- end of SVG.glyph.element -->]]>

<!ENTITY % SVG.glyph.attlist "INCLUDE" >
<![%SVG.glyph.attlist;[
<!ATTLIST %SVG.glyph.qname;
    %SVG.Core.attrib;
    %SVG.Style.attrib;
    %SVG.Presentation.attrib;
    unicode CDATA #IMPLIED
    glyph-name CDATA #IMPLIED
    d %PathData.datatype; #IMPLIED

```

```

orientation CDATA #IMPLIED
arabic-form CDATA #IMPLIED
lang %LanguageCodes.datatype; #IMPLIED
horiz-adv-x %Number.datatype; #IMPLIED
vert-origin-x %Number.datatype; #IMPLIED
vert-origin-y %Number.datatype; #IMPLIED
vert-adv-y %Number.datatype; #IMPLIED
>
<!-- end of SVG.glyph.attlist -->]]>

<!-- missing-glyph: Missing Glyph Element ..... -->

<!ENTITY % SVG.missing-glyph.extra.content "" >

<!ENTITY % SVG.missing-glyph.element "INCLUDE" >
<![%SVG.missing-glyph.element;[
<!ENTITY % SVG.missing-glyph.content
"(%SVG.Description.class; | %SVG.Animation.class; %SVG.Structure.class;
 %SVG.Conditional.class; %SVG.Image.class; %SVG.Style.class;
 %SVG.Shape.class; %SVG.Text.class; %SVG.Marker.class;
 %SVG.ColorProfile.class; %SVG.Gradient.class; %SVG.Pattern.class;
 %SVG.Clip.class; %SVG.Mask.class; %SVG.Filter.class; %SVG.Cursor.class;
 %SVG.Hyperlink.class; %SVG.View.class; %SVG.Script.class;
 %SVG.Font.class; %SVG.missing-glyph.extra.content; )*"
>
<!ELEMENT %SVG.missing-glyph.qname; %SVG.missing-glyph.content; >
<!-- end of SVG.missing-glyph.element -->]]>

<!ENTITY % SVG.missing-glyph.attlist "INCLUDE" >
<![%SVG.missing-glyph.attlist;[
<!ATTLIST %SVG.missing-glyph.qname;
 %SVG.Core.attrib;
 %SVG.Style.attrib;
 %SVG.Presentation.attrib;
 d %PathData.datatype; #IMPLIED
 horiz-adv-x %Number.datatype; #IMPLIED
 vert-origin-x %Number.datatype; #IMPLIED
 vert-origin-y %Number.datatype; #IMPLIED
 vert-adv-y %Number.datatype; #IMPLIED
>
<!-- end of SVG.missing-glyph.attlist -->]]>

<!-- hkern: Horizontal Kerning Element ..... -->

<!ENTITY % SVG.hkern.element "INCLUDE" >
<![%SVG.hkern.element;[
<!ENTITY % SVG.hkern.content "EMPTY" >
<!ELEMENT %SVG.hkern.qname; %SVG.hkern.content; >

```

```

<!-- end of SVG.hkern.element -->]]>

<!ENTITY % SVG.hkern.attlist "INCLUDE" >
<![%SVG.hkern.attlist;[
<!ATTLIST %SVG.hkern.qname;
  %SVG.Core.attrib;
  u1 CDATA #IMPLIED
  g1 CDATA #IMPLIED
  u2 CDATA #IMPLIED
  g2 CDATA #IMPLIED
  k %Number.datatype; #REQUIRED
>
<!-- end of SVG.hkern.attlist -->]]>

<!-- vkern: Vertical Kerning Element ..... -->

<!ENTITY % SVG.vkern.element "INCLUDE" >
<![%SVG.vkern.element;[
<!ENTITY % SVG.vkern.content "EMPTY" >
<!ELEMENT %SVG.vkern.qname; %SVG.vkern.content; >
<!-- end of SVG.vkern.element -->]]>

<!ENTITY % SVG.vkern.attlist "INCLUDE" >
<![%SVG.vkern.attlist;[
<!ATTLIST %SVG.vkern.qname;
  %SVG.Core.attrib;
  u1 CDATA #IMPLIED
  g1 CDATA #IMPLIED
  u2 CDATA #IMPLIED
  g2 CDATA #IMPLIED
  k %Number.datatype; #REQUIRED
>
<!-- end of SVG.vkern.attlist -->]]>

<!-- font-face-src: Font Face Source Element ..... -->

<!ENTITY % SVG.font-face-src.extra.content "" >

<!ENTITY % SVG.font-face-src.element "INCLUDE" >
<![%SVG.font-face-src.element;[
<!ENTITY % SVG.font-face-src.content
  "( %SVG.font-face-uri.qname; | %SVG.font-face-name.qname;
  %SVG.font-face-src.extra.content; )+"
>
<!ELEMENT %SVG.font-face-src.qname; %SVG.font-face-src.content; >
<!-- end of SVG.font-face-src.element -->]]>

<!ENTITY % SVG.font-face-src.attlist "INCLUDE" >

```



```

<![%SVG.font-face-src.attlist;[
<!ATTLIST %SVG.font-face-src.qname;
  %SVG.Core.attrib;
>
<!-- end of SVG.font-face-src.attlist -->]]>

<!-- font-face-uri: Font Face URI Element ..... -->

<!ENTITY % SVG.font-face-uri.extra.content "" >

<!ENTITY % SVG.font-face-uri.element "INCLUDE" >
<![%SVG.font-face-uri.element;[
<!ENTITY % SVG.font-face-uri.content
  "( %SVG.font-face-format.qname; %SVG.font-face-uri.extra.content; )*"
>
<!ELEMENT %SVG.font-face-uri.qname; %SVG.font-face-uri.content; >
<!-- end of SVG.font-face-uri.element -->]]>

<!ENTITY % SVG.font-face-uri.attlist "INCLUDE" >
<![%SVG.font-face-uri.attlist;[
<!ATTLIST %SVG.font-face-uri.qname;
  %SVG.Core.attrib;
  %SVG.XLinkRequired.attrib;
>
<!-- end of SVG.font-face-uri.attlist -->]]>

<!-- font-face-format: Font Face Format Element ..... -->

<!ENTITY % SVG.font-face-format.element "INCLUDE" >
<![%SVG.font-face-format.element;[
<!ENTITY % SVG.font-face-format.content "EMPTY" >
<!ELEMENT %SVG.font-face-format.qname; %SVG.font-face-format.content; >
<!-- end of SVG.font-face-format.element -->]]>

<!ENTITY % SVG.font-face-format.attlist "INCLUDE" >
<![%SVG.font-face-format.attlist;[
<!ATTLIST %SVG.font-face-format.qname;
  %SVG.Core.attrib;
  string CDATA #IMPLIED
>
<!-- end of SVG.font-face-format.attlist -->]]>

<!-- font-face-name: Font Face Name Element ..... -->

<!ENTITY % SVG.font-face-name.element "INCLUDE" >
<![%SVG.font-face-name.element;[
<!ENTITY % SVG.font-face-name.content "EMPTY" >
<!ELEMENT %SVG.font-face-name.qname; %SVG.font-face-name.content; >

```

```
<!-- end of SVG.font-face-name.element -->]]>
```

```
<!ENTITY % SVG.font-face-name.attlist "INCLUDE" >  
<![%SVG.font-face-name.attlist;  
<!ATTLIST %SVG.font-face-name.qname;  
  %SVG.Core.attrib;  
  name CDATA #IMPLIED  
>  
<!-- end of SVG.font-face-name.attlist -->]]>
```

```
<!-- definition-src: Definition Source Element ..... -->
```

```
<!ENTITY % SVG.definition-src.element "INCLUDE" >  
<![%SVG.definition-src.element;  
<!ENTITY % SVG.definition-src.content "EMPTY" >  
<!ELEMENT %SVG.definition-src.qname; %SVG.definition-src.content; >  
<!-- end of SVG.definition-src.element -->]]>
```

```
<!ENTITY % SVG.definition-src.attlist "INCLUDE" >  
<![%SVG.definition-src.attlist;  
<!ATTLIST %SVG.definition-src.qname;  
  %SVG.Core.attrib;  
  %SVG.XLinkRequired.attrib;  
>  
<!-- end of SVG.definition-src.attlist -->]]>
```

```
<!-- end of svg-font.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-  
jar/net/sf/saxon/data/w3c/svg11/svg-font.mod
```

No license file was found, but licenses were detected in source scan.

```
<!--
```

File isolat1.ent produced by the XSL script entities.xsl
from input data in unicode.xml.

Copyright 1998 - 2009 W3C.

Use and distribution of this code are permitted under the terms of the
W3C Software Notice and License.

<http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231.html>

Please report any errors to David Carlisle
via the public W3C list www-math@w3.org.

The numeric character values assigned to each entity
(should) match the Unicode assignments in Unicode 5.x.

Entity names in this file are derived from files carrying the following notice:

(C) International Organization for Standardization 1986
Permission to copy in any form is granted for use with conforming SGML systems and applications as defined in ISO 8879, provided this notice is included in all copies.

-->

<!--

Public identifier: -//W3C//ENTITIES Added Latin 1//EN//XML
System identifier: <http://www.w3.org/2003/entities/2007/isolat1.ent>

The public identifier should always be used verbatim.
The system identifier may be changed to suit local requirements.

Typical invocation:

```
<!ENTITY % isolat1 PUBLIC
  "-//W3C//ENTITIES Added Latin 1//EN//XML"
  "http://www.w3.org/2003/entities/2007/isolat1.ent"
>
%isolat1;
```

-->

<!ENTITY aacute	"á" ><!--LATIN SMALL LETTER A WITH ACUTE -->
<!ENTITY Aacute	"Á" ><!--LATIN CAPITAL LETTER A WITH ACUTE -->
<!ENTITY acirc	"â" ><!--LATIN SMALL LETTER A WITH CIRCUMFLEX -->
<!ENTITY Acirc	"Â" ><!--LATIN CAPITAL LETTER A WITH CIRCUMFLEX -->
<!ENTITY aelig	"æ" ><!--LATIN SMALL LETTER AE -->
<!ENTITY Aelig	"Æ" ><!--LATIN CAPITAL LETTER AE -->
<!ENTITY agrave	"à" ><!--LATIN SMALL LETTER A WITH GRAVE -->
<!ENTITY Agrave	"À" ><!--LATIN CAPITAL LETTER A WITH GRAVE -->
<!ENTITY aring	"å" ><!--LATIN SMALL LETTER A WITH RING ABOVE -->
<!ENTITY Aring	"Å" ><!--LATIN CAPITAL LETTER A WITH RING ABOVE -->
<!ENTITY atilde	"ã" ><!--LATIN SMALL LETTER A WITH TILDE -->
<!ENTITY Atilde	"Ã" ><!--LATIN CAPITAL LETTER A WITH TILDE -->
<!ENTITY auml	"ä" ><!--LATIN SMALL LETTER A WITH DIAERESIS -->
<!ENTITY Auml	"Ä" ><!--LATIN CAPITAL LETTER A WITH DIAERESIS -->
<!ENTITY ccedil	"ç" ><!--LATIN SMALL LETTER C WITH CEDILLA -->
<!ENTITY Ccedil	"Ç" ><!--LATIN CAPITAL LETTER C WITH CEDILLA -->
<!ENTITY eacute	"é" ><!--LATIN SMALL LETTER E WITH ACUTE -->
<!ENTITY Eacute	"É" ><!--LATIN CAPITAL LETTER E WITH ACUTE -->

<!ENTITY ecirc	"ê" ><!--LATIN SMALL LETTER E WITH CIRCUMFLEX -->
<!ENTITY Ecirc	"Ê" ><!--LATIN CAPITAL LETTER E WITH CIRCUMFLEX -->
<!ENTITY egrave	"è" ><!--LATIN SMALL LETTER E WITH GRAVE -->
<!ENTITY Egrave	"È" ><!--LATIN CAPITAL LETTER E WITH GRAVE -->
<!ENTITY eth	"ð" ><!--LATIN SMALL LETTER ETH -->
<!ENTITY ETH	"Ð" ><!--LATIN CAPITAL LETTER ETH -->
<!ENTITY euml	"ë" ><!--LATIN SMALL LETTER E WITH DIAERESIS -->
<!ENTITY Euml	"Ë" ><!--LATIN CAPITAL LETTER E WITH DIAERESIS -->
<!ENTITY iacute	"í" ><!--LATIN SMALL LETTER I WITH ACUTE -->
<!ENTITY Iacute	"Í" ><!--LATIN CAPITAL LETTER I WITH ACUTE -->
<!ENTITY icirc	"î" ><!--LATIN SMALL LETTER I WITH CIRCUMFLEX -->
<!ENTITY Icirc	"Î" ><!--LATIN CAPITAL LETTER I WITH CIRCUMFLEX -->
<!ENTITY igrave	"ì" ><!--LATIN SMALL LETTER I WITH GRAVE -->
<!ENTITY Igrave	"Ì" ><!--LATIN CAPITAL LETTER I WITH GRAVE -->
<!ENTITY iuml	"ï" ><!--LATIN SMALL LETTER I WITH DIAERESIS -->
<!ENTITY Iuml	"Ï" ><!--LATIN CAPITAL LETTER I WITH DIAERESIS -->
<!ENTITY ntilde	"ñ" ><!--LATIN SMALL LETTER N WITH TILDE -->
<!ENTITY Ntilde	"Ñ" ><!--LATIN CAPITAL LETTER N WITH TILDE -->
<!ENTITY oacute	"ó" ><!--LATIN SMALL LETTER O WITH ACUTE -->
<!ENTITY Oacute	"Ó" ><!--LATIN CAPITAL LETTER O WITH ACUTE -->
<!ENTITY ocirc	"ô" ><!--LATIN SMALL LETTER O WITH CIRCUMFLEX -->
<!ENTITY Ocirc	"Ô" ><!--LATIN CAPITAL LETTER O WITH CIRCUMFLEX -->
<!ENTITY ograve	"ò" ><!--LATIN SMALL LETTER O WITH GRAVE -->
<!ENTITY Ograve	"Ò" ><!--LATIN CAPITAL LETTER O WITH GRAVE -->
<!ENTITY oslash	"ø" ><!--LATIN SMALL LETTER O WITH STROKE -->
<!ENTITY Oslash	"Ø" ><!--LATIN CAPITAL LETTER O WITH STROKE -->
<!ENTITY otilde	"õ" ><!--LATIN SMALL LETTER O WITH TILDE -->
<!ENTITY Otilde	"Õ" ><!--LATIN CAPITAL LETTER O WITH TILDE -->
<!ENTITY ouml	"ö" ><!--LATIN SMALL LETTER O WITH DIAERESIS -->
<!ENTITY Ouml	"Ö" ><!--LATIN CAPITAL LETTER O WITH DIAERESIS -->
<!ENTITY szlig	"ß" ><!--LATIN SMALL LETTER SHARP S -->
<!ENTITY thorn	"þ" ><!--LATIN SMALL LETTER THORN -->
<!ENTITY THORN	"Þ" ><!--LATIN CAPITAL LETTER THORN -->
<!ENTITY uacute	"ú" ><!--LATIN SMALL LETTER U WITH ACUTE -->
<!ENTITY Uacute	"Ú" ><!--LATIN CAPITAL LETTER U WITH ACUTE -->
<!ENTITY ucirc	"û" ><!--LATIN SMALL LETTER U WITH CIRCUMFLEX -->
<!ENTITY Ucirc	"Û" ><!--LATIN CAPITAL LETTER U WITH CIRCUMFLEX -->
<!ENTITY ugrave	"ù" ><!--LATIN SMALL LETTER U WITH GRAVE -->
<!ENTITY Ugrave	"Ù" ><!--LATIN CAPITAL LETTER U WITH GRAVE -->
<!ENTITY uuml	"ü" ><!--LATIN SMALL LETTER U WITH DIAERESIS -->
<!ENTITY Uuml	"Ü" ><!--LATIN CAPITAL LETTER U WITH DIAERESIS -->
<!ENTITY yacute	"ý" ><!--LATIN SMALL LETTER Y WITH ACUTE -->
<!ENTITY Yacute	"Ý" ><!--LATIN CAPITAL LETTER Y WITH ACUTE -->
<!ENTITY yuml	"ÿ" ><!--LATIN SMALL LETTER Y WITH DIAERESIS -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/mathml/mathml3/isolat1.ent

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Inputmode Module ..... -->
<!-- file: xhtml-inputmode-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2007 W3C (MIT, ERCIM, Keio), All Rights Reserved.
Revision: \$Id: xhtml-inputmode-1.mod,v 1.2 2007/07/13 14:37:53 jigsaw Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Inputmode 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-inputmode-1.mod"
```

Revisions:

(none)

```
..... -->
```

```
<!-- Inputmode
```

```
    inputmode
```

This module declares the 'inputmode' attribute used for suggesting the input mode associated with an input or textarea element.

```
-->
```

```
<!-- render in this frame -->
```

```
<!ENTITY % Inputmode.datatype "CDATA" >
```

```
<!-- add 'inputmode' attribute to 'input' element -->
```

```
<!ATTLIST %input.qname;
```

```
    inputmode    %Inputmode.datatype; #IMPLIED
```

```
>
```

```
<!-- add 'inputmode' attribute to 'textarea' element -->
```

```
<!ATTLIST %textarea.qname;
```

```
    inputmode    %Inputmode.datatype; #IMPLIED
```

```
>
```

```
<!-- end of xhtml-inputmode-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-inputmode-1.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
```

<!-- XHTML Role Qname Module -->

<!-- file: xhtml-role-qname-1.mod

This is XHTML Role - the Role Attribute Module for XHTML.

Copyright 2006 W3C (MIT, ERCIM, Keio), All Rights Reserved.

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ENTITIES XHTML Role Attribute Qnames 1.0//EN"

SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-role-qname-1.mod"

Revisions:

(none)

..... -->

<!-- XHTML Role Attribute Qname (Qualified Name) Module

This module is contained in two parts, labeled Section 'A' and 'B':

Section A declares parameter entities to support namespace-qualified names, namespace declarations, and name prefixing for XHTML Role and extensions.

Section B declares parameter entities used to provide namespace-qualified names for the XHTML role attribute:

%role.qname; the xmlns-qualified name for @role

...

XHTML Role extensions would create a module similar to this one.

-->

<!-- Section A: XHTML Role Attribute XML Namespace Framework -->

<!-- 1. Declare a %XHTML-ROLE.prefixed; conditional section keyword, used to activate namespace prefixing. The default value should inherit '%NS.prefixed;' from the DTD driver, so that unless overridden, the default behavior follows the overall DTD prefixing scheme.

-->

<!ENTITY % NS.prefixed "IGNORE" >

<!ENTITY % XHTML-ROLE.prefixed "%NS.prefixed;" >

<!-- 2. Declare a parameter entity (eg., %XHTML-ROLE.xmlns;) containing the URI reference used to identify the XHTML Role Attribute namespace

-->

<!ENTITY % XHTML-ROLE.xmlns "http://www.w3.org/1999/xhtml" >

<!-- 3. Declare parameter entities (eg., %XML.prefix;) containing the default namespace prefix string(s) to use when prefixing is enabled. This may be overridden in the DTD driver or the internal subset of an document instance. If no default prefix is desired, this may be declared as an empty string.

NOTE: As specified in [XMLNAMES], the namespace prefix serves as a proxy for the URI reference, and is not in itself significant.

```
-->
<!ENTITY % XHTML-ROLE.prefix "" >
```

<!-- 4. Declare parameter entities (eg., %XHTML-ROLE.pfx;) containing the colonized prefix(es) (eg., '%XHTML-ROLE.prefix;:') used when prefixing is active, an empty string when it is not.

```
-->
<![%XHTML-ROLE.prefixed;[
<!ENTITY % XHTML-ROLE.pfx "%XHTML-ROLE.prefix;:" >
]]>
<!ENTITY % XHTML-ROLE.pfx "" >
```

<!-- declare qualified name extensions here -->

```
<!ENTITY % xhtml-role-qname-extra.mod "" >
%xhtml-role-qname-extra.mod;
```

<!-- 5. The parameter entity %XHTML-ROLE.xmlns.extra.attrib; may be redeclared to contain any non-XHTML Role Attribute namespace declaration attributes for namespaces embedded in XML. The default is an empty string. XLink should be included here if used in the DTD.

```
-->
<!ENTITY % XHTML-ROLE.xmlns.extra.attrib "" >
```

<!-- Section B: XML Qualified Names -->

<!-- 6. This section declares parameter entities used to provide namespace-qualified names for the XHTML role attribute.

```
-->
<!ENTITY % xhtml-role.role.qname "%XHTML-ROLE.pfx;role" >
```

<!-- The following defines a PE for use in the attribute sets of elements in other namespaces that want to incorporate the XML Event attributes. Note that in this case the XHTML-ROLE.pfx should always be defined. -->

```
<!ENTITY % xhtml-role.attrs.qname
```

"%XHTML-ROLE.pfx;role CDATA #IMPLIED"

>

<!-- end of xhtml-role-qname-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/xhtml11/xhtml-role-qname-1.mod

No license file was found, but licenses were detected in source scan.

<!-- -->

<!-- SVG 1.1 Mask Module -->

<!-- file: svg-mask.mod

This is SVG, a language for describing two-dimensional graphics in XML.

Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.

Revision: \$Id: svg-mask.mod,v 1.4 2002/11/14 15:11:03 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ELEMENTS SVG 1.1 Mask//EN"

SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-mask.mod"

..... -->

<!-- Mask

mask

This module declares markup to provide support for masking.

-->

<!-- 'mask' property/attribute value (e.g., 'none', <uri>) -->

<!ENTITY % MaskValue.datatype "CDATA" >

<!-- Qualified Names (Default) -->

<!ENTITY % SVG.mask.qname "mask" >

<!-- Attribute Collections (Default) -->

<!ENTITY % SVG.Core.attrib "" >

<!ENTITY % SVG.Container.attrib "" >

<!ENTITY % SVG.Conditional.attrib "" >

<!ENTITY % SVG.Style.attrib "" >

<!ENTITY % SVG.Viewport.attrib "" >

<!ENTITY % SVG.Text.attrib "" >

<!ENTITY % SVG.TextContent.attrib "" >


```

<!ENTITY % SVG.Font.attrib "" >
<!ENTITY % SVG.Paint.attrib "" >
<!ENTITY % SVG.Color.attrib "" >
<!ENTITY % SVG.Opacity.attrib "" >
<!ENTITY % SVG.Graphics.attrib "" >
<!ENTITY % SVG.Marker.attrib "" >
<!ENTITY % SVG.ColorProfile.attrib "" >
<!ENTITY % SVG.Gradient.attrib "" >
<!ENTITY % SVG.Clip.attrib "" >
<!ENTITY % SVG.Filter.attrib "" >
<!ENTITY % SVG.FilterColor.attrib "" >
<!ENTITY % SVG.Cursor.attrib "" >
<!ENTITY % SVG.External.attrib "" >

<!-- SVG.Mask.class ..... -->

<!ENTITY % SVG.Mask.extra.class "" >

<!ENTITY % SVG.Mask.class
  "| %SVG.mask.qname; %SVG.Mask.extra.class;"
>

<!-- SVG.Mask.attrib ..... -->

<!ENTITY % SVG.Mask.extra.attrib "" >

<!ENTITY % SVG.Mask.attrib
  "mask %MaskValue.datatype; #IMPLIED
  %SVG.Mask.extra.attrib;"
>

<!-- SVG.Presentation.attrib ..... -->

<!ENTITY % SVG.Presentation.extra.attrib "" >

<!ENTITY % SVG.Presentation.attrib
  "%SVG.Container.attrib;
  %SVG.Viewport.attrib;
  %SVG.Text.attrib;
  %SVG.TextContent.attrib;
  %SVG.Font.attrib;
  %SVG.Paint.attrib;
  %SVG.Color.attrib;
  %SVG.Opacity.attrib;
  %SVG.Graphics.attrib;
  %SVG.Marker.attrib;
  %SVG.ColorProfile.attrib;
  %SVG.Gradient.attrib;

```

```

%SVG.Clip.attrib;
%SVG.Mask.attrib;
%SVG.Filter.attrib;
%SVG.FilterColor.attrib;
%SVG.Cursor.attrib;
flood-color %SVGColor.datatype; #IMPLIED
flood-opacity %OpacityValue.datatype; #IMPLIED
lighting-color %SVGColor.datatype; #IMPLIED
%SVG.Presentation.extra.attrib;"
>

<!-- mask: Mask Element ..... -->

<!ENTITY % SVG.mask.extra.content "" >

<!ENTITY % SVG.mask.element "INCLUDE" >
<![%SVG.mask.element;[
<!ENTITY % SVG.mask.content
"( %SVG.Description.class; | %SVG.Animation.class; %SVG.Structure.class;
  %SVG.Conditional.class; %SVG.Image.class; %SVG.Style.class;
  %SVG.Shape.class; %SVG.Text.class; %SVG.Marker.class;
  %SVG.ColorProfile.class; %SVG.Gradient.class; %SVG.Pattern.class;
  %SVG.Clip.class; %SVG.Mask.class; %SVG.Filter.class; %SVG.Cursor.class;
  %SVG.Hyperlink.class; %SVG.View.class; %SVG.Script.class;
  %SVG.Font.class; %SVG.mask.extra.content; )*"
>
<!ELEMENT %SVG.mask.qname; %SVG.mask.content; >
<!-- end of SVG.mask.element -->]]>

<!ENTITY % SVG.mask.attlist "INCLUDE" >
<![%SVG.mask.attlist;[
<!ATTLIST %SVG.mask.qname;
  %SVG.Core.attrib;
  %SVG.Conditional.attrib;
  %SVG.Style.attrib;
  %SVG.Presentation.attrib;
  %SVG.External.attrib;
  x %Coordinate.datatype; #IMPLIED
  y %Coordinate.datatype; #IMPLIED
  width %Length.datatype; #IMPLIED
  height %Length.datatype; #IMPLIED
  maskUnits ( userSpaceOnUse | objectBoundingBox ) #IMPLIED
  maskContentUnits ( userSpaceOnUse | objectBoundingBox ) #IMPLIED
>
<!-- end of SVG.mask.attlist -->]]>

<!-- end of svg-mask.mod -->

```

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/svg11/svg-mask.mod

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Java Applet Module ..... -->
<!-- file: xhtml-applet-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
Revision: \$Id: xhtml-applet-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Java Applets 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-applet-1.mod"
```

Revisions:

```
#2001-02-20: added PCDATA to content model of applet
..... -->
```

```
<!-- Java Applets
```

```
    applet
```

This module declares the applet element type and its attributes, used to provide support for Java applets. The 'alt' attribute is now required (as it is on images). One of either code or object attributes must be present. In the document, place param elements before other content within the <applet> element.

Note that use of this module requires instantiation of the Param Element Module.

```
-->
```

```
<!-- applet: Java Applet ..... -->
```

```
<!ENTITY % applet.element "INCLUDE" >
<![%applet.element;[
<!ENTITY % applet.content
    "( #PCDATA | %param.qname; | %Flow.mix; )*"
>
<!ENTITY % applet.qname "applet" >
<!ELEMENT %applet.qname; %applet.content; >
<!-- end of applet.element -->]]>
```

```
<!ENTITY % applet.attlist "INCLUDE" >
```

```
<![%applet.attlist;[
<!ATTLIST %applet.qname;
  %Core.attrib;
  alt      %Text.datatype;      #REQUIRED
  archive  CDATA                #IMPLIED
  code     CDATA                #IMPLIED
  codebase %URI.datatype;      #IMPLIED
  object   CDATA                #IMPLIED
  width    %Length.datatype;    #REQUIRED
  height   %Length.datatype;    #REQUIRED
>
<!-- end of applet.attlist -->]]>
```

```
<!-- end of xhtml-applet-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-applet-1.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Access QName Module ..... -->
<!-- file: xhtml-access-qname-1.mod
```

This is XHTML Access - the Access Attribute Module for XHTML.

Copyright 2007-2008 W3C (MIT, ERCIM, Keio), All Rights Reserved.

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES XHTML Access Attribute Qnames 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-access-qname-1.mod"
```

Revisions:

(none)

```
..... -->
```

```
<!-- XHTML Access Attribute QName (Qualified Name) Module
```

This module is contained in two parts, labeled Section 'A' and 'B':

Section A declares parameter entities to support namespace-qualified names, namespace declarations, and name prefixing for XHTML Access and extensions.

Section B declares parameter entities used to provide namespace-qualified names for the XHTML access element:

%XHTML-ACCESS.access.qname; the xmlns-qualified name for access

...

XHTML Access extensions would create a module similar to this one.

-->

<!-- Section A: XHTML Access Attribute XML Namespace Framework ::::::::::::::: -->

<!-- 1. Declare a %XHTML-ACCESS.prefixed; conditional section keyword, used to activate namespace prefixing. The default value should inherit '%NS.prefixed;' from the DTD driver, so that unless overridden, the default behavior follows the overall DTD prefixing scheme.

-->

<!ENTITY % NS.prefixed "IGNORE" >

<!ENTITY % XHTML-ACCESS.prefixed "%NS.prefixed;" >

<!-- 2. Declare a parameter entity (eg., %XHTML-ACCESS.xmlns;) containing the URI reference used to identify the XHTML Access Attribute namespace

-->

<!ENTITY % XHTML-ACCESS.xmlns "http://www.w3.org/1999/xhtml" >

<!-- 3. Declare parameter entities (eg., %XML.prefix;) containing the default namespace prefix string(s) to use when prefixing is enabled. This may be overridden in the DTD driver or the internal subset of an document instance. If no default prefix is desired, this may be declared as an empty string.

NOTE: As specified in [XMLNAMES], the namespace prefix serves as a proxy for the URI reference, and is not in itself significant.

-->

<!ENTITY % XHTML-ACCESS.prefix "" >

<!-- 4. Declare parameter entities (eg., %XHTML-ACCESS.pfx;) containing the colonized prefix(es) (eg., '%XHTML-ACCESS.prefix;:') used when prefixing is active, an empty string when it is not.

-->

<![%XHTML-ACCESS.prefixed;[

<!ENTITY % XHTML-ACCESS.pfx "%XHTML-ACCESS.prefix;:" >

]]>

<!ENTITY % XHTML-ACCESS.pfx "" >

<!-- declare qualified name extensions here -->

<!ENTITY % xhtml-access-qname-extra.mod "" >

%xhtml-access-qname-extra.mod;

<!-- 5. The parameter entity %XHTML-ACCESS.xmlns.extra.attrib; may be redeclared to contain any non-XHTML Access namespace

declaration attributes for namespaces embedded in XML. The default is an empty string. XLink should be included here if used in the DTD.

-->

<!ENTITY % XHTML-ACCESS.xmlns.extra.attrib "" >

<!-- Section B: XML Qualified Names -->

<!-- 6. This section declares parameter entities used to provide namespace-qualified names for the XHTML Access element.

-->

<!ENTITY % XHTML-ACCESS.access.qname "%XHTML-ACCESS.pfx;access" >

<!-- end of xhtml-access-qname-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/xhtml11/xhtml-access-qname-1.mod

No license file was found, but licenses were detected in source scan.

<!-- -->

<!-- SVG 1.1 Animation Events Attribute Module -->

<!-- file: svg-animevents-attrib.mod

This is SVG, a language for describing two-dimensional graphics in XML.

Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.

Revision: \$Id: svg-animevents-attrib.mod,v 1.3 2002/04/28 13:50:23 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ENTITIES SVG 1.1 Animation Events Attribute//EN"

SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-animevents-attrib.mod"

..... -->

<!-- Animation Events Attribute

onbegin, onend, onrepeat, onload

This module defines the AnimationEvents attribute set.

-->

<!ENTITY % SVG.onbegin.attrib

"onbegin %Script.datatype; #IMPLIED"

>

```

<!ENTITY % SVG.onend.attrib
  "onend %Script.datatype; #IMPLIED"
>

<!ENTITY % SVG.onrepeat.attrib
  "onrepeat %Script.datatype; #IMPLIED"
>

<!ENTITY % SVG.onload.attrib
  "onload %Script.datatype; #IMPLIED"
>

<!ENTITY % SVG.AnimationEvents.extra.attrib "" >

<!ENTITY % SVG.AnimationEvents.attrib
  "%SVG.onbegin.attrib;
  %SVG.onend.attrib;
  %SVG.onrepeat.attrib;
  %SVG.onload.attrib;
  %SVG.AnimationEvents.extra.attrib;"
>

<!-- end of svg-animevents-attrib.mod -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-animevents-attrib.mod

```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- XHTML Param Element Module ..... -->
<!-- file: xhtml-param-1.mod

```

This is XHTML, a reformulation of HTML as a modular XML application.
 Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
 Revision: \$Id: xhtml-param-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```

PUBLIC "-//W3C//ELEMENTS XHTML Param Element 1.0//EN"
SYSTEM "http://www.w3.org/Markup/DTD/xhtml-param-1.mod"

```

Revisions:

(none)

```

..... -->

```

```

<!-- Parameters for Java Applets and Embedded Objects

```

param

This module provides declarations for the param element, used to provide named property values for the applet and object elements.

-->

<!-- param: Named Property Value -->

<!ENTITY % param.element "INCLUDE" >

<![%param.element;[

<!ENTITY % param.content "EMPTY" >

<!ENTITY % param.qname "param" >

<!ELEMENT %param.qname; %param.content; >

<!-- end of param.element -->]]>

<!ENTITY % param.attlist "INCLUDE" >

<![%param.attlist;[

<!ATTLIST %param.qname;

 %XHTML.xmlns.attrib;

 %id.attrib;

 name CDATA #REQUIRED

 value CDATA #IMPLIED

 valuetype (data | ref | object) 'data'

 type %ContentType.datatype; #IMPLIED

>

<!-- end of param.attlist -->]]>

<!-- end of xhtml-param-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/xhtml11/xhtml-param-1.mod

No license file was found, but licenses were detected in source scan.

20010904/

Copyright (c) 2000 W3C (MIT, INRIA, Keio), All Rights Reserved.

For SVG 1.0:

Namespace:

<http://www.w3.org/2000/svg>

Public identifier:

 PUBLIC "

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/svg10/svg10.dtd

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- SVG 1.1 Shape Module ..... -->
<!-- file: svg-shape.mod
```

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-shape.mod,v 1.3 2002/10/24 17:40:16 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS SVG 1.1 Shape//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-shape.mod"
```

```
..... -->
```

```
<!-- Shape
```

path, rect, circle, line, ellipse, polyline, polygon

This module declares markup to provide support for graphical shapes.

```
-->
```

```
<!-- a list of points -->
<!ENTITY % Points.datatype "CDATA" >
```

```
<!-- Qualified Names (Default) ..... -->
```

```
<!ENTITY % SVG.path.qname "path" >
<!ENTITY % SVG.rect.qname "rect" >
<!ENTITY % SVG.circle.qname "circle" >
<!ENTITY % SVG.line.qname "line" >
<!ENTITY % SVG.ellipse.qname "ellipse" >
<!ENTITY % SVG.polyline.qname "polyline" >
<!ENTITY % SVG.polygon.qname "polygon" >
```

```
<!-- Attribute Collections (Default) ..... -->
```

```
<!ENTITY % SVG.Core.attrib "" >
<!ENTITY % SVG.Conditional.attrib "" >
<!ENTITY % SVG.Style.attrib "" >
<!ENTITY % SVG.Paint.attrib "" >
<!ENTITY % SVG.Color.attrib "" >
<!ENTITY % SVG.Opacity.attrib "" >
<!ENTITY % SVG.Graphics.attrib "" >
```

```

<!ENTITY % SVG.Marker.attrib "" >
<!ENTITY % SVG.Clip.attrib "" >
<!ENTITY % SVG.Mask.attrib "" >
<!ENTITY % SVG.Filter.attrib "" >
<!ENTITY % SVG.GraphicalEvents.attrib "" >
<!ENTITY % SVG.Cursor.attrib "" >
<!ENTITY % SVG.External.attrib "" >

<!-- SVG.Shape.class ..... -->

<!ENTITY % SVG.Shape.extra.class "" >

<!ENTITY % SVG.Shape.class
  "| %SVG.path.qname; | %SVG.rect.qname; | %SVG.circle.qname;
  | %SVG.line.qname; | %SVG.ellipse.qname; | %SVG.polyline.qname;
  | %SVG.polygon.qname; %SVG.Shape.extra.class;"
>

<!-- path: Path Element ..... -->

<!ENTITY % SVG.path.extra.content "" >

<!ENTITY % SVG.path.element "INCLUDE" >
<![%SVG.path.element;[
<!ENTITY % SVG.path.content
  "(( %SVG.Description.class; )* ( %SVG.Animation.class;
  %SVG.path.extra.content; )*)"
>
<!ELEMENT %SVG.path.qname; %SVG.path.content; >
<!-- end of SVG.path.element -->]]>

<!ENTITY % SVG.path.attlist "INCLUDE" >
<![%SVG.path.attlist;[
<!ATTLIST %SVG.path.qname;
  %SVG.Core.attrib;
  %SVG.Conditional.attrib;
  %SVG.Style.attrib;
  %SVG.Paint.attrib;
  %SVG.Color.attrib;
  %SVG.Opacity.attrib;
  %SVG.Graphics.attrib;
  %SVG.Marker.attrib;
  %SVG.Clip.attrib;
  %SVG.Mask.attrib;
  %SVG.Filter.attrib;
  %SVG.GraphicalEvents.attrib;
  %SVG.Cursor.attrib;
  %SVG.External.attrib;

```

```

    d %PathData.datatype; #REQUIRED
    pathLength %Number.datatype; #IMPLIED
    transform %TransformList.datatype; #IMPLIED
>
<!-- end of SVG.path.attlist -->]]>

<!-- rect: Rectangle Element ..... -->

<!ENTITY % SVG.rect.extra.content "" >

<!ENTITY % SVG.rect.element "INCLUDE" >
<![%SVG.rect.element;[
<!ENTITY % SVG.rect.content
    "( (%SVG.Description.class; )* ( %SVG.Animation.class;
    %SVG.rect.extra.content; )*)"
>
<!ELEMENT %SVG.rect.qname; %SVG.rect.content; >
<!-- end of SVG.rect.element -->]]>

<!ENTITY % SVG.rect.attlist "INCLUDE" >
<![%SVG.rect.attlist;[
<!ATTLIST %SVG.rect.qname;
    %SVG.Core.attrib;
    %SVG.Conditional.attrib;
    %SVG.Style.attrib;
    %SVG.Paint.attrib;
    %SVG.Color.attrib;
    %SVG.Opacity.attrib;
    %SVG.Graphics.attrib;
    %SVG.Clip.attrib;
    %SVG.Mask.attrib;
    %SVG.Filter.attrib;
    %SVG.GraphicalEvents.attrib;
    %SVG.Cursor.attrib;
    %SVG.External.attrib;
    x %Coordinate.datatype; #IMPLIED
    y %Coordinate.datatype; #IMPLIED
    width %Length.datatype; #REQUIRED
    height %Length.datatype; #REQUIRED
    rx %Length.datatype; #IMPLIED
    ry %Length.datatype; #IMPLIED
    transform %TransformList.datatype; #IMPLIED
>
<!-- end of SVG.rect.attlist -->]]>

<!-- circle: Circle Element ..... -->

<!ENTITY % SVG.circle.extra.content "" >

```

```

<!ENTITY % SVG.circle.element "INCLUDE" >
<![%SVG.circle.element;[
<!ENTITY % SVG.circle.content
    "( (%SVG.Description.class;)*, ( %SVG.Animation.class;
        %SVG.circle.extra.content; )*)"
>
<!ELEMENT %SVG.circle.qname; %SVG.circle.content; >
<!-- end of SVG.circle.element -->]]>

```

```

<!ENTITY % SVG.circle.attlist "INCLUDE" >
<![%SVG.circle.attlist;[
<!ATTLIST %SVG.circle.qname;
    %SVG.Core.attrib;
    %SVG.Conditional.attrib;
    %SVG.Style.attrib;
    %SVG.Paint.attrib;
    %SVG.Color.attrib;
    %SVG.Opacity.attrib;
    %SVG.Graphics.attrib;
    %SVG.Clip.attrib;
    %SVG.Mask.attrib;
    %SVG.Filter.attrib;
    %SVG.GraphicalEvents.attrib;
    %SVG.Cursor.attrib;
    %SVG.External.attrib;
    cx %Coordinate.datatype; #IMPLIED
    cy %Coordinate.datatype; #IMPLIED
    r %Length.datatype; #REQUIRED
    transform %TransformList.datatype; #IMPLIED
>
<!-- end of SVG.circle.attlist -->]]>

```

```

<!-- line: Line Element ..... -->

```

```

<!ENTITY % SVG.line.extra.content "" >

```

```

<!ENTITY % SVG.line.element "INCLUDE" >
<![%SVG.line.element;[
<!ENTITY % SVG.line.content
    "( (%SVG.Description.class;)*, ( %SVG.Animation.class;
        %SVG.line.extra.content; )*)"
>
<!ELEMENT %SVG.line.qname; %SVG.line.content; >
<!-- end of SVG.line.element -->]]>

```

```

<!ENTITY % SVG.line.attlist "INCLUDE" >
<![%SVG.line.attlist;[

```

```

<!ATTLIST %SVG.line.qname;
  %SVG.Core.attrib;
  %SVG.Conditional.attrib;
  %SVG.Style.attrib;
  %SVG.Paint.attrib;
  %SVG.Color.attrib;
  %SVG.Opacity.attrib;
  %SVG.Graphics.attrib;
  %SVG.Marker.attrib;
  %SVG.Clip.attrib;
  %SVG.Mask.attrib;
  %SVG.Filter.attrib;
  %SVG.GraphicalEvents.attrib;
  %SVG.Cursor.attrib;
  %SVG.External.attrib;
  x1 %Coordinate.datatype; #IMPLIED
  y1 %Coordinate.datatype; #IMPLIED
  x2 %Coordinate.datatype; #IMPLIED
  y2 %Coordinate.datatype; #IMPLIED
  transform %TransformList.datatype; #IMPLIED
>
<!-- end of SVG.line.attlist -->]]>

<!-- ellipse: Ellipse Element ..... -->

<!ENTITY % SVG.ellipse.extra.content "" >

<!ENTITY % SVG.ellipse.element "INCLUDE" >
<![%SVG.ellipse.element;[
<!ENTITY % SVG.ellipse.content
  "( (%SVG.Description.class; )*, ( %SVG.Animation.class;
    %SVG.ellipse.extra.content; )*)"
>
<!ELEMENT %SVG.ellipse.qname; %SVG.ellipse.content; >
<!-- end of SVG.ellipse.element -->]]>

<!ENTITY % SVG.ellipse.attlist "INCLUDE" >
<![%SVG.ellipse.attlist;[
<!ATTLIST %SVG.ellipse.qname;
  %SVG.Core.attrib;
  %SVG.Conditional.attrib;
  %SVG.Style.attrib;
  %SVG.Paint.attrib;
  %SVG.Color.attrib;
  %SVG.Opacity.attrib;
  %SVG.Graphics.attrib;
  %SVG.Clip.attrib;
  %SVG.Mask.attrib;

```

```

%SVG.Filter.attrib;
%SVG.GraphicalEvents.attrib;
%SVG.Cursor.attrib;
%SVG.External.attrib;
cx %Coordinate.datatype; #IMPLIED
cy %Coordinate.datatype; #IMPLIED
rx %Length.datatype; #REQUIRED
ry %Length.datatype; #REQUIRED
transform %TransformList.datatype; #IMPLIED
>
<!-- end of SVG.ellipse.attlist -->]]>

<!-- polyline: Polyline Element ..... -->

<!ENTITY % SVG.polyline.extra.content "" >

<!ENTITY % SVG.polyline.element "INCLUDE" >
<![%SVG.polyline.element;[
<!ENTITY % SVG.polyline.content
  "( (%SVG.Description.class;)*, ( %SVG.Animation.class;
    %SVG.polyline.extra.content;)*)"
>
<!ELEMENT %SVG.polyline.qname; %SVG.polyline.content; >
<!-- end of SVG.polyline.element -->]]>

<!ENTITY % SVG.polyline.attlist "INCLUDE" >
<![%SVG.polyline.attlist;[
<!ATTLIST %SVG.polyline.qname;
  %SVG.Core.attrib;
  %SVG.Conditional.attrib;
  %SVG.Style.attrib;
  %SVG.Paint.attrib;
  %SVG.Color.attrib;
  %SVG.Opacity.attrib;
  %SVG.Graphics.attrib;
  %SVG.Marker.attrib;
  %SVG.Clip.attrib;
  %SVG.Mask.attrib;
  %SVG.Filter.attrib;
  %SVG.GraphicalEvents.attrib;
  %SVG.Cursor.attrib;
  %SVG.External.attrib;
  points %Points.datatype; #REQUIRED
  transform %TransformList.datatype; #IMPLIED
>
<!-- end of SVG.polyline.attlist -->]]>

<!-- polygon: Polygon Element ..... -->

```

```
<!ENTITY % SVG.polygon.extra.content "" >

<!ENTITY % SVG.polygon.element "INCLUDE" >
<![%SVG.polygon.element;[
<!ENTITY % SVG.polygon.content
  "( (%SVG.Description.class;)*, (%SVG.Animation.class;
    %SVG.polygon.extra.content;)*)"
>
<!ELEMENT %SVG.polygon.qname; %SVG.polygon.content; >
<!-- end of SVG.polygon.element -->]]>
```

```
<!ENTITY % SVG.polygon.attlist "INCLUDE" >
<![%SVG.polygon.attlist;[
<!ATTLIST %SVG.polygon.qname;
  %SVG.Core.attrib;
  %SVG.Conditional.attrib;
  %SVG.Style.attrib;
  %SVG.Paint.attrib;
  %SVG.Color.attrib;
  %SVG.Opacity.attrib;
  %SVG.Graphics.attrib;
  %SVG.Marker.attrib;
  %SVG.Clip.attrib;
  %SVG.Mask.attrib;
  %SVG.Filter.attrib;
  %SVG.GraphicalEvents.attrib;
  %SVG.Cursor.attrib;
  %SVG.External.attrib;
  points %Points.datatype; #REQUIRED
  transform %TransformList.datatype; #IMPLIED
>
<!-- end of SVG.polygon.attlist -->]]>
```

```
<!-- end of svg-shape.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-shape.mod
```

No license file was found, but licenses were detected in source scan.

```
<!--
```

```
* This is a schema for the XML representation of the result of the
```

```
* function fn:analyze-string()
```

```
*
```

```
* The schema is made available under the terms of the W3C software notice and license
```

```
* at http://www.w3.org/Consortium/Legal/copyright-software-19980720
```

```
*
```

-->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/analyze-string.xsd

No license file was found, but licenses were detected in source scan.

<!-- -->

<!-- SVG 1.1 Style Module -->

<!-- file: svg-style.mod

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-style.mod,v 1.3 2002/10/24 17:40:16 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ELEMENTS SVG 1.1 Style//EN"

SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-style.mod"

..... -->

<!-- Style

style

This module declares markup to provide support for stylesheet.

-->

<!-- list of classes -->

<!ENTITY % ClassList.datatype "CDATA" >

<!-- comma-separated list of media descriptors. -->

<!ENTITY % MediaDesc.datatype "CDATA" >

<!-- style sheet data -->

<!ENTITY % StyleSheet.datatype "CDATA" >

<!-- Qualified Names (Default) -->

<!ENTITY % SVG.style.qname "style" >

<!-- Attribute Collections (Default) -->

<!ENTITY % SVG.Core.attrib "" >

<!-- SVG.Style.class -->


```

<!ENTITY % SVG.Style.extra.class "" >

<!ENTITY % SVG.Style.class
  "| %SVG.style.qname; %SVG.Style.extra.class;"
>

<!-- SVG.Style.attrib ..... -->

<!ENTITY % SVG.Style.extra.attrib "" >

<!ENTITY % SVG.Style.attrib
  "style %StyleSheet.datatype; #IMPLIED
  class %ClassList.datatype; #IMPLIED
  %SVG.Style.extra.attrib;"
>

<!-- style: Style Element ..... -->

<!ENTITY % SVG.style.extra.content "" >

<!ENTITY % SVG.style.element "INCLUDE" >
<![%SVG.style.element;[
<!ENTITY % SVG.style.content
  "( #PCDATA %SVG.style.extra.content; )*"
>
<!ELEMENT %SVG.style.qname; %SVG.style.content; >
<!-- end of SVG.style.element -->]]>

<!ENTITY % SVG.style.attlist "INCLUDE" >
<![%SVG.style.attlist;[
<!ATTLIST %SVG.style.qname;
  xml:space ( preserve ) #FIXED 'preserve'
  %SVG.Core.attrib;
  type %ContentType.datatype; #REQUIRED
  media %MediaDesc.datatype; #IMPLIED
  title %Text.datatype; #IMPLIED
>
<!-- end of SVG.style.attlist -->]]>

<!-- end of svg-style.mod -->

Found in path(s):
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-style.mod
No license file was found, but licenses were detected in source scan.

<!-- ..... -->
<!-- SVG 1.1 Extensibility Module ..... -->

```

<!-- file: svg-extensibility.mod

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-extensibility.mod,v 1.4 2002/11/14 15:11:02 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ELEMENTS SVG 1.1 Extensibility//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-extensibility.mod"

..... -->

<!-- Extensibility

foreignObject

This module declares markup to provide support for extensibility.

-->

<!-- Qualified Names (Default) -->

<!ENTITY % SVG.foreignObject.qname "foreignObject" >

<!-- Attribute Collections (Default) -->

- <!ENTITY % SVG.Core.attrib "" >
- <!ENTITY % SVG.Conditional.attrib "" >
- <!ENTITY % SVG.Style.attrib "" >
- <!ENTITY % SVG.Viewport.attrib "" >
- <!ENTITY % SVG.Text.attrib "" >
- <!ENTITY % SVG.TextContent.attrib "" >
- <!ENTITY % SVG.Font.attrib "" >
- <!ENTITY % SVG.Paint.attrib "" >
- <!ENTITY % SVG.Color.attrib "" >
- <!ENTITY % SVG.Opacity.attrib "" >
- <!ENTITY % SVG.Graphics.attrib "" >
- <!ENTITY % SVG.Marker.attrib "" >
- <!ENTITY % SVG.Gradient.attrib "" >
- <!ENTITY % SVG.Clip.attrib "" >
- <!ENTITY % SVG.Mask.attrib "" >
- <!ENTITY % SVG.Filter.attrib "" >
- <!ENTITY % SVG.FilterColor.attrib "" >
- <!ENTITY % SVG.GraphicalEvents.attrib "" >
- <!ENTITY % SVG.Cursor.attrib "" >
- <!ENTITY % SVG.External.attrib "" >

<!-- SVG.Extensibility.class -->

```

<!ENTITY % SVG.Extensibility.extra.class "" >

<!ENTITY % SVG.Extensibility.class
  "| %SVG.foreignObject.qname; %SVG.Extensibility.extra.class;"
>

<!-- SVG.Presentation.attrib ..... -->

<!ENTITY % SVG.Presentation.extra.attrib "" >

<!ENTITY % SVG.Presentation.attrib
  "%SVG.Container.attrib;
  %SVG.Viewport.attrib;
  %SVG.Text.attrib;
  %SVG.TextContent.attrib;
  %SVG.Font.attrib;
  %SVG.Paint.attrib;
  %SVG.Color.attrib;
  %SVG.Opacity.attrib;
  %SVG.Graphics.attrib;
  %SVG.Marker.attrib;
  %SVG.ColorProfile.attrib;
  %SVG.Gradient.attrib;
  %SVG.Clip.attrib;
  %SVG.Mask.attrib;
  %SVG.Filter.attrib;
  %SVG.FilterColor.attrib;
  %SVG.Cursor.attrib;
  flood-color %SVGColor.datatype; #IMPLIED
  flood-opacity %OpacityValue.datatype; #IMPLIED
  lighting-color %SVGColor.datatype; #IMPLIED
  %SVG.Presentation.extra.attrib;"
>

<!-- foreignObject: Foreign Object Element ..... -->

<!ENTITY % SVG.foreignObject.extra.content "" >

<!ENTITY % SVG.foreignObject.element "INCLUDE" >
<![%SVG.foreignObject.element;[
<!ENTITY % SVG.foreignObject.content
  "( #PCDATA %SVG.foreignObject.extra.content; )*"
>
<!ELEMENT %SVG.foreignObject.qname; %SVG.foreignObject.content; >
<!-- end of SVG.foreignObject.element -->]]>

<!ENTITY % SVG.foreignObject.attlist "INCLUDE" >

```

```
<![%SVG.foreignObject.attlist;[
<!ATTLIST %SVG.foreignObject.qname;
  %SVG.Core.attrib;
  %SVG.Conditional.attrib;
  %SVG.Style.attrib;
  %SVG.Presentation.attrib;
  %SVG.GraphicalEvents.attrib;
  %SVG.External.attrib;
  x %Coordinate.datatype; #IMPLIED
  y %Coordinate.datatype; #IMPLIED
  width %Length.datatype; #REQUIRED
  height %Length.datatype; #REQUIRED
  transform %TransformList.datatype; #IMPLIED
>
<!-- end of SVG.foreignObject.attlist -->]]>
```

<!-- end of svg-extensibility.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/svg11/svg-extensibility.mod

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Role Module ..... -->
<!-- file: xhtml-role-1.mod
```

This is XHTML Role - the Role Attribute Module for XHTML.

Copyright 2006 W3C (MIT, ERCIM, Keio), All Rights Reserved.

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES XHTML Role Attribute 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-role-1.mod"
```

Revisions:

(none)

```
..... -->
```

```
<!-- XHTML Role Attribute Module does nothing, since role is not incorporated
  in any elements content model as part of this module. -->
<!-- end of xhtml-role-1.mod -->
```

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/xhtml11/xhtml-role-1.mod

No license file was found, but licenses were detected in source scan.

2002 W3C (MIT, INRIA, Keio),
All Rights Reserved.

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml10/xhtml11-frameset.dtd

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->  
<!-- SVG 1.1 Scripting Module ..... -->  
<!-- file: svg-script.mod
```

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-script.mod,v 1.3 2002/10/24 17:40:16 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS SVG 1.1 Scripting//EN"  
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-script.mod"
```

```
..... -->
```

```
<!-- Scripting
```

```
    script
```

This module declares markup to provide support for scripting.

```
-->
```

```
<!-- Qualified Names (Default) ..... -->
```

```
<!ENTITY % SVG.script.qname "script" >
```

```
<!-- Attribute Collections (Default) ..... -->
```

```
<!ENTITY % SVG.Core.attrib "" >
```

```
<!ENTITY % SVG.XLink.attrib "" >
```

```
<!ENTITY % SVG.External.attrib "" >
```

```
<!-- SVG.Script.class ..... -->
```

```

<!ENTITY % SVG.Script.extra.class "" >

<!ENTITY % SVG.Script.class
  "| %SVG.script.qname; %SVG.Script.extra.class;"
>

<!-- script: Script Element ..... -->

<!ENTITY % SVG.script.extra.content "" >

<!ENTITY % SVG.script.element "INCLUDE" >
<![%SVG.script.element;[
<!ENTITY % SVG.script.content
  "( #PCDATA %SVG.script.extra.content; )*"
>
<!ELEMENT %SVG.script.qname; %SVG.script.content; >
<!-- end of SVG.script.element -->]]>

<!ENTITY % SVG.script.attlist "INCLUDE" >
<![%SVG.script.attlist;[
<!ATTLIST %SVG.script.qname;
  %SVG.Core.attrib;
  %SVG.XLink.attrib;
  %SVG.External.attrib;
  type %ContentType.datatype; #REQUIRED
>
<!-- end of SVG.script.attlist -->]]>

<!-- end of svg-script.mod -->

```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-script.mod
```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- XHTML Block Structural Module ..... -->
<!-- file: xhtml-blkstruct-1.mod

```

This is XHTML, a reformulation of HTML as a modular XML application.

Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.

Revision: \$Id: xhtml-blkstruct-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```

PUBLIC "-//W3C//ELEMENTS XHTML Block Structural 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-blkstruct-1.mod"

```

Revisions:

(none)

..... -->

<!-- Block Structural

div, p

This module declares the elements and their attributes used to support block-level structural markup.

-->

```
<!ENTITY % div.element "INCLUDE" >
<![%div.element;[
<!ENTITY % div.content
  "( #PCDATA | %Flow.mix; )*"
>
<!ENTITY % div.qname "div" >
<!ELEMENT %div.qname; %div.content; >
<!-- end of div.element -->]]>
```

```
<!ENTITY % div.attlist "INCLUDE" >
<![%div.attlist;[
<!ATTLIST %div.qname;
  %Common.attrib;
>
<!-- end of div.attlist -->]]>
```

```
<!ENTITY % p.element "INCLUDE" >
<![%p.element;[
<!ENTITY % p.content
  "( #PCDATA | %Inline.mix; )*" >
<!ENTITY % p.qname "p" >
<!ELEMENT %p.qname; %p.content; >
<!-- end of p.element -->]]>
```

```
<!ENTITY % p.attlist "INCLUDE" >
<![%p.attlist;[
<!ATTLIST %p.qname;
  %Common.attrib;
>
<!-- end of p.attlist -->]]>
```

<!-- end of xhtml-blkstruct-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/xhtml11/xhtml-blkstruct-1.mod

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Lists Module ..... -->
<!-- file: xhtml-list-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
Revision: \$Id: xhtml-list-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Lists 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-list-1.mod"
```

```
Revisions:
(none)
..... -->
```

```
<!-- Lists
```

```
    dl, dt, dd, ol, ul, li
```

This module declares the list-oriented element types
and their attributes.

```
-->
```

```
<!ENTITY % dl.qname "dl" >
<!ENTITY % dt.qname "dt" >
<!ENTITY % dd.qname "dd" >
<!ENTITY % ol.qname "ol" >
<!ENTITY % ul.qname "ul" >
<!ENTITY % li.qname "li" >
```

```
<!-- dl: Definition List ..... -->
```

```
<!ENTITY % dl.element "INCLUDE" >
<![%dl.element;[
<!ENTITY % dl.content "( %dt.qname; | %dd.qname; )+" >
<!ELEMENT %dl.qname; %dl.content; >
<!-- end of dl.element -->]]>
```

```
<!ENTITY % dl.attlist "INCLUDE" >
<![%dl.attlist;[
<!ATTLIST %dl.qname;
    %Common.attrib;
>
<!-- end of dl.attlist -->]]>
```


<!-- dt: Definition Term -->

<!ENTITY % dt.element "INCLUDE" >

<![%dt.element;[

<!ENTITY % dt.content

"(#PCDATA | %Inline.mix;)*"

>

<!ELEMENT %dt.qname; %dt.content; >

<!-- end of dt.element -->]]>

<!ENTITY % dt.attlist "INCLUDE" >

<![%dt.attlist;[

<!ATTLIST %dt.qname;

%Common.attrib;

>

<!-- end of dt.attlist -->]]>

<!-- dd: Definition Description -->

<!ENTITY % dd.element "INCLUDE" >

<![%dd.element;[

<!ENTITY % dd.content

"(#PCDATA | %Flow.mix;)*"

>

<!ELEMENT %dd.qname; %dd.content; >

<!-- end of dd.element -->]]>

<!ENTITY % dd.attlist "INCLUDE" >

<![%dd.attlist;[

<!ATTLIST %dd.qname;

%Common.attrib;

>

<!-- end of dd.attlist -->]]>

<!-- ol: Ordered List (numbered styles) -->

<!ENTITY % ol.element "INCLUDE" >

<![%ol.element;[

<!ENTITY % ol.content "(%li.qname;)+" >

<!ELEMENT %ol.qname; %ol.content; >

<!-- end of ol.element -->]]>

<!ENTITY % ol.attlist "INCLUDE" >

<![%ol.attlist;[

<!ATTLIST %ol.qname;

%Common.attrib;

>

<!-- end of ol.attlist -->]]>

<!-- ul: Unordered List (bullet styles) -->

```
<!ENTITY % ul.element "INCLUDE" >
<![%ul.element;[
<!ENTITY % ul.content "( %li.qname; )+" >
<!ELEMENT %ul.qname; %ul.content; >
<!-- end of ul.element -->]]>
```

```
<!ENTITY % ul.attlist "INCLUDE" >
<![%ul.attlist;[
<!ATTLIST %ul.qname;
    %Common.attrib;
>
<!-- end of ul.attlist -->]]>
```

<!-- li: List Item -->

```
<!ENTITY % li.element "INCLUDE" >
<![%li.element;[
<!ENTITY % li.content
    "( #PCDATA | %Flow.mix; )*"
>
<!ELEMENT %li.qname; %li.content; >
<!-- end of li.element -->]]>
```

```
<!ENTITY % li.attlist "INCLUDE" >
<![%li.attlist;[
<!ATTLIST %li.qname;
    %Common.attrib;
>
<!-- end of li.attlist -->]]>
```

<!-- end of xhtml-list-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/xhtml11/xhtml-list-1.mod

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML RDFa QName Module ..... -->
<!-- file: xhtml-rdfa-qname-1.mod
```

This is XHTML RDFa - the RDFa Attribute Module for XHTML.

Copyright 2007 W3C (MIT, ERCIM, Keio), All Rights Reserved.

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES XHTML RDFa Attribute Qnames 1.0//EN"  
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-rdfa-qname-1.mod"
```

Revisions:

(none)

..... -->

<!-- XHTML RDFa Attribute QName (Qualified Name) Module

This module is contained in two parts, labeled Section 'A' and 'B':

Section A declares parameter entities to support namespace-qualified names, namespace declarations, and name prefixing for XHTML RDFa and extensions.

Section B declares parameter entities used to provide namespace-qualified names for the XHTML RDFa elements and attributes:

%link.qname; the xmlns-qualified name for link

...

XHTML RDFa extensions would create a module similar to this one.

-->

<!-- Section A: XHTML RDFa Attribute XML Namespace Framework ::::::::::::::: -->

<!-- 1. Declare a %XHTML-RDFA.prefixed; conditional section keyword, used to activate namespace prefixing. The default value should inherit '%NS.prefixed;' from the DTD driver, so that unless overridden, the default behavior follows the overall DTD prefixing scheme.

-->

```
<!ENTITY % NS.prefixed "IGNORE" >
```

```
<!ENTITY % XHTML-RDFA.prefixed "%NS.prefixed;" >
```

<!-- 2. Declare a parameter entity (eg., %XHTML-RDFA.xmlns;) containing the URI reference used to identify the XHTML RDFa Attribute namespace

-->

```
<!ENTITY % XHTML-RDFA.xmlns "http://www.w3.org/1999/xhtml" >
```

<!-- 3. Declare parameter entities (eg., %XML.prefix;) containing the default namespace prefix string(s) to use when prefixing is enabled. This may be overridden in the DTD driver or the internal subset of an document instance. If no default prefix

is desired, this may be declared as an empty string.

NOTE: As specified in [XMLNAMES], the namespace prefix serves as a proxy for the URI reference, and is not in itself significant.

```
-->
<!ENTITY % XHTML-RDFA.prefix "" >

<!-- 4. Declare parameter entities (eg., %XHTML-RDFA.pfx;) containing the
colonized prefix(es) (eg., %XHTML-RDFA.prefix;:) used when
prefixing is active, an empty string when it is not.
-->
<![%XHTML-RDFA.prefixed;[
<!ENTITY % XHTML-RDFA.pfx "%XHTML-RDFA.prefix;:" >
]]>
<![%XHTML.prefixed;[
<!ENTITY % XHTML-RDFA.pfx "%XHTML.prefix;:" >
]]>
<!ENTITY % XHTML-RDFA.pfx "" >

<!-- declare qualified name extensions here ..... -->
<!ENTITY % xhtml-rdfa-qname-extra.mod "" >
%xhtml-rdfa-qname-extra.mod;

<!-- 5. The parameter entity %XHTML-RDFA.xmlns.extra.attrib; may be
redeclared to contain any non-XHTML RDFa Attribute namespace
declaration attributes for namespaces embedded in XML. The default
is an empty string. XLink should be included here if used
in the DTD.
-->
<!ENTITY % XHTML-RDFA.xmlns.extra.attrib "" >

<!-- Section B: XML Qualified Names ..... -->

<!-- 6. This section declares parameter entities used to provide
namespace-qualified names for the XHTML RDFa attribute modules.

Note that these names are NOT prefixed to be compatible with
XHTML Modularization 1.1
-->

<!-- end of xhtml-rdfa-qname-1.mod -->
```

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/xhtml11/xhtml-rdfa-qname-1.mod

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- SVG 1.1 Text Module ..... -->
<!-- file: svg-text.mod
```

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-text.mod,v 1.4 2002/10/24 17:40:16 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS SVG 1.1 Text//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-text.mod"
```

```
..... -->
```

```
<!-- Text
```

```
text, tspan, tref, textPath, altGlyph, altGlyphDef, altGlyphItem,
glyphRef
```

This module declares markup to provide support for alternate glyph.
-->

```
<!-- 'baseline-shift' property/attribute value (e.g., 'baseline', 'sub', etc.) -->
<!ENTITY % BaselineShiftValue.datatype "CDATA" >
```

```
<!-- 'font-family' property/attribute value (i.e., list of fonts) -->
<!ENTITY % FontFamilyValue.datatype "CDATA" >
```

```
<!-- 'font-size' property/attribute value -->
<!ENTITY % FontSizeValue.datatype "CDATA" >
```

```
<!-- 'font-size-adjust' property/attribute value -->
<!ENTITY % FontSizeAdjustValue.datatype "CDATA" >
```

```
<!-- 'glyph-orientation-horizontal' property/attribute value (e.g., <angle>) -->
<!ENTITY % GlyphOrientationHorizontalValue.datatype "CDATA" >
```

```
<!-- 'glyph-orientation-vertical' property/attribute value (e.g., 'auto', <angle>) -->
<!ENTITY % GlyphOrientationVerticalValue.datatype "CDATA" >
```

```
<!-- 'kerning' property/attribute value (e.g., 'auto', <length>) -->
<!ENTITY % KerningValue.datatype "CDATA" >
```

```
<!-- 'letter-spacing' or 'word-spacing' property/attribute value (e.g., 'normal', <length>) -->
<!ENTITY % SpacingValue.datatype "CDATA" >
```

```
<!-- 'text-decoration' property/attribute value (e.g., 'none', 'underline') -->
```

```

<!ENTITY % TextDecorationValue.datatype "CDATA" >

<!-- Qualified Names (Default) ..... -->

<!ENTITY % SVG.text.qname "text" >
<!ENTITY % SVG.tspan.qname "tspan" >
<!ENTITY % SVG.tref.qname "tref" >
<!ENTITY % SVG.textPath.qname "textPath" >
<!ENTITY % SVG.altGlyph.qname "altGlyph" >
<!ENTITY % SVG.altGlyphDef.qname "altGlyphDef" >
<!ENTITY % SVG.altGlyphItem.qname "altGlyphItem" >
<!ENTITY % SVG.glyphRef.qname "glyphRef" >

<!-- Attribute Collections (Default) ..... -->

<!ENTITY % SVG.Core.attrib "" >
<!ENTITY % SVG.Conditional.attrib "" >
<!ENTITY % SVG.Style.attrib "" >
<!ENTITY % SVG.Paint.attrib "" >
<!ENTITY % SVG.Color.attrib "" >
<!ENTITY % SVG.Opacity.attrib "" >
<!ENTITY % SVG.Graphics.attrib "" >
<!ENTITY % SVG.Clip.attrib "" >
<!ENTITY % SVG.Mask.attrib "" >
<!ENTITY % SVG.Filter.attrib "" >
<!ENTITY % SVG.GraphicalEvents.attrib "" >
<!ENTITY % SVG.Cursor.attrib "" >
<!ENTITY % SVG.XLink.attrib "" >
<!ENTITY % SVG.XLinkRequired.attrib "" >
<!ENTITY % SVG.External.attrib "" >

<!-- SVG.Text.class ..... -->

<!ENTITY % SVG.Text.extra.class "" >

<!ENTITY % SVG.Text.class
  "| %SVG.text.qname; | %SVG.altGlyphDef.qname; %SVG.Text.extra.class;"
>

<!-- SVG.TextContent.class ..... -->

<!ENTITY % SVG.TextContent.extra.class "" >

<!ENTITY % SVG.TextContent.class
  "| %SVG.tspan.qname; | %SVG.tref.qname; | %SVG.textPath.qname;
  | %SVG.altGlyph.qname; %SVG.TextContent.extra.class;"
>

```

<!-- SVG.Text.attrib -->

<!ENTITY % SVG.Text.extra.attrib "" >

<!ENTITY % SVG.Text.attrib
"writing-mode (lr-tb | rl-tb | tb-rl | lr | rl | tb | inherit) #IMPLIED
%SVG.Text.extra.attrib;"
>

<!-- SVG.TextContent.attrib -->

<!ENTITY % SVG.TextContent.extra.attrib "" >

<!ENTITY % SVG.TextContent.attrib
"alignment-baseline (auto | baseline | before-edge | text-before-edge |
middle | central | after-edge | text-after-edge |
ideographic | alphabetic | hanging | mathematical |
inherit) #IMPLIED
baseline-shift %BaselineShiftValue.datatype; #IMPLIED
direction (ltr | rtl | inherit) #IMPLIED
dominant-baseline (auto | use-script | no-change | reset-size |
ideographic | alphabetic | hanging | mathematical |
central | middle | text-after-edge | text-before-edge |
inherit) #IMPLIED
glyph-orientation-horizontal %GlyphOrientationHorizontalValue.datatype;
#IMPLIED
glyph-orientation-vertical %GlyphOrientationVerticalValue.datatype;
#IMPLIED
kerning %KerningValue.datatype; #IMPLIED
letter-spacing %SpacingValue.datatype; #IMPLIED
text-anchor (start | middle | end | inherit) #IMPLIED
text-decoration %TextDecorationValue.datatype; #IMPLIED
unicode-bidi (normal | embed | bidi-override | inherit) #IMPLIED
word-spacing %SpacingValue.datatype; #IMPLIED
%SVG.TextContent.extra.attrib;"
>

<!-- SVG.Font.attrib -->

<!ENTITY % SVG.Font.extra.attrib "" >

<!ENTITY % SVG.Font.attrib
"font-family %FontFamilyValue.datatype; #IMPLIED
font-size %FontSizeValue.datatype; #IMPLIED
font-size-adjust %FontSizeAdjustValue.datatype; #IMPLIED
font-stretch (normal | wider | narrower | ultra-condensed |
extra-condensed | condensed | semi-condensed |
semi-expanded | expanded | extra-expanded |

```

        ultra-expanded | inherit ) #IMPLIED
font-style ( normal | italic | oblique | inherit ) #IMPLIED
font-variant ( normal | small-caps | inherit ) #IMPLIED
font-weight ( normal | bold | bolder | lighter | 100 | 200 | 300 | 400 |
        500 | 600 | 700 | 800 | 900 | inherit ) #IMPLIED
%SVG.Font.extra.attrib;"
>

<!-- text: Text Element ..... -->

<!ENTITY % SVG.text.extra.content "" >

<!ENTITY % SVG.text.element "INCLUDE" >
<![%SVG.text.element;[
<!ENTITY % SVG.text.content
"( #PCDATA | %SVG.Description.class; | %SVG.Animation.class;
%SVG.TextContent.class; %SVG.Hyperlink.class;
%SVG.text.extra.content; )*"
>
<!ELEMENT %SVG.text.qname; %SVG.text.content; >
<!-- end of SVG.text.element -->]]>

<!ENTITY % SVG.text.attlist "INCLUDE" >
<![%SVG.text.attlist;[
<!ATTLIST %SVG.text.qname;
%SVG.Core.attrib;
%SVG.Conditional.attrib;
%SVG.Style.attrib;
%SVG.Text.attrib;
%SVG.TextContent.attrib;
%SVG.Font.attrib;
%SVG.Paint.attrib;
%SVG.Color.attrib;
%SVG.Opacity.attrib;
%SVG.Graphics.attrib;
%SVG.Clip.attrib;
%SVG.Mask.attrib;
%SVG.Filter.attrib;
%SVG.GraphicalEvents.attrib;
%SVG.Cursor.attrib;
%SVG.External.attrib;
x %Coordinates.datatype; #IMPLIED
y %Coordinates.datatype; #IMPLIED
dx %Lengths.datatype; #IMPLIED
dy %Lengths.datatype; #IMPLIED
rotate %Numbers.datatype; #IMPLIED
textLength %Length.datatype; #IMPLIED
lengthAdjust ( spacing | spacingAndGlyphs ) #IMPLIED

```



```

    transform %TransformList.datatype; #IMPLIED
  >
<!-- end of SVG.text.attlist -->]]>

<!-- tspan: Text Span Element ..... -->

<!ENTITY % SVG.tspan.extra.content "" >

<!ENTITY % SVG.tspan.element "INCLUDE" >
<![%SVG.tspan.element;[
<!ENTITY % SVG.tspan.content
  "( #PCDATA | %SVG.tspan.qname; | %SVG.tref.qname; | %SVG.altGlyph.qname;
  | %SVG.animate.qname; | %SVG.set.qname; | %SVG.animateColor.qname;
  | %SVG.Description.class; %SVG.Hyperlink.class;
  %SVG.tspan.extra.content; )*"
>
<!ELEMENT %SVG.tspan.qname; %SVG.tspan.content; >
<!-- end of SVG.tspan.element -->]]>

<!ENTITY % SVG.tspan.attlist "INCLUDE" >
<![%SVG.tspan.attlist;[
<!ATTLIST %SVG.tspan.qname;
  %SVG.Core.attrib;
  %SVG.Conditional.attrib;
  %SVG.Style.attrib;
  %SVG.TextContent.attrib;
  %SVG.Font.attrib;
  %SVG.Paint.attrib;
  %SVG.Color.attrib;
  %SVG.Opacity.attrib;
  %SVG.Graphics.attrib;
  %SVG.Clip.attrib;
  %SVG.Mask.attrib;
  %SVG.Filter.attrib;
  %SVG.GraphicalEvents.attrib;
  %SVG.Cursor.attrib;
  %SVG.External.attrib;
  x %Coordinates.datatype; #IMPLIED
  y %Coordinates.datatype; #IMPLIED
  dx %Lengths.datatype; #IMPLIED
  dy %Lengths.datatype; #IMPLIED
  rotate %Numbers.datatype; #IMPLIED
  textLength %Length.datatype; #IMPLIED
  lengthAdjust ( spacing | spacingAndGlyphs ) #IMPLIED
>
<!-- end of SVG.tspan.attlist -->]]>

<!-- tref: Text Reference Element ..... -->

```

```

<!ENTITY % SVG.tref.extra.content "" >

<!ENTITY % SVG.tref.element "INCLUDE" >
<![%SVG.tref.element;[
<!ENTITY % SVG.tref.content
    "( %SVG.animate.qname; | %SVG.set.qname; | %SVG.animateColor.qname;
    | %SVG.Description.class; %SVG.tref.extra.content; )*"
>
<!ELEMENT %SVG.tref.qname; %SVG.tref.content; >
<!-- end of SVG.tref.element -->]]>

```

```

<!ENTITY % SVG.tref.attlist "INCLUDE" >
<![%SVG.tref.attlist;[
<!ATTLIST %SVG.tref.qname;
    %SVG.Core.attrib;
    %SVG.Conditional.attrib;
    %SVG.Style.attrib;
    %SVG.TextContent.attrib;
    %SVG.Font.attrib;
    %SVG.Paint.attrib;
    %SVG.Color.attrib;
    %SVG.Opacity.attrib;
    %SVG.Graphics.attrib;
    %SVG.Clip.attrib;
    %SVG.Mask.attrib;
    %SVG.Filter.attrib;
    %SVG.GraphicalEvents.attrib;
    %SVG.Cursor.attrib;
    %SVG.XLinkRequired.attrib;
    %SVG.External.attrib;
    x %Coordinates.datatype; #IMPLIED
    y %Coordinates.datatype; #IMPLIED
    dx %Lengths.datatype; #IMPLIED
    dy %Lengths.datatype; #IMPLIED
    rotate %Numbers.datatype; #IMPLIED
    textLength %Length.datatype; #IMPLIED
    lengthAdjust ( spacing | spacingAndGlyphs ) #IMPLIED
>
<!-- end of SVG.tref.attlist -->]]>

```

```

<!-- textPath: Text Path Element ..... -->

```

```

<!ENTITY % SVG.textPath.extra.content "" >

<!ENTITY % SVG.textPath.element "INCLUDE" >
<![%SVG.textPath.element;[
<!ENTITY % SVG.textPath.content

```

```

"( #PCDATA | %SVG.tspan.qname; | %SVG.tref.qname; | %SVG.altGlyph.qname;
| %SVG.animate.qname; | %SVG.set.qname; | %SVG.animateColor.qname;
| %SVG.Description.class; %SVG.Hyperlink.class;
%SVG.textPath.extra.content; )"
>
<!ELEMENT %SVG.textPath.qname; %SVG.textPath.content; >
<!-- end of SVG.textPath.element -->]]>

<!ENTITY % SVG.textPath.attlist "INCLUDE" >
<![%SVG.textPath.attlist;[
<!ATTLIST %SVG.textPath.qname;
%SVG.Core.attrib;
%SVG.Conditional.attrib;
%SVG.Style.attrib;
%SVG.TextContent.attrib;
%SVG.Font.attrib;
%SVG.Paint.attrib;
%SVG.Color.attrib;
%SVG.Opacity.attrib;
%SVG.Graphics.attrib;
%SVG.Clip.attrib;
%SVG.Mask.attrib;
%SVG.Filter.attrib;
%SVG.GraphicalEvents.attrib;
%SVG.Cursor.attrib;
%SVG.XLinkRequired.attrib;
%SVG.External.attrib;
startOffset %Length.datatype; #IMPLIED
textLength %Length.datatype; #IMPLIED
lengthAdjust ( spacing | spacingAndGlyphs ) #IMPLIED
method ( align | stretch ) #IMPLIED
spacing ( auto | exact ) #IMPLIED
>
<!-- end of SVG.textPath.attlist -->]]>

<!-- altGlyph: Alternate Glyph Element ..... -->

<!ENTITY % SVG.altGlyph.extra.content "" >

<!ENTITY % SVG.altGlyph.element "INCLUDE" >
<![%SVG.altGlyph.element;[
<!ENTITY % SVG.altGlyph.content
"( #PCDATA %SVG.altGlyph.extra.content; )"
>
<!ELEMENT %SVG.altGlyph.qname; %SVG.altGlyph.content; >
<!-- end of SVG.altGlyph.element -->]]>

<!ENTITY % SVG.altGlyph.attlist "INCLUDE" >

```

```

<![%SVG.altGlyph.attlist;[
<!ATTLIST %SVG.altGlyph.qname;
  %SVG.Core.attrib;
  %SVG.Conditional.attrib;
  %SVG.Style.attrib;
  %SVG.TextContent.attrib;
  %SVG.Font.attrib;
  %SVG.Paint.attrib;
  %SVG.Color.attrib;
  %SVG.Opacity.attrib;
  %SVG.Graphics.attrib;
  %SVG.Clip.attrib;
  %SVG.Mask.attrib;
  %SVG.Filter.attrib;
  %SVG.GraphicalEvents.attrib;
  %SVG.Cursor.attrib;
  %SVG.XLink.attrib;
  %SVG.External.attrib;
  x %Coordinates.datatype; #IMPLIED
  y %Coordinates.datatype; #IMPLIED
  dx %Lengths.datatype; #IMPLIED
  dy %Lengths.datatype; #IMPLIED
  glyphRef CDATA #IMPLIED
  format CDATA #IMPLIED
  rotate %Numbers.datatype; #IMPLIED
>
<!-- end of SVG.altGlyph.attlist -->]]>

<!-- altGlyphDef: Alternate Glyph Definition Element ... -->

<!ENTITY % SVG.altGlyphDef.extra.content "" >

<!ENTITY % SVG.altGlyphDef.element "INCLUDE" >
<![%SVG.altGlyphDef.element;[
<!ENTITY % SVG.altGlyphDef.content
  "( (%SVG.glyphRef.qname;+ | %SVG.altGlyphItem.qname;+ )
  %SVG.altGlyphDef.extra.content; )"
>
<!ELEMENT %SVG.altGlyphDef.qname; %SVG.altGlyphDef.content; >
<!-- end of SVG.altGlyphDef.element -->]]>

<!ENTITY % SVG.altGlyphDef.attlist "INCLUDE" >
<![%SVG.altGlyphDef.attlist;[
<!ATTLIST %SVG.altGlyphDef.qname;
  %SVG.Core.attrib;
>
<!-- end of SVG.altGlyphDef.attlist -->]]>

```

```

<!-- altGlyphItem: Alternate Glyph Item Element ..... -->

<!ENTITY % SVG.altGlyphItem.extra.content "" >

<!ENTITY % SVG.altGlyphItem.element "INCLUDE" >
<![%SVG.altGlyphItem.element;[
<!ENTITY % SVG.altGlyphItem.content
  "( %SVG.glyphRef.qname;+ %SVG.altGlyphItem.extra.content; )"
>
<!ELEMENT %SVG.altGlyphItem.qname; %SVG.altGlyphItem.content; >
<!-- end of SVG.altGlyphItem.element -->]]>

<!ENTITY % SVG.altGlyphItem.attlist "INCLUDE" >
<![%SVG.altGlyphItem.attlist;[
<!ATTLIST %SVG.altGlyphItem.qname;
  %SVG.Core.attrib;
>
<!-- end of SVG.altGlyphItem.attlist -->]]>

<!-- glyphRef: Glyph Reference Element ..... -->

<!ENTITY % SVG.glyphRef.element "INCLUDE" >
<![%SVG.glyphRef.element;[
<!ENTITY % SVG.glyphRef.content "EMPTY" >
<!ELEMENT %SVG.glyphRef.qname; %SVG.glyphRef.content; >
<!-- end of SVG.glyphRef.element -->]]>

<!ENTITY % SVG.glyphRef.attlist "INCLUDE" >
<![%SVG.glyphRef.attlist;[
<!ATTLIST %SVG.glyphRef.qname;
  %SVG.Core.attrib;
  %SVG.Style.attrib;
  %SVG.Font.attrib;
  %SVG.XLink.attrib;
  x %Number.datatype; #IMPLIED
  y %Number.datatype; #IMPLIED
  dx %Number.datatype; #IMPLIED
  dy %Number.datatype; #IMPLIED
  glyphRef CDATA #IMPLIED
  format CDATA #IMPLIED
>
<!-- end of SVG.glyphRef.attlist -->]]>

<!-- end of svg-text.mod -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-text.mod

```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Modular Framework Module ..... -->
<!-- file: xhtml-framework-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
Revision: \$Id: xhtml-framework-1.mod,v 4.0 2001/04/02 22:42:49 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES XHTML Modular Framework 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-framework-1.mod"
```

Revisions:
(none)
..... -->

```
<!-- Modular Framework
```

This required module instantiates the modules needed
to support the XHTML modularization model, including:

- + datatypes
- + namespace-qualified names
- + common attributes
- + document model
- + character entities

The Intrinsic Events module is ignored by default but
occurs in this module because it must be instantiated
prior to Attributes but after Datatypes.

```
-->
```

```
<!ENTITY % xhtml-arch.module "IGNORE" >
<![%xhtml-arch.module;[
<!ENTITY % xhtml-arch.mod
PUBLIC "-//W3C//ELEMENTS XHTML Base Architecture 1.0//EN"
"xhtml-arch-1.mod" >
%xhtml-arch.mod;]]>
```

```
<!ENTITY % xhtml-notations.module "IGNORE" >
<![%xhtml-notations.module;[
<!ENTITY % xhtml-notations.mod
PUBLIC "-//W3C//NOTATIONS XHTML Notations 1.0//EN"
"xhtml-notations-1.mod" >
%xhtml-notations.mod;]]>
```

```

<!ENTITY % xhtml-datatypes.module "INCLUDE" >
<![% xhtml-datatypes.module;[
<!ENTITY % xhtml-datatypes.mod
    PUBLIC "-//W3C//ENTITIES XHTML Datatypes 1.0//EN"
        "xhtml-datatypes-1.mod" >
% xhtml-datatypes.mod;]]>

<!-- placeholder for XLink support module -->
<!ENTITY % xhtml-xlink.mod "" >
% xhtml-xlink.mod;

<!ENTITY % xhtml-qname.module "INCLUDE" >
<![% xhtml-qname.module;[
<!ENTITY % xhtml-qname.mod
    PUBLIC "-//W3C//ENTITIES XHTML Qualified Names 1.0//EN"
        "xhtml-qname-1.mod" >
% xhtml-qname.mod;]]>

<!ENTITY % xhtml-events.module "IGNORE" >
<![% xhtml-events.module;[
<!ENTITY % xhtml-events.mod
    PUBLIC "-//W3C//ENTITIES XHTML Intrinsic Events 1.0//EN"
        "xhtml-events-1.mod" >
% xhtml-events.mod;]]>

<!ENTITY % xhtml-attribs.module "INCLUDE" >
<![% xhtml-attribs.module;[
<!ENTITY % xhtml-attribs.mod
    PUBLIC "-//W3C//ENTITIES XHTML Common Attributes 1.0//EN"
        "xhtml-attribs-1.mod" >
% xhtml-attribs.mod;]]>

<!-- placeholder for content model redeclarations -->
<!ENTITY % xhtml-model.redecl "" >
% xhtml-model.redecl;

<!ENTITY % xhtml-model.module "INCLUDE" >
<![% xhtml-model.module;[
<!-- instantiate the Document Model module declared in the DTD driver
-->
% xhtml-model.mod;]]>

<!ENTITY % xhtml-charent.module "INCLUDE" >
<![% xhtml-charent.module;[
<!ENTITY % xhtml-charent.mod
    PUBLIC "-//W3C//ENTITIES XHTML Character Entities 1.0//EN"
        "xhtml-charent-1.mod" >

```

%xhtml-charent.mod;]]>

<!-- end of xhtml-framework-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/xhtml11/xhtml-framework-1.mod

No license file was found, but licenses were detected in source scan.

<!--

File isocyr1.ent produced by the XSL script entities.xsl
from input data in unicode.xml.

Copyright 1998 - 2009 W3C.

Use and distribution of this code are permitted under the terms of the
W3C Software Notice and License.

<http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231.html>

Please report any errors to David Carlisle
via the public W3C list www-math@w3.org.

The numeric character values assigned to each entity
(should) match the Unicode assignments in Unicode 5.x.

Entity names in this file are derived from files carrying the
following notice:

(C) International Organization for Standardization 1986
Permission to copy in any form is granted for use with
conforming SGML systems and applications as defined in
ISO 8879, provided this notice is included in all copies.

-->

<!--

Public identifier: `-//W3C//ENTITIES Russian Cyrillic//EN//XML`
System identifier: `http://www.w3.org/2003/entities/2007/isocyr1.ent`

The public identifier should always be used verbatim.
The system identifier may be changed to suit local requirements.

Typical invocation:

```
<!ENTITY % isocyr1 PUBLIC  
"-//W3C//ENTITIES Russian Cyrillic//EN//XML"
```


"http://www.w3.org/2003/entities/2007/isocyr1.ent"

>

%isocyr1;

-->

<!ENTITY acy	"а" ><!--CYRILLIC SMALL LETTER A -->
<!ENTITY Acy	"А" ><!--CYRILLIC CAPITAL LETTER A -->
<!ENTITY bcy	"б" ><!--CYRILLIC SMALL LETTER BE -->
<!ENTITY Bcy	"Б" ><!--CYRILLIC CAPITAL LETTER BE -->
<!ENTITY chcy	"ч" ><!--CYRILLIC SMALL LETTER CHE -->
<!ENTITY CHcy	"Ч" ><!--CYRILLIC CAPITAL LETTER CHE -->
<!ENTITY dcy	"д" ><!--CYRILLIC SMALL LETTER DE -->
<!ENTITY Dcy	"Д" ><!--CYRILLIC CAPITAL LETTER DE -->
<!ENTITY ecy	"э" ><!--CYRILLIC SMALL LETTER E -->
<!ENTITY Ecy	"Э" ><!--CYRILLIC CAPITAL LETTER E -->
<!ENTITY fcy	"ф" ><!--CYRILLIC SMALL LETTER EF -->
<!ENTITY Fcy	"Ф" ><!--CYRILLIC CAPITAL LETTER EF -->
<!ENTITY gcy	"г" ><!--CYRILLIC SMALL LETTER GHE -->
<!ENTITY Gcy	"Г" ><!--CYRILLIC CAPITAL LETTER GHE -->
<!ENTITY hardcy	"ъ" ><!--CYRILLIC SMALL LETTER HARD SIGN -->
<!ENTITY HARDcy	"Ъ" ><!--CYRILLIC CAPITAL LETTER HARD SIGN -->
<!ENTITY icy	"и" ><!--CYRILLIC SMALL LETTER I -->
<!ENTITY Icy	"И" ><!--CYRILLIC CAPITAL LETTER I -->
<!ENTITY iecy	"е" ><!--CYRILLIC SMALL LETTER IE -->
<!ENTITY IEcy	"Е" ><!--CYRILLIC CAPITAL LETTER IE -->
<!ENTITY iocy	"ё" ><!--CYRILLIC SMALL LETTER IO -->
<!ENTITY IOcy	"Ё" ><!--CYRILLIC CAPITAL LETTER IO -->
<!ENTITY jcy	"й" ><!--CYRILLIC SMALL LETTER SHORT I -->
<!ENTITY Jcy	"Й" ><!--CYRILLIC CAPITAL LETTER SHORT I -->
<!ENTITY kcy	"к" ><!--CYRILLIC SMALL LETTER KA -->
<!ENTITY Kcy	"К" ><!--CYRILLIC CAPITAL LETTER KA -->
<!ENTITY khcy	"х" ><!--CYRILLIC SMALL LETTER HA -->
<!ENTITY KHcy	"Х" ><!--CYRILLIC CAPITAL LETTER HA -->
<!ENTITY lcy	"л" ><!--CYRILLIC SMALL LETTER EL -->
<!ENTITY Lcy	"Л" ><!--CYRILLIC CAPITAL LETTER EL -->
<!ENTITY mcy	"м" ><!--CYRILLIC SMALL LETTER EM -->
<!ENTITY Mcy	"М" ><!--CYRILLIC CAPITAL LETTER EM -->
<!ENTITY ncy	"н" ><!--CYRILLIC SMALL LETTER EN -->
<!ENTITY Ncy	"Н" ><!--CYRILLIC CAPITAL LETTER EN -->
<!ENTITY numero	"№" ><!--NUMERO SIGN -->
<!ENTITY ocy	"о" ><!--CYRILLIC SMALL LETTER O -->
<!ENTITY Ocy	"О" ><!--CYRILLIC CAPITAL LETTER O -->
<!ENTITY pcy	"п" ><!--CYRILLIC SMALL LETTER PE -->
<!ENTITY Pcy	"П" ><!--CYRILLIC CAPITAL LETTER PE -->
<!ENTITY rcy	"р" ><!--CYRILLIC SMALL LETTER ER -->
<!ENTITY Rcy	"Р" ><!--CYRILLIC CAPITAL LETTER ER -->
<!ENTITY scy	"с" ><!--CYRILLIC SMALL LETTER ES -->

```

<!ENTITY Scy      "С" ><!--CYRILLIC CAPITAL LETTER ES -->
<!ENTITY shehcy   "щ" ><!--CYRILLIC SMALL LETTER SHCHA -->
<!ENTITY SHCHcy   "Щ" ><!--CYRILLIC CAPITAL LETTER SHCHA -->
<!ENTITY shey     "ш" ><!--CYRILLIC SMALL LETTER SHA -->
<!ENTITY SHcy     "Ш" ><!--CYRILLIC CAPITAL LETTER SHA -->
<!ENTITY softcy   "ь" ><!--CYRILLIC SMALL LETTER SOFT SIGN -->
<!ENTITY SOFTcy   "Ь" ><!--CYRILLIC CAPITAL LETTER SOFT SIGN -->
<!ENTITY tcy      "т" ><!--CYRILLIC SMALL LETTER TE -->
<!ENTITY Tcy      "Т" ><!--CYRILLIC CAPITAL LETTER TE -->
<!ENTITY tscy     "ц" ><!--CYRILLIC SMALL LETTER TSE -->
<!ENTITY TScy     "Ц" ><!--CYRILLIC CAPITAL LETTER TSE -->
<!ENTITY ucy      "у" ><!--CYRILLIC SMALL LETTER U -->
<!ENTITY Ucy      "У" ><!--CYRILLIC CAPITAL LETTER U -->
<!ENTITY vcy      "в" ><!--CYRILLIC SMALL LETTER VE -->
<!ENTITY Vcy      "В" ><!--CYRILLIC CAPITAL LETTER VE -->
<!ENTITY yacy     "я" ><!--CYRILLIC SMALL LETTER YA -->
<!ENTITY YAcy     "Я" ><!--CYRILLIC CAPITAL LETTER YA -->
<!ENTITY ycy      "ы" ><!--CYRILLIC SMALL LETTER YERU -->
<!ENTITY Ycy      "Ы" ><!--CYRILLIC CAPITAL LETTER YERU -->
<!ENTITY yucy     "ю" ><!--CYRILLIC SMALL LETTER YU -->
<!ENTITY YUcy     "Ю" ><!--CYRILLIC CAPITAL LETTER YU -->
<!ENTITY zcy      "з" ><!--CYRILLIC SMALL LETTER ZE -->
<!ENTITY Zcy      "З" ><!--CYRILLIC CAPITAL LETTER ZE -->
<!ENTITY zhecy    "ж" ><!--CYRILLIC SMALL LETTER ZHE -->
<!ENTITY ZHcy     "Ж" ><!--CYRILLIC CAPITAL LETTER ZHE -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/mathml/mathml3/isocyr1.ent

```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- SVG 1.1 Tiny Document Model Module ..... -->
<!-- file: svg11-tiny-model.mod

```

This is SVG Tiny, a proper subset of SVG.

Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.

Revision: \$Id: svg11-tiny-model.mod,v 1.5 2002/11/14 15:11:03 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```

PUBLIC "-//W3C//ENTITIES SVG 1.1 Tiny Document Model//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg11-tiny-model.mod"

```

```

..... -->

```

```

<!-- SVG 1.1 Tiny Document Model

```

This module describes the groupings of elements that make up common content models for SVG elements.

-->

<!-- Content Models (Default) -->

```
<!ENTITY % SVG.Style.class "" >
<!ENTITY % SVG.TextContent.class "" >
<!ENTITY % SVG.Marker.class "" >
<!ENTITY % SVG.ColorProfile.class "" >
<!ENTITY % SVG.Gradient.class "" >
<!ENTITY % SVG.Pattern.class "" >
<!ENTITY % SVG.Clip.class "" >
<!ENTITY % SVG.Mask.class "" >
<!ENTITY % SVG.Filter.class "" >
<!ENTITY % SVG.FilterPrimitive.class "" >
<!ENTITY % SVG.Cursor.class "" >
<!ENTITY % SVG.View.class "" >
<!ENTITY % SVG.Script.class "" >
```

<!-- module: svg-basic-structure.mod -->

```
<!ENTITY % SVG.Description.extra.class "" >
<!ENTITY % SVG.Description.class
"%SVG.desc.qname; | %SVG.title.qname; | %SVG.metadata.qname;
%SVG.Description.extra.class;"
>
```

```
<!ENTITY % SVG.Use.extra.class "" >
<!ENTITY % SVG.Use.class
"| %SVG.use.qname; %SVG.Use.extra.class;"
>
```

```
<!ENTITY % SVG.Structure.extra.class "" >
<!ENTITY % SVG.Structure.class
"| %SVG.g.qname; | %SVG.defs.qname; %SVG.Use.class;
%SVG.Structure.extra.class;"
>
```

<!-- module: svg-conditional.mod -->

```
<!ENTITY % SVG.Conditional.extra.class "" >
<!ENTITY % SVG.Conditional.class
"| %SVG.switch.qname; %SVG.Conditional.extra.class;"
>
```

<!-- module: svg-image.mod -->

```

<!ENTITY % SVG.Image.extra.class "" >
<!ENTITY % SVG.Image.class
  "| %SVG.image.qname; %SVG.Image.extra.class;"
>

<!-- module: svg-shape.mod ..... -->

<!ENTITY % SVG.Shape.extra.class "" >
<!ENTITY % SVG.Shape.class
  "| %SVG.path.qname; | %SVG.rect.qname; | %SVG.circle.qname;
  | %SVG.line.qname; | %SVG.ellipse.qname; | %SVG.polyline.qname;
  | %SVG.polygon.qname; %SVG.Shape.extra.class;"
>

<!-- module: svg-basic-text.mod ..... -->

<!ENTITY % SVG.Text.extra.class "" >
<!ENTITY % SVG.Text.class
  "| %SVG.text.qname; %SVG.Text.extra.class;"
>

<!-- module: svg-hyperlink.mod ..... -->

<!ENTITY % SVG.Hyperlink.extra.class "" >
<!ENTITY % SVG.Hyperlink.class
  "| %SVG.a.qname; %SVG.Hyperlink.extra.class;"
>

<!-- module: svg-animation.mod ..... -->

<!ENTITY % SVG.Animation.extra.class "" >
<!ENTITY % SVG.Animation.class
  "%SVG.animate.qname; | %SVG.set.qname; | %SVG.animateMotion.qname; |
  %SVG.animateColor.qname; | %SVG.animateTransform.qname;
  %SVG.Animation.extra.class;"
>

<!-- module: svg-basic-font.mod ..... -->

<!ENTITY % SVG.Font.extra.class "" >
<!ENTITY % SVG.Font.class
  "| %SVG.font.qname; | %SVG.font-face.qname; %SVG.Font.extra.class;"
>

<!-- module: svg-extensibility.mod ..... -->

<!ENTITY % SVG.Extensibility.extra.class "" >
<!ENTITY % SVG.Extensibility.class

```

```
"| %SVG.foreignObject.qname; %SVG.Extensibility.extra.class;"
```

```
>
```

```
<!-- end of svg11-tiny-model.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-  
jar/net/sf/saxon/data/w3c/svg11/svg11-tiny-model.mod
```

No license file was found, but licenses were detected in source scan.

```
<!--
```

File isocyr2.ent produced by the XSL script entities.xml
from input data in unicode.xml.

Copyright 1998 - 2009 W3C.

Use and distribution of this code are permitted under the terms of the
W3C Software Notice and License.

<http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231.html>

Please report any errors to David Carlisle
via the public W3C list www-math@w3.org.

The numeric character values assigned to each entity
(should) match the Unicode assignments in Unicode 5.x.

Entity names in this file are derived from files carrying the
following notice:

(C) International Organization for Standardization 1986
Permission to copy in any form is granted for use with
conforming SGML systems and applications as defined in
ISO 8879, provided this notice is included in all copies.

```
-->
```

```
<!--
```

Public identifier: `-//W3C//ENTITIES Non-Russian Cyrillic//EN//XML`
System identifier: `http://www.w3.org/2003/entities/2007/isocyr2.ent`

The public identifier should always be used verbatim.
The system identifier may be changed to suit local requirements.

Typical invocation:

```
<!ENTITY % isocyr2 PUBLIC
```

"-//W3C//ENTITIES Non-Russian Cyrillic//EN//XML"

"http://www.w3.org/2003/entities/2007/isocyr2.ent"

>

%isocyr2;

-->

<!ENTITY djcy "ђ" ><!--CYRILLIC SMALL LETTER DJE -->
<!ENTITY DJcy "Ђ" ><!--CYRILLIC CAPITAL LETTER DJE -->
<!ENTITY dscy "ѕ" ><!--CYRILLIC SMALL LETTER DZE -->
<!ENTITY DScy "Ѕ" ><!--CYRILLIC CAPITAL LETTER DZE -->
<!ENTITY dzcy "џ" ><!--CYRILLIC SMALL LETTER DZHE -->
<!ENTITY DZcy "Џ" ><!--CYRILLIC CAPITAL LETTER DZHE -->
<!ENTITY gjcy "ѓ" ><!--CYRILLIC SMALL LETTER GJE -->
<!ENTITY GJcy "Ѓ" ><!--CYRILLIC CAPITAL LETTER GJE -->
<!ENTITY iukcy "і" ><!--CYRILLIC SMALL LETTER BYELORUSSIAN-UKRAINIAN I -->
<!ENTITY Iukcy "І" ><!--CYRILLIC CAPITAL LETTER BYELORUSSIAN-UKRAINIAN I -->
<!ENTITY jscry "ј" ><!--CYRILLIC SMALL LETTER JE -->
<!ENTITY Jscry "Ј" ><!--CYRILLIC CAPITAL LETTER JE -->
<!ENTITY jukcy "є" ><!--CYRILLIC SMALL LETTER UKRAINIAN IE -->
<!ENTITY Jukcy "Є" ><!--CYRILLIC CAPITAL LETTER UKRAINIAN IE -->
<!ENTITY kjcy "ќ" ><!--CYRILLIC SMALL LETTER KJE -->
<!ENTITY KJcy "Ќ" ><!--CYRILLIC CAPITAL LETTER KJE -->
<!ENTITY ljcy "љ" ><!--CYRILLIC SMALL LETTER LJE -->
<!ENTITY LJcy "Љ" ><!--CYRILLIC CAPITAL LETTER LJE -->
<!ENTITY njcy "њ" ><!--CYRILLIC SMALL LETTER NJE -->
<!ENTITY NJcy "Њ" ><!--CYRILLIC CAPITAL LETTER NJE -->
<!ENTITY tshcy "ћ" ><!--CYRILLIC SMALL LETTER TSHE -->
<!ENTITY TSHcy "Ћ" ><!--CYRILLIC CAPITAL LETTER TSHE -->
<!ENTITY ubrcy "ў" ><!--CYRILLIC SMALL LETTER SHORT U -->
<!ENTITY Ubrcy "Ў" ><!--CYRILLIC CAPITAL LETTER SHORT U -->
<!ENTITY yicy "ї" ><!--CYRILLIC SMALL LETTER YI -->
<!ENTITY YIcy "Ї" ><!--CYRILLIC CAPITAL LETTER YI -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/mathml/mathml3/isocyr2.ent

No license file was found, but licenses were detected in source scan.

<!-- -->

<!-- SVG 1.1 Graphical Element Events Attribute Module -->

<!-- file: svg-graphevents-attrib.mod

This is SVG, a language for describing two-dimensional graphics in XML.

Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.

Revision: \$Id: svg-graphevents-attrib.mod,v 1.2 2002/04/20 18:07:43 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ENTITIES SVG 1.1 Graphical Element Events Attribute//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-graphevents-attr.mod"

..... -->

<!-- Graphical Element Events Attribute

onfocusin, onfocusout, onactivate, onclick, onmousedown, onmouseup,
onmouseover, onmousemove, onmouseout, onload

This module defines the GraphicalEvents attribute set.

-->

<!ENTITY % SVG.onfocusin.attrib
"onfocusin %Script.datatype; #IMPLIED"
>

<!ENTITY % SVG.onfocusout.attrib
"onfocusout %Script.datatype; #IMPLIED"
>

<!ENTITY % SVG.onactivate.attrib
"onactivate %Script.datatype; #IMPLIED"
>

<!ENTITY % SVG.onclick.attrib
"onclick %Script.datatype; #IMPLIED"
>

<!ENTITY % SVG.onmousedown.attrib
"onmousedown %Script.datatype; #IMPLIED"
>

<!ENTITY % SVG.onmouseup.attrib
"onmouseup %Script.datatype; #IMPLIED"
>

<!ENTITY % SVG.onmouseover.attrib
"onmouseover %Script.datatype; #IMPLIED"
>

<!ENTITY % SVG.onmousemove.attrib
"onmousemove %Script.datatype; #IMPLIED"
>

<!ENTITY % SVG.onmouseout.attrib
"onmouseout %Script.datatype; #IMPLIED"

```

>

<!ENTITY % SVG.onload.attrib
  "onload %Script.datatype; #IMPLIED"
>

<!ENTITY % SVG.GraphicalEvents.extra.attrib "" >

<!ENTITY % SVG.GraphicalEvents.attrib
  "%SVG.onfocusin.attrib;
  %SVG.onfocusout.attrib;
  %SVG.onactivate.attrib;
  %SVG.onclick.attrib;
  %SVG.onmousedown.attrib;
  %SVG.onmouseup.attrib;
  %SVG.onmouseover.attrib;
  %SVG.onmousemove.attrib;
  %SVG.onmouseout.attrib;
  %SVG.onload.attrib;
  %SVG.GraphicalEvents.extra.attrib;"
>

<!-- end of svg-graphevents-attrib.mod -->

```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-graphevents-attrib.mod
```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- XHTML Inline Phrasal Module ..... -->
<!-- file: xhtml-inlphras-1.mod

```

This is XHTML, a reformulation of HTML as a modular XML application.
 Copyright 1998-2000 W3C (MIT, INRIA, Keio), All Rights Reserved.
 Revision: \$Id: xhtml-inlphras-1.mod,v 1.1 2001/02/13 12:24:22 ht Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```

PUBLIC "-//W3C//ELEMENTS XHTML Inline Phrasal 1.0//EN"
SYSTEM "http://www.w3.org/TR/xhtml-modulization/DTD/xhtml-inlphras-1.mod"

```

Revisions:

(none)

```
..... -->
```

```
<!-- Inline Phrasal
```


abbr, acronym, cite, code, dfn, em, kbd, q, samp, strong, var

This module declares the elements and their attributes used to support inline-level phrasal markup.

-->

```
<!ENTITY % abbr.element "INCLUDE" >
<![%abbr.element;[
<!ENTITY % abbr.content
  "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % abbr.qname "abbr" >
<!ELEMENT %abbr.qname; %abbr.content; >
<!-- end of abbr.element -->]]>
```

```
<!ENTITY % abbr.attlist "INCLUDE" >
<![%abbr.attlist;[
<!ATTLIST %abbr.qname;
  %Common.attrib;
>
<!-- end of abbr.attlist -->]]>
```

```
<!ENTITY % acronym.element "INCLUDE" >
<![%acronym.element;[
<!ENTITY % acronym.content
  "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % acronym.qname "acronym" >
<!ELEMENT %acronym.qname; %acronym.content; >
<!-- end of acronym.element -->]]>
```

```
<!ENTITY % acronym.attlist "INCLUDE" >
<![%acronym.attlist;[
<!ATTLIST %acronym.qname;
  %Common.attrib;
>
<!-- end of acronym.attlist -->]]>
```

```
<!ENTITY % cite.element "INCLUDE" >
<![%cite.element;[
<!ENTITY % cite.content
  "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % cite.qname "cite" >
<!ELEMENT %cite.qname; %cite.content; >
<!-- end of cite.element -->]]>
```

```
<!ENTITY % cite.attlist "INCLUDE" >
```

```

<![%cite.attlist;[
<!ATTLIST %cite.qname;
    %Common.attrib;
>
<!-- end of cite.attlist -->]]>

<!ENTITY % code.element "INCLUDE" >
<![%code.element;[
<!ENTITY % code.content
    "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % code.qname "code" >
<!ELEMENT %code.qname; %code.content; >
<!-- end of code.element -->]]>

<!ENTITY % code.attlist "INCLUDE" >
<![%code.attlist;[
<!ATTLIST %code.qname;
    %Common.attrib;
>
<!-- end of code.attlist -->]]>

<!ENTITY % dfn.element "INCLUDE" >
<![%dfn.element;[
<!ENTITY % dfn.content
    "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % dfn.qname "dfn" >
<!ELEMENT %dfn.qname; %dfn.content; >
<!-- end of dfn.element -->]]>

<!ENTITY % dfn.attlist "INCLUDE" >
<![%dfn.attlist;[
<!ATTLIST %dfn.qname;
    %Common.attrib;
>
<!-- end of dfn.attlist -->]]>

<!ENTITY % em.element "INCLUDE" >
<![%em.element;[
<!ENTITY % em.content
    "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % em.qname "em" >
<!ELEMENT %em.qname; %em.content; >
<!-- end of em.element -->]]>

<!ENTITY % em.attlist "INCLUDE" >

```

```
<![%em.attlist;[
<!ATTLIST %em.qname;
    %Common.attrib;
>
<!-- end of em.attlist -->]]>
```

```
<!ENTITY % kbd.element "INCLUDE" >
<![%kbd.element;[
<!ENTITY % kbd.content
    "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % kbd.qname "kbd" >
<!ELEMENT %kbd.qname; %kbd.content; >
<!-- end of kbd.element -->]]>
```

```
<!ENTITY % kbd.attlist "INCLUDE" >
<![%kbd.attlist;[
<!ATTLIST %kbd.qname;
    %Common.attrib;
>
<!-- end of kbd.attlist -->]]>
```

```
<!ENTITY % q.element "INCLUDE" >
<![%q.element;[
<!ENTITY % q.content
    "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % q.qname "q" >
<!ELEMENT %q.qname; %q.content; >
<!-- end of q.element -->]]>
```

```
<!ENTITY % q.attlist "INCLUDE" >
<![%q.attlist;[
<!ATTLIST %q.qname;
    %Common.attrib;
    cite    %URI.datatype;    #IMPLIED
>
<!-- end of q.attlist -->]]>
```

```
<!ENTITY % samp.element "INCLUDE" >
<![%samp.element;[
<!ENTITY % samp.content
    "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % samp.qname "samp" >
<!ELEMENT %samp.qname; %samp.content; >
<!-- end of samp.element -->]]>
```

```
<!ENTITY % samp.attlist "INCLUDE" >
<![%samp.attlist;[
<!ATTLIST %samp.qname;
    %Common.attrib;
>
<!-- end of samp.attlist -->]]>
```

```
<!ENTITY % strong.element "INCLUDE" >
<![%strong.element;[
<!ENTITY % strong.content
    "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % strong.qname "strong" >
<!ELEMENT %strong.qname; %strong.content; >
<!-- end of strong.element -->]]>
```

```
<!ENTITY % strong.attlist "INCLUDE" >
<![%strong.attlist;[
<!ATTLIST %strong.qname;
    %Common.attrib;
>
<!-- end of strong.attlist -->]]>
```

```
<!ENTITY % var.element "INCLUDE" >
<![%var.element;[
<!ENTITY % var.content
    "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % var.qname "var" >
<!ELEMENT %var.qname; %var.content; >
<!-- end of var.element -->]]>
```

```
<!ENTITY % var.attlist "INCLUDE" >
<![%var.attlist;[
<!ATTLIST %var.qname;
    %Common.attrib;
>
<!-- end of var.attlist -->]]>
```

```
<!-- end of xhtml-inlphras-1.mod -->
```

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/rddl/xhtml-inlphras-1.mod

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- SVG 1.1 Document Events Attribute Module ..... -->
```

<!-- file: svg-docevents-attrib.mod

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-docevents-attrib.mod,v 1.2 2002/04/20 18:07:42 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ENTITIES SVG 1.1 Document Events Attribute//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-docevents-attrib.mod"

..... -->

<!-- Document Events Attribute

onunload, onabort, onerror, onresize, onscroll, onzoom

This module defines the DocumentEvents attribute set.

-->

<!ENTITY % SVG.onunload.attrib
"onunload %Script.datatype; #IMPLIED"
>

<!ENTITY % SVG.onabort.attrib
"onabort %Script.datatype; #IMPLIED"
>

<!ENTITY % SVG.onerror.attrib
"onerror %Script.datatype; #IMPLIED"
>

<!ENTITY % SVG.onresize.attrib
"onresize %Script.datatype; #IMPLIED"
>

<!ENTITY % SVG.onscroll.attrib
"onscroll %Script.datatype; #IMPLIED"
>

<!ENTITY % SVG.onzoom.attrib
"onzoom %Script.datatype; #IMPLIED"
>

<!ENTITY % SVG.DocumentEvents.extra.attrib "" >

<!ENTITY % SVG.DocumentEvents.attrib
"%SVG.onunload.attrib;

```
%SVG.onabort.attrib;
%SVG.onerror.attrib;
%SVG.onresize.attrib;
%SVG.onscroll.attrib;
%SVG.onzoom.attrib;
%SVG.DocumentEvents.extra.attrib;"
>
```

```
<!-- end of svg-docevents-attrib.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-docevents-attrib.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- SVG 1.1 Structure Module ..... -->
<!-- file: svg-structure.mod
```

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-structure.mod,v 1.5 2002/11/14 15:11:03 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS SVG 1.1 Structure//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-structure.mod"
```

```
..... -->
```

```
<!-- Structure
```

```
svg, g, defs, desc, title, metadata, symbol, use
```

This module declares the major structural elements and their attributes.

```
-->
```

```
<!-- Qualified Names (Default) ..... -->
```

```
<!ENTITY % SVG.svg.qname "svg" >
<!ENTITY % SVG.g.qname "g" >
<!ENTITY % SVG.defs.qname "defs" >
<!ENTITY % SVG.desc.qname "desc" >
<!ENTITY % SVG.title.qname "title" >
<!ENTITY % SVG.metadata.qname "metadata" >
<!ENTITY % SVG.symbol.qname "symbol" >
<!ENTITY % SVG.use.qname "use" >
```

<!-- Attribute Collections (Default) -->

<!ENTITY % SVG.Core.attrib "" >
<!ENTITY % SVG.Container.attrib "" >
<!ENTITY % SVG.Conditional.attrib "" >
<!ENTITY % SVG.Style.attrib "" >
<!ENTITY % SVG.Viewport.attrib "" >
<!ENTITY % SVG.Text.attrib "" >
<!ENTITY % SVG.TextContent.attrib "" >
<!ENTITY % SVG.Font.attrib "" >
<!ENTITY % SVG.Paint.attrib "" >
<!ENTITY % SVG.Color.attrib "" >
<!ENTITY % SVG.Opacity.attrib "" >
<!ENTITY % SVG.Graphics.attrib "" >
<!ENTITY % SVG.Marker.attrib "" >
<!ENTITY % SVG.ColorProfile.attrib "" >
<!ENTITY % SVG.Gradient.attrib "" >
<!ENTITY % SVG.Clip.attrib "" >
<!ENTITY % SVG.Mask.attrib "" >
<!ENTITY % SVG.Filter.attrib "" >
<!ENTITY % SVG.FilterColor.attrib "" >
<!ENTITY % SVG.DocumentEvents.attrib "" >
<!ENTITY % SVG.GraphicalEvents.attrib "" >
<!ENTITY % SVG.Cursor.attrib "" >
<!ENTITY % SVG.XLinkEmbed.attrib "" >
<!ENTITY % SVG.External.attrib "" >

<!-- SVG.Description.class -->

<!ENTITY % SVG.Description.extra.class "" >

<!ENTITY % SVG.Description.class
"%SVG.desc.qname; | %SVG.title.qname; | %SVG.metadata.qname;
%SVG.Description.extra.class;"
>

<!-- SVG.Use.class -->

<!ENTITY % SVG.Use.extra.class "" >

<!ENTITY % SVG.Use.class
"| %SVG.use.qname; %SVG.Use.extra.class;"
>

<!-- SVG.Structure.class -->

<!ENTITY % SVG.Structure.extra.class "" >

```

<!ENTITY % SVG.Structure.class
  "| %SVG.svg.qname; | %SVG.g.qname; | %SVG.defs.qname; | %SVG.symbol.qname;
  %SVG.Use.class; %SVG.Structure.extra.class;"
>

<!-- SVG.Presentation.attrib ..... -->

<!ENTITY % SVG.Presentation.extra.attrib "" >

<!ENTITY % SVG.Presentation.attrib
  "%SVG.Container.attrib;
  %SVG.Viewport.attrib;
  %SVG.Text.attrib;
  %SVG.TextContent.attrib;
  %SVG.Font.attrib;
  %SVG.Paint.attrib;
  %SVG.Color.attrib;
  %SVG.Opacity.attrib;
  %SVG.Graphics.attrib;
  %SVG.Marker.attrib;
  %SVG.ColorProfile.attrib;
  %SVG.Gradient.attrib;
  %SVG.Clip.attrib;
  %SVG.Mask.attrib;
  %SVG.Filter.attrib;
  %SVG.FilterColor.attrib;
  %SVG.Cursor.attrib;
  flood-color %SVGColor.datatype; #IMPLIED
  flood-opacity %OpacityValue.datatype; #IMPLIED
  lighting-color %SVGColor.datatype; #IMPLIED
  %SVG.Presentation.extra.attrib;"
>

<!-- svg: SVG Document Element ..... -->

<!ENTITY % SVG.svg.extra.content "" >

<!ENTITY % SVG.svg.element "INCLUDE" >
<![%SVG.svg.element;[
<!ENTITY % SVG.svg.content
  "( %SVG.Description.class; | %SVG.Animation.class; %SVG.Structure.class;
  %SVG.Conditional.class; %SVG.Image.class; %SVG.Style.class;
  %SVG.Shape.class; %SVG.Text.class; %SVG.Marker.class;
  %SVG.ColorProfile.class; %SVG.Gradient.class; %SVG.Pattern.class;
  %SVG.Clip.class; %SVG.Mask.class; %SVG.Filter.class; %SVG.Cursor.class;
  %SVG.Hyperlink.class; %SVG.View.class; %SVG.Script.class;
  %SVG.Font.class; %SVG.svg.extra.content; )*"
>

```



```

<!ELEMENT %SVG.svg.qname; %SVG.svg.content; >
<!-- end of SVG.svg.element -->]]>

<!ENTITY % SVG.svg.attlist "INCLUDE" >
<![%SVG.svg.attlist;[
<!ATTLIST %SVG.svg.qname;
  %SVG.xmlns.attrib;
  %SVG.Core.attrib;
  %SVG.Conditional.attrib;
  %SVG.Style.attrib;
  %SVG.Presentation.attrib;
  %SVG.DocumentEvents.attrib;
  %SVG.GraphicalEvents.attrib;
  %SVG.External.attrib;
  x %Coordinate.datatype; #IMPLIED
  y %Coordinate.datatype; #IMPLIED
  width %Length.datatype; #IMPLIED
  height %Length.datatype; #IMPLIED
  viewBox %ViewBoxSpec.datatype; #IMPLIED
  preserveAspectRatio %PreserveAspectRatioSpec.datatype; 'xMidYMid meet'
  zoomAndPan ( disable | magnify ) 'magnify'
  version %Number.datatype; #FIXED '1.1'
  baseProfile %Text.datatype; #IMPLIED
  contentScriptType %ContentType.datatype; 'text/ecmascript'
  contentStyleType %ContentType.datatype; 'text/css'
>
<!-- end of SVG.svg.attlist -->]]>

<!-- g: Group Element ..... -->

<!ENTITY % SVG.g.extra.content "" >

<!ENTITY % SVG.g.element "INCLUDE" >
<![%SVG.g.element;[
<!ENTITY % SVG.g.content
  "( %SVG.Description.class; | %SVG.Animation.class; %SVG.Structure.class;
  %SVG.Conditional.class; %SVG.Image.class; %SVG.Style.class;
  %SVG.Shape.class; %SVG.Text.class; %SVG.Marker.class;
  %SVG.ColorProfile.class; %SVG.Gradient.class; %SVG.Pattern.class;
  %SVG.Clip.class; %SVG.Mask.class; %SVG.Filter.class; %SVG.Cursor.class;
  %SVG.Hyperlink.class; %SVG.View.class; %SVG.Script.class;
  %SVG.Font.class; %SVG.g.extra.content; )*"
>
<!ELEMENT %SVG.g.qname; %SVG.g.content; >
<!-- end of SVG.g.element -->]]>

<!ENTITY % SVG.g.attlist "INCLUDE" >
<![%SVG.g.attlist;[

```

```

<!ATTLIST %SVG.g.qname;
  %SVG.Core.attrib;
  %SVG.Conditional.attrib;
  %SVG.Style.attrib;
  %SVG.Presentation.attrib;
  %SVG.GraphicalEvents.attrib;
  %SVG.External.attrib;
  transform %TransformList.datatype; #IMPLIED
>
<!-- end of SVG.g.attlist -->]]>

<!-- defs: Definitions Element ..... -->

<!ENTITY % SVG.defs.extra.content "" >

<!ENTITY % SVG.defs.element "INCLUDE" >
<![%SVG.defs.element;[
<!ENTITY % SVG.defs.content
  "( %SVG.Description.class; | %SVG.Animation.class; %SVG.Structure.class;
  %SVG.Conditional.class; %SVG.Image.class; %SVG.Style.class;
  %SVG.Shape.class; %SVG.Text.class; %SVG.Marker.class;
  %SVG.ColorProfile.class; %SVG.Gradient.class; %SVG.Pattern.class;
  %SVG.Clip.class; %SVG.Mask.class; %SVG.Filter.class; %SVG.Cursor.class;
  %SVG.Hyperlink.class; %SVG.View.class; %SVG.Script.class;
  %SVG.Font.class; %SVG.defs.extra.content; )*"
>
<!ELEMENT %SVG.defs.qname; %SVG.defs.content; >
<!-- end of SVG.defs.element -->]]>

<!ENTITY % SVG.defs.attlist "INCLUDE" >
<![%SVG.defs.attlist;[
<!ATTLIST %SVG.defs.qname;
  %SVG.Core.attrib;
  %SVG.Conditional.attrib;
  %SVG.Style.attrib;
  %SVG.Presentation.attrib;
  %SVG.GraphicalEvents.attrib;
  %SVG.External.attrib;
  transform %TransformList.datatype; #IMPLIED
>
<!-- end of SVG.defs.attlist -->]]>

<!-- desc: Description Element ..... -->

<!ENTITY % SVG.desc.extra.content "" >

<!ENTITY % SVG.desc.element "INCLUDE" >
<![%SVG.desc.element;[

```

```

<!ENTITY % SVG.desc.content
  "( #PCDATA %SVG.desc.extra.content; )*"
>
<!ELEMENT %SVG.desc.qname; %SVG.desc.content; >
<!-- end of SVG.desc.element -->]]>

<!ENTITY % SVG.desc.attlist "INCLUDE" >
<![%SVG.desc.attlist;[
<!ATTLIST %SVG.desc.qname;
  %SVG.Core.attrib;
  %SVG.Style.attrib;
>
<!-- end of SVG.desc.attlist -->]]>

<!-- title: Title Element ..... -->

<!ENTITY % SVG.title.extra.content "" >

<!ENTITY % SVG.title.element "INCLUDE" >
<![%SVG.title.element;[
<!ENTITY % SVG.title.content
  "( #PCDATA %SVG.title.extra.content; )*"
>
<!ELEMENT %SVG.title.qname; %SVG.title.content; >
<!-- end of SVG.title.element -->]]>

<!ENTITY % SVG.title.attlist "INCLUDE" >
<![%SVG.title.attlist;[
<!ATTLIST %SVG.title.qname;
  %SVG.Core.attrib;
  %SVG.Style.attrib;
>
<!-- end of SVG.title.attlist -->]]>

<!-- metadata: Metadata Element ..... -->

<!ENTITY % SVG.metadata.extra.content "" >

<!ENTITY % SVG.metadata.element "INCLUDE" >
<![%SVG.metadata.element;[
<!ENTITY % SVG.metadata.content
  "( #PCDATA %SVG.metadata.extra.content; )*"
>
<!ELEMENT %SVG.metadata.qname; %SVG.metadata.content; >
<!-- end of SVG.metadata.element -->]]>

<!ENTITY % SVG.metadata.attlist "INCLUDE" >
<![%SVG.metadata.attlist;[

```

```

<!ATTLIST %SVG.metadata.qname;
  %SVG.Core.attrib;
>
<!-- end of SVG.metadata.attlist -->]]>

<!-- symbol: Symbol Element ..... -->

<!ENTITY % SVG.symbol.extra.content "" >

<!ENTITY % SVG.symbol.element "INCLUDE" >
<![%SVG.symbol.element;[
<!ENTITY % SVG.symbol.content
  "( %SVG.Description.class; | %SVG.Animation.class; %SVG.Structure.class;
  %SVG.Conditional.class; %SVG.Image.class; %SVG.Style.class;
  %SVG.Shape.class; %SVG.Text.class; %SVG.Marker.class;
  %SVG.ColorProfile.class; %SVG.Gradient.class; %SVG.Pattern.class;
  %SVG.Clip.class; %SVG.Mask.class; %SVG.Filter.class; %SVG.Cursor.class;
  %SVG.Hyperlink.class; %SVG.View.class; %SVG.Script.class;
  %SVG.Font.class; %SVG.symbol.extra.content; )*"
>
<!ELEMENT %SVG.symbol.qname; %SVG.symbol.content; >
<!-- end of SVG.symbol.element -->]]>

<!ENTITY % SVG.symbol.attlist "INCLUDE" >
<![%SVG.symbol.attlist;[
<!ATTLIST %SVG.symbol.qname;
  %SVG.Core.attrib;
  %SVG.Style.attrib;
  %SVG.Presentation.attrib;
  %SVG.GraphicalEvents.attrib;
  %SVG.External.attrib;
  viewBox %ViewBoxSpec.datatype; #IMPLIED
  preserveAspectRatio %PreserveAspectRatioSpec.datatype; 'xMidYMid meet'
>
<!-- end of SVG.symbol.attlist -->]]>

<!-- use: Use Element ..... -->

<!ENTITY % SVG.use.extra.content "" >

<!ENTITY % SVG.use.element "INCLUDE" >
<![%SVG.use.element;[
<!ENTITY % SVG.use.content
  "(( %SVG.Description.class; )*, ( %SVG.Animation.class;
  %SVG.use.extra.content; )*)"
>
<!ELEMENT %SVG.use.qname; %SVG.use.content; >
<!-- end of SVG.use.element -->]]>

```

```
<!ENTITY % SVG.use.attlist "INCLUDE" >
<![%SVG.use.attlist;[
<!ATTLIST %SVG.use.qname;
  %SVG.Core.attrib;
  %SVG.Conditional.attrib;
  %SVG.Style.attrib;
  %SVG.Presentation.attrib;
  %SVG.GraphicalEvents.attrib;
  %SVG.XLinkEmbed.attrib;
  %SVG.External.attrib;
  x %Coordinate.datatype; #IMPLIED
  y %Coordinate.datatype; #IMPLIED
  width %Length.datatype; #IMPLIED
  height %Length.datatype; #IMPLIED
  transform %TransformList.datatype; #IMPLIED
>
<!-- end of SVG.use.attlist -->]]>
```

<!-- end of svg-structure.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/svg11/svg-structure.mod

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- SVG 1.1 Filter Module ..... -->
<!-- file: svg-filter.mod
```

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-filter.mod,v 1.4 2002/11/14 15:11:02 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS SVG 1.1 Filter//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-filter.mod"
```

```
..... -->
```

<!-- Filter

filter, feBlend, feColorMatrix, feComponentTransfer, feComposite,
feConvolveMatrix, feDiffuseLighting, feDisplacementMap, feFlood,
feGaussianBlur, feImage, feMerge, feMergeNode, feMorphology, feOffset,
feSpecularLighting, feTile, feTurbulence, feDistantLight, fePointLight,
feSpotLight, feFuncR, feFuncG, feFuncB, feFuncA

This module declares markup to provide support for filter effect.

-->

<!-- 'filter' property/attribute value (e.g., 'none', <uri>) -->

<!ENTITY % FilterValue.datatype "CDATA" >

<!-- list of <number>s, but at least one and at most two -->

<!ENTITY % NumberOptionalNumber.datatype "CDATA" >

<!-- Qualified Names (Default) -->

<!ENTITY % SVG.filter.qname "filter" >

<!ENTITY % SVG.feBlend.qname "feBlend" >

<!ENTITY % SVG.feColorMatrix.qname "feColorMatrix" >

<!ENTITY % SVG.feComponentTransfer.qname "feComponentTransfer" >

<!ENTITY % SVG.feComposite.qname "feComposite" >

<!ENTITY % SVG.feConvolveMatrix.qname "feConvolveMatrix" >

<!ENTITY % SVG.feDiffuseLighting.qname "feDiffuseLighting" >

<!ENTITY % SVG.feDisplacementMap.qname "feDisplacementMap" >

<!ENTITY % SVG.feFlood.qname "feFlood" >

<!ENTITY % SVG.feGaussianBlur.qname "feGaussianBlur" >

<!ENTITY % SVG.feImage.qname "feImage" >

<!ENTITY % SVG.feMerge.qname "feMerge" >

<!ENTITY % SVG.feMergeNode.qname "feMergeNode" >

<!ENTITY % SVG.feMorphology.qname "feMorphology" >

<!ENTITY % SVG.feOffset.qname "feOffset" >

<!ENTITY % SVG.feSpecularLighting.qname "feSpecularLighting" >

<!ENTITY % SVG.feTile.qname "feTile" >

<!ENTITY % SVG.feTurbulence.qname "feTurbulence" >

<!ENTITY % SVG.feDistantLight.qname "feDistantLight" >

<!ENTITY % SVG.fePointLight.qname "fePointLight" >

<!ENTITY % SVG.feSpotLight.qname "feSpotLight" >

<!ENTITY % SVG.feFuncR.qname "feFuncR" >

<!ENTITY % SVG.feFuncG.qname "feFuncG" >

<!ENTITY % SVG.feFuncB.qname "feFuncB" >

<!ENTITY % SVG.feFuncA.qname "feFuncA" >

<!-- Attribute Collections (Default) -->

<!ENTITY % SVG.Core.attrib "" >

<!ENTITY % SVG.Container.attrib "" >

<!ENTITY % SVG.Style.attrib "" >

<!ENTITY % SVG.Viewport.attrib "" >

<!ENTITY % SVG.Text.attrib "" >

<!ENTITY % SVG.TextContent.attrib "" >

<!ENTITY % SVG.Font.attrib "" >

<!ENTITY % SVG.Paint.attrib "" >

```

<!ENTITY % SVG.Color.attrib "" >
<!ENTITY % SVG.Opacity.attrib "" >
<!ENTITY % SVG.Graphics.attrib "" >
<!ENTITY % SVG.Marker.attrib "" >
<!ENTITY % SVG.ColorProfile.attrib "" >
<!ENTITY % SVG.Gradient.attrib "" >
<!ENTITY % SVG.Clip.attrib "" >
<!ENTITY % SVG.Mask.attrib "" >
<!ENTITY % SVG.Cursor.attrib "" >
<!ENTITY % SVG.XLink.attrib "" >
<!ENTITY % SVG.XLinkEmbed.attrib "" >
<!ENTITY % SVG.External.attrib "" >

<!-- SVG.Filter.class ..... -->

<!ENTITY % SVG.Filter.extra.class "" >

<!ENTITY % SVG.Filter.class
  "| %SVG.filter.qname; %SVG.Filter.extra.class;"
>

<!-- SVG.FilterPrimitive.class ..... -->

<!ENTITY % SVG.FilterPrimitive.extra.class "" >

<!ENTITY % SVG.FilterPrimitive.class
  "| %SVG.feBlend.qname; | %SVG.feColorMatrix.qname;
  | %SVG.feComponentTransfer.qname; | %SVG.feComposite.qname;
  | %SVG.feConvolveMatrix.qname; | %SVG.feDiffuseLighting.qname;
  | %SVG.feDisplacementMap.qname; | %SVG.feFlood.qname;
  | %SVG.feGaussianBlur.qname; | %SVG.feImage.qname; | %SVG.feMerge.qname;
  | %SVG.feMorphology.qname; | %SVG.feOffset.qname;
  | %SVG.feSpecularLighting.qname; | %SVG.feTile.qname;
  | %SVG.feTurbulence.qname; %SVG.FilterPrimitive.extra.class;"
>

<!-- SVG.Filter.attrib ..... -->

<!ENTITY % SVG.Filter.extra.attrib "" >

<!ENTITY % SVG.Filter.attrib
  "filter %FilterValue.datatype; #IMPLIED
  %SVG.Filter.extra.attrib;"
>

<!-- SVG.FilterColor.attrib ..... -->

<!ENTITY % SVG.FilterColor.extra.attrib "" >

```

```
<!ENTITY % SVG.FilterColor.attrib
"color-interpolation-filters ( auto | sRGB | linearRGB | inherit )
      #IMPLIED
%SVG.FilterColor.extra.attrib;"
>
```

```
<!-- SVG.FilterPrimitive.attrib ..... -->
```

```
<!ENTITY % SVG.FilterPrimitive.extra.attrib "" >
```

```
<!ENTITY % SVG.FilterPrimitive.attrib
"x %Coordinate.datatype; #IMPLIED
y %Coordinate.datatype; #IMPLIED
width %Length.datatype; #IMPLIED
height %Length.datatype; #IMPLIED
result CDATA #IMPLIED
%SVG.FilterPrimitive.extra.attrib;"
>
```

```
<!-- SVG.FilterPrimitiveWithIn.attrib ..... -->
```

```
<!ENTITY % SVG.FilterPrimitiveWithIn.extra.attrib "" >
```

```
<!ENTITY % SVG.FilterPrimitiveWithIn.attrib
"%SVG.FilterPrimitive.attrib;
in CDATA #IMPLIED
%SVG.FilterPrimitiveWithIn.extra.attrib;"
>
```

```
<!-- SVG.Presentation.attrib ..... -->
```

```
<!ENTITY % SVG.Presentation.extra.attrib "" >
```

```
<!ENTITY % SVG.Presentation.attrib
"%SVG.Container.attrib;
%SVG.Viewport.attrib;
%SVG.Text.attrib;
%SVG.TextContent.attrib;
%SVG.Font.attrib;
%SVG.Paint.attrib;
%SVG.Color.attrib;
%SVG.Opacity.attrib;
%SVG.Graphics.attrib;
%SVG.Marker.attrib;
%SVG.ColorProfile.attrib;
%SVG.Gradient.attrib;
%SVG.Clip.attrib;
```



```

    %SVG.Mask.attrib;
    %SVG.Filter.attrib;
    %SVG.FilterColor.attrib;
    %SVG.Cursor.attrib;
    flood-color %SVGColor.datatype; #IMPLIED
    flood-opacity %OpacityValue.datatype; #IMPLIED
    lighting-color %SVGColor.datatype; #IMPLIED
    %SVG.Presentation.extra.attrib;"
>

<!-- filter: Filter Element ..... -->

<!ENTITY % SVG.filter.extra.content "" >

<!ENTITY % SVG.filter.element "INCLUDE" >
<![%SVG.filter.element;[
<!ENTITY % SVG.filter.content
    "(( %SVG.Description.class; )*, ( %SVG.animate.qname; | %SVG.set.qname;
    %SVG.FilterPrimitive.class; %SVG.filter.extra.content; )*)"
>
<!ELEMENT %SVG.filter.qname; %SVG.filter.content; >
<!-- end of SVG.filter.element -->]]>

<!ENTITY % SVG.filter.attlist "INCLUDE" >
<![%SVG.filter.attlist;[
<!ATTLIST %SVG.filter.qname;
    %SVG.Core.attrib;
    %SVG.Style.attrib;
    %SVG.Presentation.attrib;
    %SVG.XLink.attrib;
    %SVG.External.attrib;
    x %Coordinate.datatype; #IMPLIED
    y %Coordinate.datatype; #IMPLIED
    width %Length.datatype; #IMPLIED
    height %Length.datatype; #IMPLIED
    filterRes %NumberOptionalNumber.datatype; #IMPLIED
    filterUnits ( userSpaceOnUse | objectBoundingBox ) #IMPLIED
    primitiveUnits ( userSpaceOnUse | objectBoundingBox ) #IMPLIED
>
<!-- end of SVG.filter.attlist -->]]>

<!-- feBlend: Filter Effect Blend Element ..... -->

<!ENTITY % SVG.feBlend.extra.content "" >

<!ENTITY % SVG.feBlend.element "INCLUDE" >
<![%SVG.feBlend.element;[
<!ENTITY % SVG.feBlend.content

```

```

    "( %SVG.animate.qname; | %SVG.set.qname; %SVG.feBlend.extra.content; )"
>
<!ELEMENT %SVG.feBlend.qname; %SVG.feBlend.content; >
<!-- end of SVG.feBlend.element -->]]>

<!ENTITY % SVG.feBlend.attlist "INCLUDE" >
<![%SVG.feBlend.attlist;[
<!ATTLIST %SVG.feBlend.qname;
    %SVG.Core.attrib;
    %SVG.FilterColor.attrib;
    %SVG.FilterPrimitiveWithIn.attrib;
    in2 CDATA #REQUIRED
    mode ( normal | multiply | screen | darken | lighten ) 'normal'
>
<!-- end of SVG.feBlend.attlist -->]]>

<!-- feColorMatrix: Filter Effect Color Matrix Element . -->

<!ENTITY % SVG.feColorMatrix.extra.content "" >

<!ENTITY % SVG.feColorMatrix.element "INCLUDE" >
<![%SVG.feColorMatrix.element;[
<!ENTITY % SVG.feColorMatrix.content
    "( %SVG.animate.qname; | %SVG.set.qname;
    %SVG.feColorMatrix.extra.content; )"
>
<!ELEMENT %SVG.feColorMatrix.qname; %SVG.feColorMatrix.content; >
<!-- end of SVG.feColorMatrix.element -->]]>

<!ENTITY % SVG.feColorMatrix.attlist "INCLUDE" >
<![%SVG.feColorMatrix.attlist;[
<!ATTLIST %SVG.feColorMatrix.qname;
    %SVG.Core.attrib;
    %SVG.FilterColor.attrib;
    %SVG.FilterPrimitiveWithIn.attrib;
    type ( matrix | saturate | hueRotate | luminanceToAlpha ) 'matrix'
    values CDATA #IMPLIED
>
<!-- end of SVG.feColorMatrix.attlist -->]]>

<!-- feComponentTransfer: Filter Effect Component Transfer Element -->

<!ENTITY % SVG.feComponentTransfer.extra.content "" >

<!ENTITY % SVG.feComponentTransfer.element "INCLUDE" >
<![%SVG.feComponentTransfer.element;[
<!ENTITY % SVG.feComponentTransfer.content
    "( %SVG.feFuncR.qname;?, %SVG.feFuncG.qname;?, %SVG.feFuncB.qname;?,

```

```

    %SVG.feFuncA.qname;? %SVG.feComponentTransfer.extra.content; )"
>
<!ELEMENT %SVG.feComponentTransfer.qname; %SVG.feComponentTransfer.content; >
<!-- end of SVG.feComponentTransfer.element -->]]>

<!ENTITY % SVG.feComponentTransfer.attlist "INCLUDE" >
<![%SVG.feComponentTransfer.attlist;[
<!ATTLIST %SVG.feComponentTransfer.qname;
    %SVG.Core.attrib;
    %SVG.FilterColor.attrib;
    %SVG.FilterPrimitiveWithIn.attrib;
>
<!-- end of SVG.feComponentTransfer.attlist -->]]>

<!-- feComposite: Filter Effect Composite Element ..... -->

<!ENTITY % SVG.feComposite.extra.content "" >

<!ENTITY % SVG.feComposite.element "INCLUDE" >
<![%SVG.feComposite.element;[
<!ENTITY % SVG.feComposite.content
    "( %SVG.animate.qname; | %SVG.set.qname; %SVG.feComposite.extra.content; )*"
>
<!ELEMENT %SVG.feComposite.qname; %SVG.feComposite.content; >
<!-- end of SVG.feComposite.element -->]]>

<!ENTITY % SVG.feComposite.attlist "INCLUDE" >
<![%SVG.feComposite.attlist;[
<!ATTLIST %SVG.feComposite.qname;
    %SVG.Core.attrib;
    %SVG.FilterColor.attrib;
    %SVG.FilterPrimitiveWithIn.attrib;
    in2 CDATA #REQUIRED
    operator ( over | in | out | atop | xor | arithmetic ) 'over'
    k1 %Number.datatype; #IMPLIED
    k2 %Number.datatype; #IMPLIED
    k3 %Number.datatype; #IMPLIED
    k4 %Number.datatype; #IMPLIED
>
<!-- end of SVG.feComposite.attlist -->]]>

<!-- feConvolveMatrix: Filter Effect Convolve Matrix Element -->

<!ENTITY % SVG.feConvolveMatrix.extra.content "" >

<!ENTITY % SVG.feConvolveMatrix.element "INCLUDE" >
<![%SVG.feConvolveMatrix.element;[
<!ENTITY % SVG.feConvolveMatrix.content

```

```

    "( %SVG.animate.qname; | %SVG.set.qname;
      %SVG.feConvolveMatrix.extra.content; )"
  >
<!ELEMENT %SVG.feConvolveMatrix.qname; %SVG.feConvolveMatrix.content; >
<!-- end of SVG.feConvolveMatrix.element -->]]>

<!ENTITY % SVG.feConvolveMatrix.attlist "INCLUDE" >
<![%SVG.feConvolveMatrix.attlist;[
<!ATTLIST %SVG.feConvolveMatrix.qname;
  %SVG.Core.attrib;
  %SVG.FilterColor.attrib;
  %SVG.FilterPrimitiveWithIn.attrib;
  order %NumberOptionalNumber.datatype; #REQUIRED
  kernelMatrix CDATA #REQUIRED
  divisor %Number.datatype; #IMPLIED
  bias %Number.datatype; #IMPLIED
  targetX %Integer.datatype; #IMPLIED
  targetY %Integer.datatype; #IMPLIED
  edgeMode ( duplicate | wrap | none ) 'duplicate'
  kernelUnitLength %NumberOptionalNumber.datatype; #IMPLIED
  preserveAlpha %Boolean.datatype; #IMPLIED
>
<!-- end of SVG.feConvolveMatrix.attlist -->]]>

<!-- feDiffuseLighting: Filter Effect Diffuse Lighting Element -->

<!ENTITY % SVG.feDiffuseLighting.extra.content "" >

<!ENTITY % SVG.feDiffuseLighting.element "INCLUDE" >
<![%SVG.feDiffuseLighting.element;[
<!ENTITY % SVG.feDiffuseLighting.content
  "( ( %SVG.feDistantLight.qname; | %SVG.fePointLight.qname;
    | %SVG.feSpotLight.qname; ), ( %SVG.animate.qname; | %SVG.set.qname;
    | %SVG.animateColor.qname; %SVG.feDiffuseLighting.extra.content; )"
>
<!ELEMENT %SVG.feDiffuseLighting.qname; %SVG.feDiffuseLighting.content; >
<!-- end of SVG.feDiffuseLighting.element -->]]>

<!ENTITY % SVG.feDiffuseLighting.attlist "INCLUDE" >
<![%SVG.feDiffuseLighting.attlist;[
<!ATTLIST %SVG.feDiffuseLighting.qname;
  %SVG.Core.attrib;
  %SVG.Style.attrib;
  %SVG.Color.attrib;
  %SVG.FilterColor.attrib;
  %SVG.FilterPrimitiveWithIn.attrib;
  lighting-color %SVGColor.datatype; #IMPLIED
  surfaceScale %Number.datatype; #IMPLIED

```

```

diffuseConstant %Number.datatype; #IMPLIED
kernelUnitLength %NumberOptionalNumber.datatype; #IMPLIED
>
<!-- end of SVG.feDiffuseLighting.attlist -->]]>

<!-- feDisplacementMap: Filter Effect Displacement Map Element -->

<!ENTITY % SVG.feDisplacementMap.extra.content "" >

<!ENTITY % SVG.feDisplacementMap.element "INCLUDE" >
<![%SVG.feDisplacementMap.element;[
<!ENTITY % SVG.feDisplacementMap.content
  "( %SVG.animate.qname; | %SVG.set.qname;
   %SVG.feDisplacementMap.extra.content; )*"
>
<!ELEMENT %SVG.feDisplacementMap.qname; %SVG.feDisplacementMap.content; >
<!-- end of SVG.feDisplacementMap.element -->]]>

<!ENTITY % SVG.feDisplacementMap.attlist "INCLUDE" >
<![%SVG.feDisplacementMap.attlist;[
<!ATTLIST %SVG.feDisplacementMap.qname;
  %SVG.Core.attrib;
  %SVG.FilterColor.attrib;
  %SVG.FilterPrimitiveWithIn.attrib;
  in2 CDATA #REQUIRED
  scale %Number.datatype; #IMPLIED
  xChannelSelector ( R | G | B | A ) 'A'
  yChannelSelector ( R | G | B | A ) 'A'
>
<!-- end of SVG.feDisplacementMap.attlist -->]]>

<!-- feFlood: Filter Effect Flood Element ..... -->

<!ENTITY % SVG.feFlood.extra.content "" >

<!ENTITY % SVG.feFlood.element "INCLUDE" >
<![%SVG.feFlood.element;[
<!ENTITY % SVG.feFlood.content
  "( %SVG.animate.qname; | %SVG.set.qname; | %SVG.animateColor.qname;
   %SVG.feFlood.extra.content; )*"
>
<!ELEMENT %SVG.feFlood.qname; %SVG.feFlood.content; >
<!-- end of SVG.feFlood.element -->]]>

<!ENTITY % SVG.feFlood.attlist "INCLUDE" >
<![%SVG.feFlood.attlist;[
<!ATTLIST %SVG.feFlood.qname;
  %SVG.Core.attrib;

```

```

%SVG.Style.attrib;
%SVG.Color.attrib;
%SVG.FilterColor.attrib;
%SVG.FilterPrimitiveWithIn.attrib;
flood-color %SVGColor.datatype; #IMPLIED
flood-opacity %OpacityValue.datatype; #IMPLIED
>
<!-- end of SVG.feFlood.attlist -->]]>

<!-- feGaussianBlur: Filter Effect Gaussian Blur Element -->

<!ENTITY % SVG.feGaussianBlur.extra.content "" >

<!ENTITY % SVG.feGaussianBlur.element "INCLUDE" >
<![%SVG.feGaussianBlur.element;[
<!ENTITY % SVG.feGaussianBlur.content
    "( %SVG.animate.qname; | %SVG.set.qname;
    %SVG.feGaussianBlur.extra.content; )*"
>
<!ELEMENT %SVG.feGaussianBlur.qname; %SVG.feGaussianBlur.content; >
<!-- end of SVG.feGaussianBlur.element -->]]>

<!ENTITY % SVG.feGaussianBlur.attlist "INCLUDE" >
<![%SVG.feGaussianBlur.attlist;[
<!ATTLIST %SVG.feGaussianBlur.qname;
    %SVG.Core.attrib;
    %SVG.FilterColor.attrib;
    %SVG.FilterPrimitiveWithIn.attrib;
    stdDeviation %NumberOptionalNumber.datatype; #IMPLIED
>
<!-- end of SVG.feGaussianBlur.attlist -->]]>

<!-- feImage: Filter Effect Image Element ..... -->

<!ENTITY % SVG.feImage.extra.content "" >

<!ENTITY % SVG.feImage.element "INCLUDE" >
<![%SVG.feImage.element;[
<!ENTITY % SVG.feImage.content
    "( %SVG.animate.qname; | %SVG.set.qname; | %SVG.animateTransform.qname;
    %SVG.feImage.extra.content; )*"
>
<!ELEMENT %SVG.feImage.qname; %SVG.feImage.content; >
<!-- end of SVG.feImage.element -->]]>

<!ENTITY % SVG.feImage.attlist "INCLUDE" >
<![%SVG.feImage.attlist;[
<!ATTLIST %SVG.feImage.qname;

```

```

%SVG.Core.attrib;
%SVG.Style.attrib;
%SVG.Presentation.attrib;
%SVG.FilterPrimitive.attrib;
%SVG.XLinkEmbed.attrib;
%SVG.External.attrib;
preserveAspectRatio %PreserveAspectRatioSpec.datatype; 'xMidYMid meet'
>
<!-- end of SVG.feImage.attlist -->]]>

<!-- feMerge: Filter Effect Merge Element ..... -->

<!ENTITY % SVG.feMerge.extra.content "" >

<!ENTITY % SVG.feMerge.element "INCLUDE" >
<![%SVG.feMerge.element;[
<!ENTITY % SVG.feMerge.content
  "( %SVG.feMergeNode.qname; %SVG.feMerge.extra.content; )"
>
<!ELEMENT %SVG.feMerge.qname; %SVG.feMerge.content; >
<!-- end of SVG.feMerge.element -->]]>

<!ENTITY % SVG.feMerge.attlist "INCLUDE" >
<![%SVG.feMerge.attlist;[
<!ATTLIST %SVG.feMerge.qname;
  %SVG.Core.attrib;
  %SVG.FilterColor.attrib;
  %SVG.FilterPrimitive.attrib;
>
<!-- end of SVG.feMerge.attlist -->]]>

<!-- feMergeNode: Filter Effect Merge Node Element ..... -->

<!ENTITY % SVG.feMergeNode.extra.content "" >

<!ENTITY % SVG.feMergeNode.element "INCLUDE" >
<![%SVG.feMergeNode.element;[
<!ENTITY % SVG.feMergeNode.content
  "( %SVG.animate.qname; | %SVG.set.qname; %SVG.feMergeNode.extra.content; )"
>
<!ELEMENT %SVG.feMergeNode.qname; %SVG.feMergeNode.content; >
<!-- end of SVG.feMergeNode.element -->]]>

<!ENTITY % SVG.feMergeNode.attlist "INCLUDE" >
<![%SVG.feMergeNode.attlist;[
<!ATTLIST %SVG.feMergeNode.qname;
  %SVG.Core.attrib;
  in CDATA #IMPLIED

```

```

>
<!-- end of SVG.feMergeNode.attlist -->]]>

<!-- feMorphology: Filter Effect Morphology Element .... -->

<!ENTITY % SVG.feMorphology.extra.content "" >

<!ENTITY % SVG.feMorphology.element "INCLUDE" >
<![%SVG.feMorphology.element;[
<!ENTITY % SVG.feMorphology.content
    "( %SVG.animate.qname; | %SVG.set.qname;
    %SVG.feMorphology.extra.content; )*"
>
<!ELEMENT %SVG.feMorphology.qname; %SVG.feMorphology.content; >
<!-- end of SVG.feMorphology.element -->]]>

<!ENTITY % SVG.feMorphology.attlist "INCLUDE" >
<![%SVG.feMorphology.attlist;[
<!ATTLIST %SVG.feMorphology.qname;
    %SVG.Core.attrib;
    %SVG.FilterColor.attrib;
    %SVG.FilterPrimitiveWithIn.attrib;
    operator ( erode | dilate ) 'erode'
    radius %NumberOptionalNumber.datatype; #IMPLIED
>
<!-- end of SVG.feMorphology.attlist -->]]>

<!-- feOffset: Filter Effect Offset Element ..... -->

<!ENTITY % SVG.feOffset.extra.content "" >

<!ENTITY % SVG.feOffset.element "INCLUDE" >
<![%SVG.feOffset.element;[
<!ENTITY % SVG.feOffset.content
    "( %SVG.animate.qname; | %SVG.set.qname; %SVG.feOffset.extra.content; )*"
>
<!ELEMENT %SVG.feOffset.qname; %SVG.feOffset.content; >
<!-- end of SVG.feOffset.element -->]]>

<!ENTITY % SVG.feOffset.attlist "INCLUDE" >
<![%SVG.feOffset.attlist;[
<!ATTLIST %SVG.feOffset.qname;
    %SVG.Core.attrib;
    %SVG.FilterColor.attrib;
    %SVG.FilterPrimitiveWithIn.attrib;
    dx %Number.datatype; #IMPLIED
    dy %Number.datatype; #IMPLIED
>

```



```

<!-- end of SVG.feOffset.attlist -->]]>

<!-- feSpecularLighting: Filter Effect Specular Lighting Element -->

<!ENTITY % SVG.feSpecularLighting.extra.content "" >

<!ENTITY % SVG.feSpecularLighting.element "INCLUDE" >
<![%SVG.feSpecularLighting.element;[
<!ENTITY % SVG.feSpecularLighting.content
  "(( %SVG.feDistantLight.qname; | %SVG.fePointLight.qname;
    | %SVG.feSpotLight.qname; ), ( %SVG.animate.qname; | %SVG.set.qname;
    | %SVG.animateColor.qname; %SVG.feSpecularLighting.extra.content; )*)"
>
<!ELEMENT %SVG.feSpecularLighting.qname; %SVG.feSpecularLighting.content; >
<!-- end of SVG.feSpecularLighting.element -->]]>

<!ENTITY % SVG.feSpecularLighting.attlist "INCLUDE" >
<![%SVG.feSpecularLighting.attlist;[
<!ATTLIST %SVG.feSpecularLighting.qname;
  %SVG.Core.attrib;
  %SVG.Style.attrib;
  %SVG.Color.attrib;
  %SVG.FilterColor.attrib;
  %SVG.FilterPrimitiveWithIn.attrib;
  lighting-color %SVGColor.datatype; #IMPLIED
  surfaceScale %Number.datatype; #IMPLIED
  specularConstant %Number.datatype; #IMPLIED
  specularExponent %Number.datatype; #IMPLIED
  kernelUnitLength %NumberOptionalNumber.datatype; #IMPLIED
>
<!-- end of SVG.feSpecularLighting.attlist -->]]>

<!-- feTile: Filter Effect Tile Element ..... -->

<!ENTITY % SVG.feTile.extra.content "" >

<!ENTITY % SVG.feTile.element "INCLUDE" >
<![%SVG.feTile.element;[
<!ENTITY % SVG.feTile.content
  "( %SVG.animate.qname; | %SVG.set.qname; %SVG.feTile.extra.content; )"
>
<!ELEMENT %SVG.feTile.qname; %SVG.feTile.content; >
<!-- end of SVG.feTile.element -->]]>

<!ENTITY % SVG.feTile.attlist "INCLUDE" >
<![%SVG.feTile.attlist;[
<!ATTLIST %SVG.feTile.qname;
  %SVG.Core.attrib;

```

```

    %SVG.FilterColor.attrib;
    %SVG.FilterPrimitiveWithIn.attrib;
>
<!-- end of SVG.feTile.attlist -->]]>

<!-- feTurbulence: Filter Effect Turbulence Element .... -->

<!ENTITY % SVG.feTurbulence.extra.content "" >

<!ENTITY % SVG.feTurbulence.element "INCLUDE" >
<![%SVG.feTurbulence.element;[
<!ENTITY % SVG.feTurbulence.content
    "( %SVG.animate.qname; | %SVG.set.qname;
    %SVG.feTurbulence.extra.content; )*"
>
<!ELEMENT %SVG.feTurbulence.qname; %SVG.feTurbulence.content; >
<!-- end of SVG.feTurbulence.element -->]]>

<!ENTITY % SVG.feTurbulence.attlist "INCLUDE" >
<![%SVG.feTurbulence.attlist;[
<!ATTLIST %SVG.feTurbulence.qname;
    %SVG.Core.attrib;
    %SVG.FilterColor.attrib;
    %SVG.FilterPrimitive.attrib;
    baseFrequency %NumberOptionalNumber.datatype; #IMPLIED
    numOctaves %Integer.datatype; #IMPLIED
    seed %Number.datatype; #IMPLIED
    stitchTiles ( stitch | noStitch ) 'noStitch'
    type ( fractalNoise | turbulence ) 'turbulence'
>
<!-- end of SVG.feTurbulence.attlist -->]]>

<!-- feDistantLight: Filter Effect Distant Light Element -->

<!ENTITY % SVG.feDistantLight.extra.content "" >

<!ENTITY % SVG.feDistantLight.element "INCLUDE" >
<![%SVG.feDistantLight.element;[
<!ENTITY % SVG.feDistantLight.content
    "( %SVG.animate.qname; | %SVG.set.qname;
    %SVG.feDistantLight.extra.content; )*"
>
<!ELEMENT %SVG.feDistantLight.qname; %SVG.feDistantLight.content; >
<!-- end of SVG.feDistantLight.element -->]]>

<!ENTITY % SVG.feDistantLight.attlist "INCLUDE" >
<![%SVG.feDistantLight.attlist;[
<!ATTLIST %SVG.feDistantLight.qname;

```

```

    %SVG.Core.attrib;
    azimuth %Number.datatype; #IMPLIED
    elevation %Number.datatype; #IMPLIED
>
<!-- end of SVG.feDistantLight.attlist -->]]>

<!-- fePointLight: Filter Effect Point Light Element ... -->

<!ENTITY % SVG.fePointLight.extra.content "" >

<!ENTITY % SVG.fePointLight.element "INCLUDE" >
<![%SVG.fePointLight.element;[
<!ENTITY % SVG.fePointLight.content
    "( %SVG.animate.qname; | %SVG.set.qname;
    %SVG.fePointLight.extra.content; )*"
>
<!ELEMENT %SVG.fePointLight.qname; %SVG.fePointLight.content; >
<!-- end of SVG.fePointLight.element -->]]>

<!ENTITY % SVG.fePointLight.attlist "INCLUDE" >
<![%SVG.fePointLight.attlist;[
<!ATTLIST %SVG.fePointLight.qname;
    %SVG.Core.attrib;
    x %Number.datatype; #IMPLIED
    y %Number.datatype; #IMPLIED
    z %Number.datatype; #IMPLIED
>
<!-- end of SVG.fePointLight.attlist -->]]>

<!-- feSpotLight: Filter Effect Spot Light Element ..... -->

<!ENTITY % SVG.feSpotLight.extra.content "" >

<!ENTITY % SVG.feSpotLight.element "INCLUDE" >
<![%SVG.feSpotLight.element;[
<!ENTITY % SVG.feSpotLight.content
    "( %SVG.animate.qname; | %SVG.set.qname; %SVG.feSpotLight.extra.content; )*"
>
<!ELEMENT %SVG.feSpotLight.qname; %SVG.feSpotLight.content; >
<!-- end of SVG.feSpotLight.element -->]]>

<!ENTITY % SVG.feSpotLight.attlist "INCLUDE" >
<![%SVG.feSpotLight.attlist;[
<!ATTLIST %SVG.feSpotLight.qname;
    %SVG.Core.attrib;
    x %Number.datatype; #IMPLIED
    y %Number.datatype; #IMPLIED
    z %Number.datatype; #IMPLIED

```

```

    pointsAtX %Number.datatype; #IMPLIED
    pointsAtY %Number.datatype; #IMPLIED
    pointsAtZ %Number.datatype; #IMPLIED
    specularExponent %Number.datatype; #IMPLIED
    limitingConeAngle %Number.datatype; #IMPLIED
  >
<!-- end of SVG.feSpotLight.attlist -->]]>

<!-- feFuncR: Filter Effect Function Red Element ..... -->

<!ENTITY % SVG.feFuncR.extra.content "" >

<!ENTITY % SVG.feFuncR.element "INCLUDE" >
<![%SVG.feFuncR.element;[
<!ENTITY % SVG.feFuncR.content
  "( %SVG.animate.qname; | %SVG.set.qname; %SVG.feFuncR.extra.content; )*"
>
<!ELEMENT %SVG.feFuncR.qname; %SVG.feFuncR.content; >
<!-- end of SVG.feFuncR.element -->]]>

<!ENTITY % SVG.feFuncR.attlist "INCLUDE" >
<![%SVG.feFuncR.attlist;[
<!ATTLIST %SVG.feFuncR.qname;
  %SVG.Core.attrib;
  type ( identity | table | discrete | linear | gamma ) #REQUIRED
  tableValues CDATA #IMPLIED
  slope %Number.datatype; #IMPLIED
  intercept %Number.datatype; #IMPLIED
  amplitude %Number.datatype; #IMPLIED
  exponent %Number.datatype; #IMPLIED
  offset %Number.datatype; #IMPLIED
>
<!-- end of SVG.feFuncR.attlist -->]]>

<!-- feFuncG: Filter Effect Function Green Element ..... -->

<!ENTITY % SVG.feFuncG.extra.content "" >

<!ENTITY % SVG.feFuncG.element "INCLUDE" >
<![%SVG.feFuncG.element;[
<!ENTITY % SVG.feFuncG.content
  "( %SVG.animate.qname; | %SVG.set.qname; %SVG.feFuncG.extra.content; )*"
>
<!ELEMENT %SVG.feFuncG.qname; %SVG.feFuncG.content; >
<!-- end of SVG.feFuncG.element -->]]>

<!ENTITY % SVG.feFuncG.attlist "INCLUDE" >
<![%SVG.feFuncG.attlist;[

```

```

<!ATTLIST %SVG.feFuncG.qname;
  %SVG.Core.attrib;
  type ( identity | table | discrete | linear | gamma ) #REQUIRED
  tableValues CDATA #IMPLIED
  slope %Number.datatype; #IMPLIED
  intercept %Number.datatype; #IMPLIED
  amplitude %Number.datatype; #IMPLIED
  exponent %Number.datatype; #IMPLIED
  offset %Number.datatype; #IMPLIED
>
<!-- end of SVG.feFuncG.attlist -->]]>

<!-- feFuncB: Filter Effect Function Blue Element ..... -->

<!ENTITY % SVG.feFuncB.extra.content "" >

<!ENTITY % SVG.feFuncB.element "INCLUDE" >
<![%SVG.feFuncB.element;[
<!ENTITY % SVG.feFuncB.content
  "( %SVG.animate.qname; | %SVG.set.qname; %SVG.feFuncB.extra.content; )*"
>
<!ELEMENT %SVG.feFuncB.qname; %SVG.feFuncB.content; >
<!-- end of SVG.feFuncB.element -->]]>

<!ENTITY % SVG.feFuncB.attlist "INCLUDE" >
<![%SVG.feFuncB.attlist;[
<!ATTLIST %SVG.feFuncB.qname;
  %SVG.Core.attrib;
  type ( identity | table | discrete | linear | gamma ) #REQUIRED
  tableValues CDATA #IMPLIED
  slope %Number.datatype; #IMPLIED
  intercept %Number.datatype; #IMPLIED
  amplitude %Number.datatype; #IMPLIED
  exponent %Number.datatype; #IMPLIED
  offset %Number.datatype; #IMPLIED
>
<!-- end of SVG.feFuncB.attlist -->]]>

<!-- feFuncA: Filter Effect Function Alpha Element ..... -->

<!ENTITY % SVG.feFuncA.extra.content "" >

<!ENTITY % SVG.feFuncA.element "INCLUDE" >
<![%SVG.feFuncA.element;[
<!ENTITY % SVG.feFuncA.content
  "( %SVG.animate.qname; | %SVG.set.qname; %SVG.feFuncA.extra.content; )*"
>
<!ELEMENT %SVG.feFuncA.qname; %SVG.feFuncA.content; >

```

<!-- end of SVG.feFuncA.element -->]]>

```
<!ENTITY % SVG.feFuncA.attlist "INCLUDE" >
<![%SVG.feFuncA.attlist;[
<!ATTLIST %SVG.feFuncA.qname;
  %SVG.Core.attrib;
  type ( identity | table | discrete | linear | gamma ) #REQUIRED
  tableValues CDATA #IMPLIED
  slope %Number.datatype; #IMPLIED
  intercept %Number.datatype; #IMPLIED
  amplitude %Number.datatype; #IMPLIED
  exponent %Number.datatype; #IMPLIED
  offset %Number.datatype; #IMPLIED
>
<!-- end of SVG.feFuncA.attlist -->]]>
```

<!-- end of svg-filter.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/svg11/svg-filter.mod

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- SVG 1.1 Basic Text Module ..... -->
<!-- file: svg-basic-text.mod
```

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-basic-text.mod,v 1.4 2002/11/13 20:14:30 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS SVG 1.1 Basic Text//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-basic-text.mod"
```

```
..... -->
```

<!-- Basic Text

text

This module declares markup to provide support for text.

-->

```
<!-- 'font-family' property/attribute value (i.e., list of fonts) -->
<!ENTITY % FontFamilyValue.datatype "CDATA" >
```

```

<!-- 'font-size' property/attribute value -->
<!ENTITY % FontSizeValue.datatype "CDATA" >

<!-- Qualified Names (Default) ..... -->

<!ENTITY % SVG.text.qname "text" >

<!-- Attribute Collections (Default) ..... -->

<!ENTITY % SVG.Core.attrib "" >
<!ENTITY % SVG.Conditional.attrib "" >
<!ENTITY % SVG.Style.attrib "" >
<!ENTITY % SVG.Paint.attrib "" >
<!ENTITY % SVG.Color.attrib "" >
<!ENTITY % SVG.Opacity.attrib "" >
<!ENTITY % SVG.Graphics.attrib "" >
<!ENTITY % SVG.Clip.attrib "" >
<!ENTITY % SVG.Mask.attrib "" >
<!ENTITY % SVG.Filter.attrib "" >
<!ENTITY % SVG.GraphicalEvents.attrib "" >
<!ENTITY % SVG.Cursor.attrib "" >
<!ENTITY % SVG.External.attrib "" >

<!-- SVG.Text.class ..... -->

<!ENTITY % SVG.Text.extra.class "" >

<!ENTITY % SVG.Text.class
  "| %SVG.text.qname; %SVG.Text.extra.class;"
>

<!-- SVG.TextContent.attrib ..... -->

<!ENTITY % SVG.TextContent.extra.attrib "" >

<!ENTITY % SVG.TextContent.attrib
  "text-anchor ( start | middle | end | inherit ) #IMPLIED
  %SVG.TextContent.extra.attrib;"
>

<!-- SVG.Font.attrib ..... -->

<!ENTITY % SVG.Font.extra.attrib "" >

<!ENTITY % SVG.Font.attrib
  "font-family %FontFamilyValue.datatype; #IMPLIED
  font-size %FontSizeValue.datatype; #IMPLIED
  font-style ( normal | italic | oblique | inherit ) #IMPLIED

```

```

font-weight ( normal | bold | bolder | lighter | 100 | 200 | 300 | 400 |
500 | 600 | 700 | 800 | 900 | inherit ) #IMPLIED
%SVG.Font.extra.attrib;"
>

<!-- text: Text Element ..... -->

<!ENTITY % SVG.text.extra.content "" >

<!ENTITY % SVG.text.element "INCLUDE" >
<![%SVG.text.element;[
<!ENTITY % SVG.text.content
"( #PCDATA | %SVG.Description.class; | %SVG.Animation.class;
%SVG.Hyperlink.class; %SVG.text.extra.content; )*"
>
<!ELEMENT %SVG.text.qname; %SVG.text.content; >
<!-- end of SVG.text.element -->]]>

<!ENTITY % SVG.text.attlist "INCLUDE" >
<![%SVG.text.attlist;[
<!ATTLIST %SVG.text.qname;
%SVG.Core.attrib;
%SVG.Conditional.attrib;
%SVG.Style.attrib;
%SVG.TextContent.attrib;
%SVG.Font.attrib;
%SVG.Paint.attrib;
%SVG.Color.attrib;
%SVG.Opacity.attrib;
%SVG.Graphics.attrib;
%SVG.Clip.attrib;
%SVG.Mask.attrib;
%SVG.Filter.attrib;
%SVG.GraphicalEvents.attrib;
%SVG.Cursor.attrib;
%SVG.External.attrib;
x %Coordinates.datatype; #IMPLIED
y %Coordinates.datatype; #IMPLIED
rotate %Numbers.datatype; #IMPLIED
transform %TransformList.datatype; #IMPLIED
>
<!-- end of SVG.text.attlist -->]]>

<!-- end of svg-basic-text.mod -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-basic-text.mod

```


No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- SVG 1.1 Basic Filter Module ..... -->
<!-- file: svg-basic-filter.mod
```

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-basic-filter.mod,v 1.4 2002/11/14 15:11:02 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS SVG 1.1 Basic Filter//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-basic-filter.mod"
```

```
..... -->
```

```
<!-- Basic Filter
```

```
filter, feBlend, feColorMatrix, feComponentTransfer, feComposite,
feFlood, feGaussianBlur, feImage, feMerge, feMergeNode, feOffset,
feTile, feFuncR, feFuncG, feFuncB, feFuncA
```

This module declares markup to provide support for filter effect.

```
-->
```

```
<!-- 'filter' property/attribute value (e.g., 'none', <uri>) -->
<!ENTITY % FilterValue.datatype "CDATA" >
```

```
<!-- list of <number>s, but at least one and at most two -->
<!ENTITY % NumberOptionalNumber.datatype "CDATA" >
```

```
<!-- Qualified Names (Default) ..... -->
```

```
<!ENTITY % SVG.filter.qname "filter" >
<!ENTITY % SVG.feBlend.qname "feBlend" >
<!ENTITY % SVG.feColorMatrix.qname "feColorMatrix" >
<!ENTITY % SVG.feComponentTransfer.qname "feComponentTransfer" >
<!ENTITY % SVG.feComposite.qname "feComposite" >
<!ENTITY % SVG.feFlood.qname "feFlood" >
<!ENTITY % SVG.feGaussianBlur.qname "feGaussianBlur" >
<!ENTITY % SVG.feImage.qname "feImage" >
<!ENTITY % SVG.feMerge.qname "feMerge" >
<!ENTITY % SVG.feMergeNode.qname "feMergeNode" >
<!ENTITY % SVG.feOffset.qname "feOffset" >
<!ENTITY % SVG.feTile.qname "feTile" >
<!ENTITY % SVG.feFuncR.qname "feFuncR" >
<!ENTITY % SVG.feFuncG.qname "feFuncG" >
```

<!ENTITY % SVG.feFuncB.qname "feFuncB" >

<!ENTITY % SVG.feFuncA.qname "feFuncA" >

<!-- Attribute Collections (Default) -->

<!ENTITY % SVG.Core.attrib "" >

<!ENTITY % SVG.Container.attrib "" >

<!ENTITY % SVG.Style.attrib "" >

<!ENTITY % SVG.Viewport.attrib "" >

<!ENTITY % SVG.Text.attrib "" >

<!ENTITY % SVG.TextContent.attrib "" >

<!ENTITY % SVG.Font.attrib "" >

<!ENTITY % SVG.Paint.attrib "" >

<!ENTITY % SVG.Color.attrib "" >

<!ENTITY % SVG.Opacity.attrib "" >

<!ENTITY % SVG.Graphics.attrib "" >

<!ENTITY % SVG.Marker.attrib "" >

<!ENTITY % SVG.ColorProfile.attrib "" >

<!ENTITY % SVG.Gradient.attrib "" >

<!ENTITY % SVG.Clip.attrib "" >

<!ENTITY % SVG.Mask.attrib "" >

<!ENTITY % SVG.Cursor.attrib "" >

<!ENTITY % SVG.XLink.attrib "" >

<!ENTITY % SVG.XLinkEmbed.attrib "" >

<!ENTITY % SVG.External.attrib "" >

<!-- SVG.Filter.class -->

<!ENTITY % SVG.Filter.extra.class "" >

<!ENTITY % SVG.Filter.class

"| %SVG.filter.qname; %SVG.Filter.extra.class;"

>

<!-- SVG.FilterPrimitive.class -->

<!ENTITY % SVG.FilterPrimitive.extra.class "" >

<!ENTITY % SVG.FilterPrimitive.class

"| %SVG.feBlend.qname; | %SVG.feColorMatrix.qname;

| %SVG.feComponentTransfer.qname; | %SVG.feComposite.qname;

| %SVG.feFlood.qname; | %SVG.feGaussianBlur.qname; | %SVG.feImage.qname;

| %SVG.feMerge.qname; | %SVG.feOffset.qname; | %SVG.feTile.qname;

%SVG.FilterPrimitive.extra.class;"

>

<!-- SVG.Filter.attrib -->

```

<!ENTITY % SVG.Filter.extra.attrib "" >

<!ENTITY % SVG.Filter.attrib
  "filter %FilterValue.datatype; #IMPLIED
  %SVG.Filter.extra.attrib;"
>

<!-- SVG.FilterColor.attrib ..... -->

<!ENTITY % SVG.FilterColor.extra.attrib "" >

<!ENTITY % SVG.FilterColor.attrib
  "color-interpolation-filters ( auto | sRGB | linearRGB | inherit )
  #IMPLIED
  %SVG.FilterColor.extra.attrib;"
>

<!-- SVG.FilterPrimitive.attrib ..... -->

<!ENTITY % SVG.FilterPrimitive.extra.attrib "" >

<!ENTITY % SVG.FilterPrimitive.attrib
  "x %Coordinate.datatype; #IMPLIED
  y %Coordinate.datatype; #IMPLIED
  width %Length.datatype; #IMPLIED
  height %Length.datatype; #IMPLIED
  result CDATA #IMPLIED
  %SVG.FilterPrimitive.extra.attrib;"
>

<!-- SVG.FilterPrimitiveWithIn.attrib ..... -->

<!ENTITY % SVG.FilterPrimitiveWithIn.extra.attrib "" >

<!ENTITY % SVG.FilterPrimitiveWithIn.attrib
  "%SVG.FilterPrimitive.attrib;
  in CDATA #IMPLIED
  %SVG.FilterPrimitiveWithIn.extra.attrib;"
>

<!-- SVG.Presentation.attrib ..... -->

<!ENTITY % SVG.Presentation.extra.attrib "" >

<!ENTITY % SVG.Presentation.attrib
  "%SVG.Container.attrib;
  %SVG.Viewport.attrib;
  %SVG.Text.attrib;

```

```

%SVG.TextContent.attrib;
%SVG.Font.attrib;
%SVG.Paint.attrib;
%SVG.Color.attrib;
%SVG.Opacity.attrib;
%SVG.Graphics.attrib;
%SVG.Marker.attrib;
%SVG.ColorProfile.attrib;
%SVG.Gradient.attrib;
%SVG.Clip.attrib;
%SVG.Mask.attrib;
%SVG.Filter.attrib;
%SVG.FilterColor.attrib;
%SVG.Cursor.attrib;
flood-color %SVGColor.datatype; #IMPLIED
flood-opacity %OpacityValue.datatype; #IMPLIED
lighting-color %SVGColor.datatype; #IMPLIED
%SVG.Presentation.extra.attrib;"
>

<!-- filter: Filter Element ..... -->

<!ENTITY % SVG.filter.extra.content "" >

<!ENTITY % SVG.filter.element "INCLUDE" >
<![%SVG.filter.element;[
<!ENTITY % SVG.filter.content
  "( (%SVG.Description.class;)*, ( %SVG.animate.qname; | %SVG.set.qname;
    %SVG.FilterPrimitive.class; %SVG.filter.extra.content; )*)"
>
<!ELEMENT %SVG.filter.qname; %SVG.filter.content; >
<!-- end of SVG.filter.element -->]]>

<!ENTITY % SVG.filter.attlist "INCLUDE" >
<![%SVG.filter.attlist;[
<!ATTLIST %SVG.filter.qname;
  %SVG.Core.attrib;
  %SVG.Style.attrib;
  %SVG.Presentation.attrib;
  %SVG.XLink.attrib;
  %SVG.External.attrib;
  x %Coordinate.datatype; #IMPLIED
  y %Coordinate.datatype; #IMPLIED
  width %Length.datatype; #IMPLIED
  height %Length.datatype; #IMPLIED
  filterRes %NumberOptionalNumber.datatype; #IMPLIED
  filterUnits ( userSpaceOnUse | objectBoundingBox ) #IMPLIED
  primitiveUnits ( userSpaceOnUse | objectBoundingBox ) #IMPLIED

```

```

>
<!-- end of SVG.filter.attlist -->]]>

<!-- feBlend: Filter Effect Blend Element ..... -->

<!ENTITY % SVG.feBlend.extra.content "" >

<!ENTITY % SVG.feBlend.element "INCLUDE" >
<![%SVG.feBlend.element;[
<!ENTITY % SVG.feBlend.content
    "( %SVG.animate.qname; | %SVG.set.qname; %SVG.feBlend.extra.content; )*"
>
<!ELEMENT %SVG.feBlend.qname; %SVG.feBlend.content; >
<!-- end of SVG.feBlend.element -->]]>

<!ENTITY % SVG.feBlend.attlist "INCLUDE" >
<![%SVG.feBlend.attlist;[
<!ATTLIST %SVG.feBlend.qname;
    %SVG.Core.attrib;
    %SVG.FilterColor.attrib;
    %SVG.FilterPrimitiveWithIn.attrib;
    in2 CDATA #REQUIRED
    mode ( normal | multiply | screen | darken | lighten ) 'normal'
>
<!-- end of SVG.feBlend.attlist -->]]>

<!-- feColorMatrix: Filter Effect Color Matrix Element . -->

<!ENTITY % SVG.feColorMatrix.extra.content "" >

<!ENTITY % SVG.feColorMatrix.element "INCLUDE" >
<![%SVG.feColorMatrix.element;[
<!ENTITY % SVG.feColorMatrix.content
    "( %SVG.animate.qname; | %SVG.set.qname;
    %SVG.feColorMatrix.extra.content; )*"
>
<!ELEMENT %SVG.feColorMatrix.qname; %SVG.feColorMatrix.content; >
<!-- end of SVG.feColorMatrix.element -->]]>

<!ENTITY % SVG.feColorMatrix.attlist "INCLUDE" >
<![%SVG.feColorMatrix.attlist;[
<!ATTLIST %SVG.feColorMatrix.qname;
    %SVG.Core.attrib;
    %SVG.FilterColor.attrib;
    %SVG.FilterPrimitiveWithIn.attrib;
    type ( matrix | saturate | hueRotate | luminanceToAlpha ) 'matrix'
    values CDATA #IMPLIED
>

```

```

<!-- end of SVG.feColorMatrix.attlist -->]]>

<!-- feComponentTransfer: Filter Effect Component Transfer Element -->

<!ENTITY % SVG.feComponentTransfer.extra.content "" >

<!ENTITY % SVG.feComponentTransfer.element "INCLUDE" >
<![%SVG.feComponentTransfer.element;[
<!ENTITY % SVG.feComponentTransfer.content
  "( %SVG.feFuncR.qname;?, %SVG.feFuncG.qname;?, %SVG.feFuncB.qname;?,
    %SVG.feFuncA.qname;? %SVG.feComponentTransfer.extra.content; )"
>
<!ELEMENT %SVG.feComponentTransfer.qname; %SVG.feComponentTransfer.content; >
<!-- end of SVG.feComponentTransfer.element -->]]>

<!ENTITY % SVG.feComponentTransfer.attlist "INCLUDE" >
<![%SVG.feComponentTransfer.attlist;[
<!ATTLIST %SVG.feComponentTransfer.qname;
  %SVG.Core.attrib;
  %SVG.FilterColor.attrib;
  %SVG.FilterPrimitiveWithIn.attrib;
>
<!-- end of SVG.feComponentTransfer.attlist -->]]>

<!-- feComposite: Filter Effect Composite Element ..... -->

<!ENTITY % SVG.feComposite.extra.content "" >

<!ENTITY % SVG.feComposite.element "INCLUDE" >
<![%SVG.feComposite.element;[
<!ENTITY % SVG.feComposite.content
  "( %SVG.animate.qname; | %SVG.set.qname; %SVG.feComposite.extra.content; )*"
>
<!ELEMENT %SVG.feComposite.qname; %SVG.feComposite.content; >
<!-- end of SVG.feComposite.element -->]]>

<!ENTITY % SVG.feComposite.attlist "INCLUDE" >
<![%SVG.feComposite.attlist;[
<!ATTLIST %SVG.feComposite.qname;
  %SVG.Core.attrib;
  %SVG.FilterColor.attrib;
  %SVG.FilterPrimitiveWithIn.attrib;
in2 CDATA #REQUIRED
operator ( over | in | out | atop | xor | arithmetic ) 'over'
k1 %Number.datatype; #IMPLIED
k2 %Number.datatype; #IMPLIED
k3 %Number.datatype; #IMPLIED
k4 %Number.datatype; #IMPLIED

```

```

>
<!-- end of SVG.feComposite.attlist -->]]>

<!-- feFlood: Filter Effect Flood Element ..... -->

<!ENTITY % SVG.feFlood.extra.content "" >

<!ENTITY % SVG.feFlood.element "INCLUDE" >
<![%SVG.feFlood.element;[
<!ENTITY % SVG.feFlood.content
  "( %SVG.animate.qname; | %SVG.set.qname; | %SVG.animateColor.qname;
   %SVG.feFlood.extra.content; )*"
>
<!ELEMENT %SVG.feFlood.qname; %SVG.feFlood.content; >
<!-- end of SVG.feFlood.element -->]]>

<!ENTITY % SVG.feFlood.attlist "INCLUDE" >
<![%SVG.feFlood.attlist;[
<!ATTLIST %SVG.feFlood.qname;
  %SVG.Core.attrib;
  %SVG.Style.attrib;
  %SVG.Color.attrib;
  %SVG.FilterColor.attrib;
  %SVG.FilterPrimitiveWithIn.attrib;
  flood-color %SVGColor.datatype; #IMPLIED
  flood-opacity %OpacityValue.datatype; #IMPLIED
>
<!-- end of SVG.feFlood.attlist -->]]>

<!-- feGaussianBlur: Filter Effect Gaussian Blur Element -->

<!ENTITY % SVG.feGaussianBlur.extra.content "" >

<!ENTITY % SVG.feGaussianBlur.element "INCLUDE" >
<![%SVG.feGaussianBlur.element;[
<!ENTITY % SVG.feGaussianBlur.content
  "( %SVG.animate.qname; | %SVG.set.qname;
   %SVG.feGaussianBlur.extra.content; )*"
>
<!ELEMENT %SVG.feGaussianBlur.qname; %SVG.feGaussianBlur.content; >
<!-- end of SVG.feGaussianBlur.element -->]]>

<!ENTITY % SVG.feGaussianBlur.attlist "INCLUDE" >
<![%SVG.feGaussianBlur.attlist;[
<!ATTLIST %SVG.feGaussianBlur.qname;
  %SVG.Core.attrib;
  %SVG.FilterColor.attrib;
  %SVG.FilterPrimitiveWithIn.attrib;

```

```

    stdDeviation %NumberOptionalNumber.datatype; #IMPLIED
  >
<!-- end of SVG.feGaussianBlur.attlist -->]]>

<!-- feImage: Filter Effect Image Element ..... -->

<!ENTITY % SVG.feImage.extra.content "" >

<!ENTITY % SVG.feImage.element "INCLUDE" >
<![%SVG.feImage.element;[
<!ENTITY % SVG.feImage.content
  "( %SVG.animate.qname; | %SVG.set.qname; | %SVG.animateTransform.qname;
   %SVG.feImage.extra.content; )*"
>
<!ELEMENT %SVG.feImage.qname; %SVG.feImage.content; >
<!-- end of SVG.feImage.element -->]]>

<!ENTITY % SVG.feImage.attlist "INCLUDE" >
<![%SVG.feImage.attlist;[
<!ATTLIST %SVG.feImage.qname;
  %SVG.Core.attrib;
  %SVG.Style.attrib;
  %SVG.Presentation.attrib;
  %SVG.FilterPrimitive.attrib;
  %SVG.XLinkEmbed.attrib;
  %SVG.External.attrib;
  preserveAspectRatio %PreserveAspectRatioSpec.datatype; 'xMidYMid meet'
>
<!-- end of SVG.feImage.attlist -->]]>

<!-- feMerge: Filter Effect Merge Element ..... -->

<!ENTITY % SVG.feMerge.extra.content "" >

<!ENTITY % SVG.feMerge.element "INCLUDE" >
<![%SVG.feMerge.element;[
<!ENTITY % SVG.feMerge.content
  "( %SVG.feMergeNode.qname; %SVG.feMerge.extra.content; )*"
>
<!ELEMENT %SVG.feMerge.qname; %SVG.feMerge.content; >
<!-- end of SVG.feMerge.element -->]]>

<!ENTITY % SVG.feMerge.attlist "INCLUDE" >
<![%SVG.feMerge.attlist;[
<!ATTLIST %SVG.feMerge.qname;
  %SVG.Core.attrib;
  %SVG.FilterColor.attrib;
  %SVG.FilterPrimitive.attrib;

```



```

>
<!-- end of SVG.feMerge.attlist -->]]>

<!-- feMergeNode: Filter Effect Merge Node Element ..... -->

<!ENTITY % SVG.feMergeNode.extra.content "" >

<!ENTITY % SVG.feMergeNode.element "INCLUDE" >
<![%SVG.feMergeNode.element;[
<!ENTITY % SVG.feMergeNode.content
    "( %SVG.animate.qname; | %SVG.set.qname; %SVG.feMergeNode.extra.content; )*"
>
<!ELEMENT %SVG.feMergeNode.qname; %SVG.feMergeNode.content; >
<!-- end of SVG.feMergeNode.element -->]]>

<!ENTITY % SVG.feMergeNode.attlist "INCLUDE" >
<![%SVG.feMergeNode.attlist;[
<!ATTLIST %SVG.feMergeNode.qname;
    %SVG.Core.attrib;
    in CDATA #IMPLIED
>
<!-- end of SVG.feMergeNode.attlist -->]]>

<!-- feOffset: Filter Effect Offset Element ..... -->

<!ENTITY % SVG.feOffset.extra.content "" >

<!ENTITY % SVG.feOffset.element "INCLUDE" >
<![%SVG.feOffset.element;[
<!ENTITY % SVG.feOffset.content
    "( %SVG.animate.qname; | %SVG.set.qname; %SVG.feOffset.extra.content; )*"
>
<!ELEMENT %SVG.feOffset.qname; %SVG.feOffset.content; >
<!-- end of SVG.feOffset.element -->]]>

<!ENTITY % SVG.feOffset.attlist "INCLUDE" >
<![%SVG.feOffset.attlist;[
<!ATTLIST %SVG.feOffset.qname;
    %SVG.Core.attrib;
    %SVG.FilterColor.attrib;
    %SVG.FilterPrimitiveWithIn.attrib;
    dx %Number.datatype; #IMPLIED
    dy %Number.datatype; #IMPLIED
>
<!-- end of SVG.feOffset.attlist -->]]>

<!-- feTile: Filter Effect Tile Element ..... -->

```

```

<!ENTITY % SVG.feTile.extra.content "" >

<!ENTITY % SVG.feTile.element "INCLUDE" >
<![%SVG.feTile.element;[
<!ENTITY % SVG.feTile.content
    "( %SVG.animate.qname; | %SVG.set.qname; %SVG.feTile.extra.content; )*"
>
<!ELEMENT %SVG.feTile.qname; %SVG.feTile.content; >
<!-- end of SVG.feTile.element -->]]>

<!ENTITY % SVG.feTile.attlist "INCLUDE" >
<![%SVG.feTile.attlist;[
<!ATTLIST %SVG.feTile.qname;
    %SVG.Core.attrib;
    %SVG.FilterColor.attrib;
    %SVG.FilterPrimitiveWithIn.attrib;
>
<!-- end of SVG.feTile.attlist -->]]>

<!-- feFuncR: Filter Effect Function Red Element ..... -->

<!ENTITY % SVG.feFuncR.extra.content "" >

<!ENTITY % SVG.feFuncR.element "INCLUDE" >
<![%SVG.feFuncR.element;[
<!ENTITY % SVG.feFuncR.content
    "( %SVG.animate.qname; | %SVG.set.qname; %SVG.feFuncR.extra.content; )*"
>
<!ELEMENT %SVG.feFuncR.qname; %SVG.feFuncR.content; >
<!-- end of SVG.feFuncR.element -->]]>

<!ENTITY % SVG.feFuncR.attlist "INCLUDE" >
<![%SVG.feFuncR.attlist;[
<!ATTLIST %SVG.feFuncR.qname;
    %SVG.Core.attrib;
    type ( identity | table | discrete | linear | gamma ) #REQUIRED
    tableValues CDATA #IMPLIED
    slope %Number.datatype; #IMPLIED
    intercept %Number.datatype; #IMPLIED
    amplitude %Number.datatype; #IMPLIED
    exponent %Number.datatype; #IMPLIED
    offset %Number.datatype; #IMPLIED
>
<!-- end of SVG.feFuncR.attlist -->]]>

<!-- feFuncG: Filter Effect Function Green Element ..... -->

<!ENTITY % SVG.feFuncG.extra.content "" >

```

```

<!ENTITY % SVG.feFuncG.element "INCLUDE" >
<![%SVG.feFuncG.element;[
<!ENTITY % SVG.feFuncG.content
    "( %SVG.animate.qname; | %SVG.set.qname; %SVG.feFuncG.extra.content; )*"
>
<!ELEMENT %SVG.feFuncG.qname; %SVG.feFuncG.content; >
<!-- end of SVG.feFuncG.element -->]]>

```

```

<!ENTITY % SVG.feFuncG.attlist "INCLUDE" >
<![%SVG.feFuncG.attlist;[
<!ATTLIST %SVG.feFuncG.qname;
    %SVG.Core.attrib;
    type ( identity | table | discrete | linear | gamma ) #REQUIRED
    tableValues CDATA #IMPLIED
    slope %Number.datatype; #IMPLIED
    intercept %Number.datatype; #IMPLIED
    amplitude %Number.datatype; #IMPLIED
    exponent %Number.datatype; #IMPLIED
    offset %Number.datatype; #IMPLIED
>
<!-- end of SVG.feFuncG.attlist -->]]>

```

```

<!-- feFuncB: Filter Effect Function Blue Element ..... -->

```

```

<!ENTITY % SVG.feFuncB.extra.content "" >

```

```

<!ENTITY % SVG.feFuncB.element "INCLUDE" >
<![%SVG.feFuncB.element;[
<!ENTITY % SVG.feFuncB.content
    "( %SVG.animate.qname; | %SVG.set.qname; %SVG.feFuncB.extra.content; )*"
>
<!ELEMENT %SVG.feFuncB.qname; %SVG.feFuncB.content; >
<!-- end of SVG.feFuncB.element -->]]>

```

```

<!ENTITY % SVG.feFuncB.attlist "INCLUDE" >
<![%SVG.feFuncB.attlist;[
<!ATTLIST %SVG.feFuncB.qname;
    %SVG.Core.attrib;
    type ( identity | table | discrete | linear | gamma ) #REQUIRED
    tableValues CDATA #IMPLIED
    slope %Number.datatype; #IMPLIED
    intercept %Number.datatype; #IMPLIED
    amplitude %Number.datatype; #IMPLIED
    exponent %Number.datatype; #IMPLIED
    offset %Number.datatype; #IMPLIED
>
<!-- end of SVG.feFuncB.attlist -->]]>

```

```

<!-- feFuncA: Filter Effect Function Alpha Element ..... -->

<!ENTITY % SVG.feFuncA.extra.content "" >

<!ENTITY % SVG.feFuncA.element "INCLUDE" >
<![%SVG.feFuncA.element;[
<!ENTITY % SVG.feFuncA.content
    "( %SVG.animate.qname; | %SVG.set.qname; %SVG.feFuncA.extra.content; )*"
>
<!ELEMENT %SVG.feFuncA.qname; %SVG.feFuncA.content; >
<!-- end of SVG.feFuncA.element -->]]>

<!ENTITY % SVG.feFuncA.attlist "INCLUDE" >
<![%SVG.feFuncA.attlist;[
<!ATTLIST %SVG.feFuncA.qname;
    %SVG.Core.attrib;
    type ( identity | table | discrete | linear | gamma ) #REQUIRED
    tableValues CDATA #IMPLIED
    slope %Number.datatype; #IMPLIED
    intercept %Number.datatype; #IMPLIED
    amplitude %Number.datatype; #IMPLIED
    exponent %Number.datatype; #IMPLIED
    offset %Number.datatype; #IMPLIED
>
<!-- end of SVG.feFuncA.attlist -->]]>

<!-- end of svg-basic-filter.mod -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-basic-filter.mod

```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- XHTML Structure Module ..... -->
<!-- file: xhtml-struct-1.mod

```

This is XHTML, a reformulation of HTML as a modular XML application.
 Copyright 1998-2000 W3C (MIT, INRIA, Keio), All Rights Reserved.
 Revision: \$Id: xhtml-struct-1.mod,v 1.1 2001/02/13 12:24:22 ht Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```

PUBLIC "-//W3C//ELEMENTS XHTML Document Structure 1.0//EN"
SYSTEM "http://www.w3.org/TR/xhtml-modulization/DTD/xhtml-struct-1.mod"

```

Revisions:

(none)

..... -->

<!-- Document Structure

title, head, body, html

The Structure Module defines the major structural elements and their attributes.

Note that the content model of the head element type is redeclared when the Base Module is included in the DTD.

The parameter entity containing the XML namespace URI value used for XHTML is '%XHTML.xmlns;', defined in the Qualified Names module.

-->

<!-- title: Document Title -->

<!-- The title element is not considered part of the flow of text.

It should be displayed, for example as the page header or window title. Exactly one title is required per document.

-->

```
<!ENTITY % title.element "INCLUDE" >
<![%title.element;[
<!ENTITY % title.content "( #PCDATA )" >
<!ENTITY % title.qname "title" >
<!ELEMENT %title.qname; %title.content; >
<!-- end of title.element -->]]>
```

```
<!ENTITY % title.attlist "INCLUDE" >
<![%title.attlist;[
<!ATTLIST %title.qname;
    %XHTML.xmlns.attrib;
    %I18n.attrib;
>
<!-- end of title.attlist -->]]>
```

<!-- head: Document Head -->

```
<!ENTITY % head.element "INCLUDE" >
<![%head.element;[
<!ENTITY % head.content
    "( %HeadOpts.mix;, %title.qname;, %HeadOpts.mix; )"
>
<!ENTITY % head.qname "head" >
<!ELEMENT %head.qname; %head.content; >
```

```

<!-- end of head.element -->]]>

<!ENTITY % head.attlist "INCLUDE" >
<![%head.attlist;[
<!-- reserved for future use with document profiles
-->
<!ENTITY % profile.attrib
    "profile    %URI.datatype;    '%XHTML.profile;'"
>

<!ATTLIST %head.qname;
    %XHTML.xmlns.attrib;
    %I18n.attrib;
    %profile.attrib;
>
<!-- end of head.attlist -->]]>

<!-- body: Document Body ..... -->

<!ENTITY % body.element "INCLUDE" >
<![%body.element;[
<!ENTITY % body.content
    "( %Block.mix; )+"
>
<!ENTITY % body.qname "body" >
<!ELEMENT %body.qname; %body.content; >
<!-- end of body.element -->]]>

<!ENTITY % body.attlist "INCLUDE" >
<![%body.attlist;[
<!ATTLIST %body.qname;
    %Common.attrib;
>
<!-- end of body.attlist -->]]>

<!-- html: XHTML Document Element ..... -->

<!ENTITY % html.element "INCLUDE" >
<![%html.element;[
<!ENTITY % html.content "( %head.qname;, %body.qname; )" >
<!ENTITY % html.qname "html" >
<!ELEMENT %html.qname; %html.content; >
<!-- end of html.element -->]]>

<!ENTITY % html.attlist "INCLUDE" >
<![%html.attlist;[
<!-- version attribute value defined in driver
-->

```

```

<!ENTITY % XHTML.version.attrib
  "version %FPI.datatype; #FIXED '%XHTML.version;'"
>

<!-- see the Qualified Names module for information
  on how to extend XHTML using XML namespaces
-->
<!ATTLIST %html.qname;
  %XHTML.xmlns.attrib;
  %XHTML.version.attrib;
  %l18n.attrib;
>
<!-- end of html.attlist -->]]>

<!-- end of xhtml-struct-1.mod -->

```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/rddl/xhtml-struct-1.mod
```

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dimensional graphics in XML.

The Scalable Vector Graphics (SVG)

Copyright 2001, 2002 World Wide Web Consortium

(Massachusetts Institute of Technology, Institut National de

Recherche en Informatique et en Automatique, Keio University).

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It is provided "as is" without expressed or implied warranty.

Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>

Revision: \$Id: svg11.dtd,v 1.2 2002/04/20 18:07:43 fujisawa Exp \$

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg11.dtd
```

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```

<!-- ..... -->
<!-- SVG 1.1 Basic Paint Attribute Module ..... -->
<!-- file: svg-basic-paint-attrib.mod

```

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: svg-basic-paint-attrib.mod,v 1.1 2002/11/13 20:14:30 fujisawa Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ENTITIES SVG 1.1 Basic Paint Attribute//EN"  
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-basic-paint-attrib.mod"
```

```
..... -->
```

```
<!-- Basic Paint Attribute
```

```
    fill, fill-rule, stroke, stroke-dasharray, stroke-dashoffset,  
    stroke-linecap, stroke-linejoin, stroke-miterlimit, stroke-width, color,  
    color-rendering
```

```
    This module defines the Paint and Color attribute sets.
```

```
-->
```

```
<!-- a 'fill' or 'stroke' property/attribute value: <paint> -->
```

```
<!ENTITY % Paint.datatype "CDATA" >
```

```
<!-- 'stroke-dasharray' property/attribute value (e.g., 'none', list of <number>s) -->
```

```
<!ENTITY % StrokeDashArrayValue.datatype "CDATA" >
```

```
<!-- 'stroke-dashoffset' property/attribute value (e.g., 'none', <length>) -->
```

```
<!ENTITY % StrokeDashOffsetValue.datatype "CDATA" >
```

```
<!-- 'stroke-miterlimit' property/attribute value (e.g., <number>) -->
```

```
<!ENTITY % StrokeMiterLimitValue.datatype "CDATA" >
```

```
<!-- 'stroke-width' property/attribute value (e.g., <length>) -->
```

```
<!ENTITY % StrokeWidthValue.datatype "CDATA" >
```

```
<!ENTITY % SVG.fill.attrib  
    "fill %Paint.datatype; #IMPLIED"
```

```
>
```

```
<!ENTITY % SVG.fill-rule.attrib  
    "fill-rule %ClipFillRule.datatype; #IMPLIED"
```

```
>
```

```
<!ENTITY % SVG.stroke.attrib  
    "stroke %Paint.datatype; #IMPLIED"
```

```
>
```



```

<!ENTITY % SVG.stroke-dasharray.attrib
  "stroke-dasharray %StrokeDashArrayValue.datatype; #IMPLIED"
>

<!ENTITY % SVG.stroke-dashoffset.attrib
  "stroke-dashoffset %StrokeDashOffsetValue.datatype; #IMPLIED"
>

<!ENTITY % SVG.stroke-linecap.attrib
  "stroke-linecap ( butt | round | square | inherit ) #IMPLIED"
>

<!ENTITY % SVG.stroke-linejoin.attrib
  "stroke-linejoin ( miter | round | bevel | inherit ) #IMPLIED"
>

<!ENTITY % SVG.stroke-miterlimit.attrib
  "stroke-miterlimit %StrokeMiterLimitValue.datatype; #IMPLIED"
>

<!ENTITY % SVG.stroke-width.attrib
  "stroke-width %StrokeWidthValue.datatype; #IMPLIED"
>

<!ENTITY % SVG.Paint.extra.attrib "" >

<!ENTITY % SVG.Paint.attrib
  "%SVG.fill.attrib;
  %SVG.fill-rule.attrib;
  %SVG.stroke.attrib;
  %SVG.stroke-dasharray.attrib;
  %SVG.stroke-dashoffset.attrib;
  %SVG.stroke-linecap.attrib;
  %SVG.stroke-linejoin.attrib;
  %SVG.stroke-miterlimit.attrib;
  %SVG.stroke-width.attrib;
  %SVG.Paint.extra.attrib;"
>

<!ENTITY % SVG.color.attrib
  "color %Color.datatype; #IMPLIED"
>

<!ENTITY % SVG.color-rendering.attrib
  "color-rendering ( auto | optimizeSpeed | optimizeQuality | inherit )
  #IMPLIED"
>

```

<!ENTITY % SVG.Color.extra.attrib "" >

```
<!ENTITY % SVG.Color.attrib
"%SVG.color.attrib;
%SVG.color-rendering.attrib;
%SVG.Color.extra.attrib;"
>
```

<!-- end of svg-basic-paint-attrib.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/svg11/svg-basic-paint-attrib.mod

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<!--

File isoamsr.ent produced by the XSL script entities.xml
from input data in unicode.xml.

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<http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231.html>

Please report any errors to David Carlisle
via the public W3C list www-math@w3.org.

The numeric character values assigned to each entity
(should) match the Unicode assignments in Unicode 5.x.

References to the VARIANT SELECTOR 1 character (︀) should match the uses listed in Unicode Technical Report 25.

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-->

<!--

Public identifier: -//W3C//ENTITIES Added Math Symbols: Relations//EN//XML

System identifier: <http://www.w3.org/2003/entities/2007/isoamsr.ent>

The public identifier should always be used verbatim.

The system identifier may be changed to suit local requirements.

Typical invocation:

```
<!ENTITY % isoamsr PUBLIC
"-//W3C//ENTITIES Added Math Symbols: Relations//EN//XML"
"http://www.w3.org/2003/entities/2007/isoamsr.ent"
>
%isoamsr;

-->

<!ENTITY ape          "&#x0224A;" ><!--ALMOST EQUAL OR EQUAL TO -->
<!ENTITY apE         "&#x02A70;" ><!--APPROXIMATELY EQUAL OR EQUAL TO -->
<!ENTITY apid        "&#x0224B;" ><!--TRIPLE TILDE -->
<!ENTITY asymp       "&#x02248;" ><!--ALMOST EQUAL TO -->
<!ENTITY Barv        "&#x02AE7;" ><!--SHORT DOWN TACK WITH OVERBAR -->
<!ENTITY bcong       "&#x0224C;" ><!--ALL EQUAL TO -->
<!ENTITY bepsi       "&#x003F6;" ><!--GREEK REVERSED LUNATE EPSILON SYMBOL -->
<!ENTITY bowtie      "&#x022C8;" ><!--BOWTIE -->
<!ENTITY bsim        "&#x0223D;" ><!--REVERSED TILDE -->
<!ENTITY bsime       "&#x022CD;" ><!--REVERSED TILDE EQUALS -->
<!ENTITY bsolhs     "&#x027C8;" ><!--REVERSE SOLIDUS PRECEDING SUBSET -->
<!ENTITY bump        "&#x0224E;" ><!--GEOMETRICALLY EQUIVALENT TO -->
<!ENTITY bumpE       "&#x02AAE;" ><!--EQUALS SIGN WITH BUMPY ABOVE -->
<!ENTITY cire        "&#x02257;" ><!--RING EQUAL TO -->
<!ENTITY Colon       "&#x02237;" ><!--PROPORTION -->
<!ENTITY colone      "&#x02254;" ><!--COLON EQUALS -->
<!ENTITY Colone     "&#x02A74;" ><!--DOUBLE COLON EQUAL -->
<!ENTITY congdot     "&#x02A6D;" ><!--CONGRUENT WITH DOT ABOVE -->
<!ENTITY csub        "&#x02ACF;" ><!--CLOSED SUBSET -->
<!ENTITY csube       "&#x02AD1;" ><!--CLOSED SUBSET OR EQUAL TO -->
<!ENTITY csup        "&#x02AD0;" ><!--CLOSED SUPERSET -->
<!ENTITY csupe       "&#x02AD2;" ><!--CLOSED SUPERSET OR EQUAL TO -->
<!ENTITY cuepr       "&#x022DE;" ><!--EQUAL TO OR PRECEDES -->
<!ENTITY cuesc       "&#x022DF;" ><!--EQUAL TO OR SUCCEEDS -->
<!ENTITY dashv      "&#x022A3;" ><!--LEFT TACK -->
<!ENTITY Dashv      "&#x02AE4;" ><!--VERTICAL BAR DOUBLE LEFT TURNSTILE -->
<!ENTITY easter      "&#x02A6E;" ><!--EQUALS WITH ASTERISK -->
<!ENTITY ecir        "&#x02256;" ><!--RING IN EQUAL TO -->
<!ENTITY ecolon     "&#x02255;" ><!--EQUALS COLON -->
<!ENTITY eDDot      "&#x02A77;" ><!--EQUALS SIGN WITH TWO DOTS ABOVE AND TWO DOTS
BELOW -->
<!ENTITY eDot        "&#x02251;" ><!--GEOMETRICALLY EQUAL TO -->
```

| | |
|-------------------|---|
| <!ENTITY efDot | "≒" ><!--APPROXIMATELY EQUAL TO OR THE IMAGE OF --> |
| <!ENTITY eg | "⪚" ><!--DOUBLE-LINE EQUAL TO OR GREATER-THAN --> |
| <!ENTITY egs | "⪖" ><!--SLANTED EQUAL TO OR GREATER-THAN --> |
| <!ENTITY egsgdot | "⪘" ><!--SLANTED EQUAL TO OR GREATER-THAN WITH DOT INSIDE -> |
| <!ENTITY el | "⪙" ><!--DOUBLE-LINE EQUAL TO OR LESS-THAN --> |
| <!ENTITY els | "⪕" ><!--SLANTED EQUAL TO OR LESS-THAN --> |
| <!ENTITY elsgdot | "⪗" ><!--SLANTED EQUAL TO OR LESS-THAN WITH DOT INSIDE --> |
| <!ENTITY equest | "≟" ><!--QUESTIONED EQUAL TO --> |
| <!ENTITY equivDD | "⩸" ><!--EQUIVALENT WITH FOUR DOTS ABOVE --> |
| <!ENTITY erDot | "≓" ><!--IMAGE OF OR APPROXIMATELY EQUAL TO --> |
| <!ENTITY esdot | "≐" ><!--APPROACHES THE LIMIT --> |
| <!ENTITY esim | "≂" ><!--MINUS TILDE --> |
| <!ENTITY Esim | "⩳" ><!--EQUALS SIGN ABOVE TILDE OPERATOR --> |
| <!ENTITY fork | "⋔" ><!--PITCHFORK --> |
| <!ENTITY forkv | "⫙" ><!--ELEMENT OF OPENING DOWNWARDS --> |
| <!ENTITY frown | "⌢" ><!--FROWN --> |
| <!ENTITY gap | "⪆" ><!--GREATER-THAN OR APPROXIMATE --> |
| <!ENTITY gE | "≧" ><!--GREATER-THAN OVER EQUAL TO --> |
| <!ENTITY gel | "⋛" ><!--GREATER-THAN EQUAL TO OR LESS-THAN --> |
| <!ENTITY gEl | "⪌" ><!--GREATER-THAN ABOVE DOUBLE-LINE EQUAL ABOVE LESS-THAN --> |
| <!ENTITY ges | "⩾" ><!--GREATER-THAN OR SLANTED EQUAL TO --> |
| <!ENTITY gescc | "⪩" ><!--GREATER-THAN CLOSED BY CURVE ABOVE SLANTED EQUAL --> |
| <!ENTITY gesdot | "⪀" ><!--GREATER-THAN OR SLANTED EQUAL TO WITH DOT INSIDE -> |
| <!ENTITY gesdoto | "⪂" ><!--GREATER-THAN OR SLANTED EQUAL TO WITH DOT ABOVE --> |
| <!ENTITY gesdotoL | "⪄" ><!--GREATER-THAN OR SLANTED EQUAL TO WITH DOT ABOVE LEFT --> |
| <!ENTITY gesl | "⋛︀" ><!--GREATER-THAN slanted EQUAL TO OR LESS-THAN --> |
| <!ENTITY gesles | "⪔" ><!--GREATER-THAN ABOVE SLANTED EQUAL ABOVE LESS-THAN ABOVE SLANTED EQUAL --> |
| <!ENTITY Gg | "⋙" ><!--VERY MUCH GREATER-THAN --> |
| <!ENTITY gl | "≷" ><!--GREATER-THAN OR LESS-THAN --> |
| <!ENTITY gla | "⪥" ><!--GREATER-THAN BESIDE LESS-THAN --> |
| <!ENTITY glE | "⪒" ><!--GREATER-THAN ABOVE LESS-THAN ABOVE DOUBLE-LINE EQUAL --> |
| <!ENTITY glj | "⪤" ><!--GREATER-THAN OVERLAPPING LESS-THAN --> |
| <!ENTITY gsim | "≳" ><!--GREATER-THAN OR EQUIVALENT TO --> |
| <!ENTITY gsime | "⪎" ><!--GREATER-THAN ABOVE SIMILAR OR EQUAL --> |
| <!ENTITY gsiml | "⪐" ><!--GREATER-THAN ABOVE SIMILAR ABOVE LESS-THAN --> |
| <!ENTITY Gt | "≫" ><!--MUCH GREATER-THAN --> |
| <!ENTITY gtcc | "⪧" ><!--GREATER-THAN CLOSED BY CURVE --> |
| <!ENTITY gtcir | "⩺" ><!--GREATER-THAN WITH CIRCLE INSIDE --> |
| <!ENTITY gtdot | "⋗" ><!--GREATER-THAN WITH DOT --> |

| | |
|-------------------|---|
| <!ENTITY gtquest | "⩼" ><!--GREATER-THAN WITH QUESTION MARK ABOVE --> |
| <!ENTITY gtrarr | "⥸" ><!--GREATER-THAN ABOVE RIGHTWARDS ARROW --> |
| <!ENTITY homtht | "∻" ><!--HOMOTHETIC --> |
| <!ENTITY lap | "⪅" ><!--LESS-THAN OR APPROXIMATE --> |
| <!ENTITY lat | "⪫" ><!--LARGER THAN --> |
| <!ENTITY late | "⪭" ><!--LARGER THAN OR EQUAL TO --> |
| <!ENTITY lates | "⪭︀" ><!--LARGER THAN OR slanted EQUAL --> |
| <!ENTITY lE | "≦" ><!--LESS-THAN OVER EQUAL TO --> |
| <!ENTITY leg | "⋚" ><!--LESS-THAN EQUAL TO OR GREATER-THAN --> |
| <!ENTITY lEg | "⪋" ><!--LESS-THAN ABOVE DOUBLE-LINE EQUAL ABOVE GREATER-THAN --> |
| <!ENTITY les | "⩽" ><!--LESS-THAN OR SLANTED EQUAL TO --> |
| <!ENTITY lescc | "⪨" ><!--LESS-THAN CLOSED BY CURVE ABOVE SLANTED EQUAL --> |
| <!ENTITY lesdot | "⩿" ><!--LESS-THAN OR SLANTED EQUAL TO WITH DOT INSIDE --> |
| <!ENTITY lesdoto | "⪁" ><!--LESS-THAN OR SLANTED EQUAL TO WITH DOT ABOVE --> |
| <!ENTITY lesdotor | "⪃" ><!--LESS-THAN OR SLANTED EQUAL TO WITH DOT ABOVE RIGHT --> |
| <!ENTITY lesg | "⋚︀" ><!--LESS-THAN slanted EQUAL TO OR GREATER-THAN --> |
| <!ENTITY lesges | "⪓" ><!--LESS-THAN ABOVE SLANTED EQUAL ABOVE GREATER-THAN ABOVE SLANTED EQUAL --> |
| <!ENTITY lg | "≶" ><!--LESS-THAN OR GREATER-THAN --> |
| <!ENTITY lG | "⪑" ><!--LESS-THAN ABOVE GREATER-THAN ABOVE DOUBLE-LINE EQUAL --> |
| <!ENTITY lI | "⋘" ><!--VERY MUCH LESS-THAN --> |
| <!ENTITY lsim | "≲" ><!--LESS-THAN OR EQUIVALENT TO --> |
| <!ENTITY ltime | "⪍" ><!--LESS-THAN ABOVE SIMILAR OR EQUAL --> |
| <!ENTITY lsimg | "⪏" ><!--LESS-THAN ABOVE SIMILAR ABOVE GREATER-THAN --> |
| <!ENTITY Lt | "≪" ><!--MUCH LESS-THAN --> |
| <!ENTITY ltcc | "⪦" ><!--LESS-THAN CLOSED BY CURVE --> |
| <!ENTITY ltcir | "⩹" ><!--LESS-THAN WITH CIRCLE INSIDE --> |
| <!ENTITY ltdot | "⋖" ><!--LESS-THAN WITH DOT --> |
| <!ENTITY ltlarr | "⥶" ><!--LESS-THAN ABOVE LEFTWARDS ARROW --> |
| <!ENTITY ltquest | "⩻" ><!--LESS-THAN WITH QUESTION MARK ABOVE --> |
| <!ENTITY ltrie | "⊴" ><!--NORMAL SUBGROUP OF OR EQUAL TO --> |
| <!ENTITY mcomma | "⨩" ><!--MINUS SIGN WITH COMMA ABOVE --> |
| <!ENTITY mDDot | "∺" ><!--GEOMETRIC PROPORTION --> |
| <!ENTITY mid | "∣" ><!--DIVIDES --> |
| <!ENTITY mlcp | "⫛" ><!--TRANSVERSAL INTERSECTION --> |
| <!ENTITY models | "⊧" ><!--MODELS --> |
| <!ENTITY mstpos | "∾" ><!--INVERTED LAZY S --> |
| <!ENTITY pr | "≺" ><!--PRECEDES --> |
| <!ENTITY Pr | "⪻" ><!--DOUBLE PRECEDES --> |
| <!ENTITY prap | "⪷" ><!--PRECEDES ABOVE ALMOST EQUAL TO --> |
| <!ENTITY prcue | "≼" ><!--PRECEDES OR EQUAL TO --> |
| <!ENTITY pre | "⪯" ><!--PRECEDES ABOVE SINGLE-LINE EQUALS SIGN --> |
| <!ENTITY prE | "⪳" ><!--PRECEDES ABOVE EQUALS SIGN --> |
| <!ENTITY prsim | "≾" ><!--PRECEDES OR EQUIVALENT TO --> |

| | |
|-------------------|---|
| <!ENTITY prurel | "⊰" ><!--PRECEDES UNDER RELATION --> |
| <!ENTITY ratio | "∶" ><!--RATIO --> |
| <!ENTITY rtrie | "⊵" ><!--CONTAINS AS NORMAL SUBGROUP OR EQUAL TO --> |
| <!ENTITY rtriltri | "⧎" ><!--RIGHT TRIANGLE ABOVE LEFT TRIANGLE --> |
| <!ENTITY sc | "≻" ><!--SUCCEEDS --> |
| <!ENTITY Sc | "⪼" ><!--DOUBLE SUCCEEDS --> |
| <!ENTITY scap | "⪸" ><!--SUCCEEDS ABOVE ALMOST EQUAL TO --> |
| <!ENTITY sccue | "≽" ><!--SUCCEEDS OR EQUAL TO --> |
| <!ENTITY sce | "⪰" ><!--SUCCEEDS ABOVE SINGLE-LINE EQUALS SIGN --> |
| <!ENTITY scE | "⪴" ><!--SUCCEEDS ABOVE EQUALS SIGN --> |
| <!ENTITY scsim | "≿" ><!--SUCCEEDS OR EQUIVALENT TO --> |
| <!ENTITY sdote | "⩦" ><!--EQUALS SIGN WITH DOT BELOW --> |
| <!ENTITY sfrown | "⌢" ><!--FROWN --> |
| <!ENTITY simg | "⪞" ><!--SIMILAR OR GREATER-THAN --> |
| <!ENTITY simgE | "⪠" ><!--SIMILAR ABOVE GREATER-THAN ABOVE EQUALS SIGN --> |
| <!ENTITY siml | "⪝" ><!--SIMILAR OR LESS-THAN --> |
| <!ENTITY simlE | "⪟" ><!--SIMILAR ABOVE LESS-THAN ABOVE EQUALS SIGN --> |
| <!ENTITY smid | "∣" ><!--DIVIDES --> |
| <!ENTITY smile | "⌣" ><!--SMILE --> |
| <!ENTITY smt | "⪪" ><!--SMALLER THAN --> |
| <!ENTITY smte | "⪬" ><!--SMALLER THAN OR EQUAL TO --> |
| <!ENTITY smtes | "⪬︀" ><!--SMALLER THAN OR slanted EQUAL --> |
| <!ENTITY spar | "∥" ><!--PARALLEL TO --> |
| <!ENTITY sqsub | "⊏" ><!--SQUARE IMAGE OF --> |
| <!ENTITY sqsube | "⊑" ><!--SQUARE IMAGE OF OR EQUAL TO --> |
| <!ENTITY sqsup | "⊐" ><!--SQUARE ORIGINAL OF --> |
| <!ENTITY sqsupe | "⊒" ><!--SQUARE ORIGINAL OF OR EQUAL TO --> |
| <!ENTITY ssmile | "⌣" ><!--SMILE --> |
| <!ENTITY Sub | "⋐" ><!--DOUBLE SUBSET --> |
| <!ENTITY subE | "⫅" ><!--SUBSET OF ABOVE EQUALS SIGN --> |
| <!ENTITY subedot | "⫃" ><!--SUBSET OF OR EQUAL TO WITH DOT ABOVE --> |
| <!ENTITY submult | "⫁" ><!--SUBSET WITH MULTIPLICATION SIGN BELOW --> |
| <!ENTITY subplus | "⪿" ><!--SUBSET WITH PLUS SIGN BELOW --> |
| <!ENTITY subrarr | "⥹" ><!--SUBSET ABOVE RIGHTWARDS ARROW --> |
| <!ENTITY subsim | "⫇" ><!--SUBSET OF ABOVE TILDE OPERATOR --> |
| <!ENTITY subsub | "⫕" ><!--SUBSET ABOVE SUBSET --> |
| <!ENTITY subsup | "⫓" ><!--SUBSET ABOVE SUPERSET --> |
| <!ENTITY Sup | "⋑" ><!--DOUBLE SUPERSET --> |
| <!ENTITY supdsub | "⫘" ><!--SUPERSET BESIDE AND JOINED BY DASH WITH SUBSET --> |
| <!ENTITY supE | "⫆" ><!--SUPERSET OF ABOVE EQUALS SIGN --> |
| <!ENTITY supedot | "⫄" ><!--SUPERSET OF OR EQUAL TO WITH DOT ABOVE --> |
| <!ENTITY suphsol | "⟉" ><!--SUPERSET PRECEDING SOLIDUS --> |
| <!ENTITY suphsub | "⫗" ><!--SUPERSET BESIDE SUBSET --> |
| <!ENTITY suplarr | "⥻" ><!--SUPERSET ABOVE LEFTWARDS ARROW --> |
| <!ENTITY supmult | "⫂" ><!--SUPERSET WITH MULTIPLICATION SIGN BELOW --> |
| <!ENTITY supplus | "⫀" ><!--SUPERSET WITH PLUS SIGN BELOW --> |
| <!ENTITY supsim | "⫈" ><!--SUPERSET OF ABOVE TILDE OPERATOR --> |
| <!ENTITY supsub | "⫔" ><!--SUPERSET ABOVE SUBSET --> |

<!ENTITY supsup "⫖" ><!--SUPERSET ABOVE SUPERSET -->
 <!ENTITY thkap "≈" ><!--ALMOST EQUAL TO -->
 <!ENTITY thksim "∼" ><!--TILDE OPERATOR -->
 <!ENTITY topfork "⫚" ><!--PITCHFORK WITH TEE TOP -->
 <!ENTITY trie "≜" ><!--DELTA EQUAL TO -->
 <!ENTITY twixt "≬" ><!--BETWEEN -->
 <!ENTITY vBar "⫨" ><!--SHORT UP TACK WITH UNDERBAR -->
 <!ENTITY Vbar "⫫" ><!--DOUBLE UP TACK -->
 <!ENTITY vBarv "⫩" ><!--SHORT UP TACK ABOVE SHORT DOWN TACK -->
 <!ENTITY vdash "⊢" ><!--RIGHT TACK -->
 <!ENTITY vDash "⊨" ><!--TRUE -->
 <!ENTITY Vdash "⊩" ><!--FORCES -->
 <!ENTITY VDash "⊫" ><!--DOUBLE VERTICAL BAR DOUBLE RIGHT TURNSTILE -->
 <!ENTITY Vdashl "⫦" ><!--LONG DASH FROM LEFT MEMBER OF DOUBLE VERTICAL -->
 >
 <!ENTITY vltri "⊲" ><!--NORMAL SUBGROUP OF -->
 <!ENTITY vprop "∝" ><!--PROPORTIONAL TO -->
 <!ENTITY vrtri "⊳" ><!--CONTAINS AS NORMAL SUBGROUP -->
 <!ENTITY Vvdash "⊪" ><!--TRIPLE VERTICAL BAR RIGHT TURNSTILE -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/mathml/mathml3/isoamsr.ent

No license file was found, but licenses were detected in source scan.

<!--

File isomopf.ent produced by the XSL script entities.xml
from input data in unicode.xml.

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<http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231.html>

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(should) match the Unicode assignments in Unicode 5.x.

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-->

<!--

Public identifier: -//W3C//ENTITIES Math Alphabets: Open Face//EN//XML

System identifier: <http://www.w3.org/2003/entities/2007/isomopf.ent>

The public identifier should always be used verbatim.

The system identifier may be changed to suit local requirements.

Typical invocation:

```
<!ENTITY % isomopf PUBLIC
  "-//W3C//ENTITIES Math Alphabets: Open Face//EN//XML"
  "http://www.w3.org/2003/entities/2007/isomopf.ent"
>
%isomopf;
```

-->

```
<!ENTITY Aopf "&#x1D538;" ><!--MATHEMATICAL DOUBLE-STRUCK CAPITAL A -->
<!ENTITY Bopf "&#x1D539;" ><!--MATHEMATICAL DOUBLE-STRUCK CAPITAL B -->
<!ENTITY Copf "&#x02102;" ><!--DOUBLE-STRUCK CAPITAL C -->
<!ENTITY Dopf "&#x1D53B;" ><!--MATHEMATICAL DOUBLE-STRUCK CAPITAL D -->
<!ENTITY Eopf "&#x1D53C;" ><!--MATHEMATICAL DOUBLE-STRUCK CAPITAL E -->
<!ENTITY Fopf "&#x1D53D;" ><!--MATHEMATICAL DOUBLE-STRUCK CAPITAL F -->
<!ENTITY Gopf "&#x1D53E;" ><!--MATHEMATICAL DOUBLE-STRUCK CAPITAL G -->
<!ENTITY Hopf "&#x0210D;" ><!--DOUBLE-STRUCK CAPITAL H -->
<!ENTITY Iopf "&#x1D540;" ><!--MATHEMATICAL DOUBLE-STRUCK CAPITAL I -->
<!ENTITY Jopf "&#x1D541;" ><!--MATHEMATICAL DOUBLE-STRUCK CAPITAL J -->
<!ENTITY Kopf "&#x1D542;" ><!--MATHEMATICAL DOUBLE-STRUCK CAPITAL K -->
<!ENTITY Lopf "&#x1D543;" ><!--MATHEMATICAL DOUBLE-STRUCK CAPITAL L -->
<!ENTITY Mopf "&#x1D544;" ><!--MATHEMATICAL DOUBLE-STRUCK CAPITAL M -->
<!ENTITY Nopf "&#x02115;" ><!--DOUBLE-STRUCK CAPITAL N -->
<!ENTITY Oopf "&#x1D546;" ><!--MATHEMATICAL DOUBLE-STRUCK CAPITAL O -->
<!ENTITY Popf "&#x02119;" ><!--DOUBLE-STRUCK CAPITAL P -->
<!ENTITY Qopf "&#x0211A;" ><!--DOUBLE-STRUCK CAPITAL Q -->
<!ENTITY Ropf "&#x0211D;" ><!--DOUBLE-STRUCK CAPITAL R -->
<!ENTITY Sopf "&#x1D54A;" ><!--MATHEMATICAL DOUBLE-STRUCK CAPITAL S -->
<!ENTITY Topf "&#x1D54B;" ><!--MATHEMATICAL DOUBLE-STRUCK CAPITAL T -->
<!ENTITY Uopf "&#x1D54C;" ><!--MATHEMATICAL DOUBLE-STRUCK CAPITAL U -->
<!ENTITY Vopf "&#x1D54D;" ><!--MATHEMATICAL DOUBLE-STRUCK CAPITAL V -->
<!ENTITY Wopf "&#x1D54E;" ><!--MATHEMATICAL DOUBLE-STRUCK CAPITAL W -->
<!ENTITY Xopf "&#x1D54F;" ><!--MATHEMATICAL DOUBLE-STRUCK CAPITAL X -->
<!ENTITY Yopf "&#x1D550;" ><!--MATHEMATICAL DOUBLE-STRUCK CAPITAL Y -->
<!ENTITY Zopf "&#x02124;" ><!--DOUBLE-STRUCK CAPITAL Z -->
```


Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/mathml/mathml3/isonopf.ent

No license file was found, but licenses were detected in source scan.

<!--

File isonum.ent produced by the XSL script entities.xsl
from input data in unicode.xml.

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<http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231.html>

Please report any errors to David Carlisle
via the public W3C list www-math@w3.org.

The numeric character values assigned to each entity
(should) match the Unicode assignments in Unicode 5.x.

Entity names in this file are derived from files carrying the
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-->

<!--

Public identifier: `-//W3C//ENTITIES Numeric and Special Graphic//EN//XML`

System identifier: `http://www.w3.org/2003/entities/2007/isonum.ent`

The public identifier should always be used verbatim.

The system identifier may be changed to suit local requirements.

Typical invocation:

```
<!ENTITY % isonum PUBLIC
  "-//W3C//ENTITIES Numeric and Special Graphic//EN//XML"
  "http://www.w3.org/2003/entities/2007/isonum.ent"
>
%isonum;
```

-->

| | |
|-----------------|--|
| <!ENTITY amp | "&#38;" ><!--AMPERSAND --> |
| <!ENTITY apos | "'" ><!--APOSTROPHE --> |
| <!ENTITY ast | "*" ><!--ASTERISK --> |
| <!ENTITY brvbar | "¦" ><!--BROKEN BAR --> |
| <!ENTITY bsol | "\" ><!--REVERSE SOLIDUS --> |
| <!ENTITY cent | "¢" ><!--CENT SIGN --> |
| <!ENTITY colon | ":" ><!--COLON --> |
| <!ENTITY comma | "," ><!--COMMA --> |
| <!ENTITY commat | "@" ><!--COMMERCIAL AT --> |
| <!ENTITY copy | "©" ><!--COPYRIGHT SIGN --> |
| <!ENTITY curren | "¤" ><!--CURRENCY SIGN --> |
| <!ENTITY darr | "↓" ><!--DOWNWARDS ARROW --> |
| <!ENTITY deg | "°" ><!--DEGREE SIGN --> |
| <!ENTITY divide | "÷" ><!--DIVISION SIGN --> |
| <!ENTITY dollar | "$" ><!--DOLLAR SIGN --> |
| <!ENTITY equals | "=" ><!--EQUALS SIGN --> |
| <!ENTITY excl | "!" ><!--EXCLAMATION MARK --> |
| <!ENTITY frac12 | "½" ><!--VULGAR FRACTION ONE HALF --> |
| <!ENTITY frac14 | "¼" ><!--VULGAR FRACTION ONE QUARTER --> |
| <!ENTITY frac18 | "⅛" ><!--VULGAR FRACTION ONE EIGHTH --> |
| <!ENTITY frac34 | "¾" ><!--VULGAR FRACTION THREE QUARTERS --> |
| <!ENTITY frac38 | "⅜" ><!--VULGAR FRACTION THREE EIGHTHS --> |
| <!ENTITY frac58 | "⅝" ><!--VULGAR FRACTION FIVE EIGHTHS --> |
| <!ENTITY frac78 | "⅞" ><!--VULGAR FRACTION SEVEN EIGHTHS --> |
| <!ENTITY gt | ">" ><!--GREATER-THAN SIGN --> |
| <!ENTITY half | "½" ><!--VULGAR FRACTION ONE HALF --> |
| <!ENTITY horbar | "―" ><!--HORIZONTAL BAR --> |
| <!ENTITY hyphen | "‐" ><!--HYPHEN --> |
| <!ENTITY iexcl | "¡" ><!--INVERTED EXCLAMATION MARK --> |
| <!ENTITY iquest | "¿" ><!--INVERTED QUESTION MARK --> |
| <!ENTITY laquo | "«" ><!--LEFT-POINTING DOUBLE ANGLE QUOTATION MARK --> |
| <!ENTITY larr | "←" ><!--LEFTWARDS ARROW --> |
| <!ENTITY lcub | "{" ><!--LEFT CURLY BRACKET --> |
| <!ENTITY ldquo | "“" ><!--LEFT DOUBLE QUOTATION MARK --> |
| <!ENTITY lowbar | "_" ><!--LOW LINE --> |
| <!ENTITY lpar | "(" ><!--LEFT PARENTHESIS --> |
| <!ENTITY lsqb | "[" ><!--LEFT SQUARE BRACKET --> |
| <!ENTITY lsquo | "‘" ><!--LEFT SINGLE QUOTATION MARK --> |
| <!ENTITY lt | "&#60;" ><!--LESS-THAN SIGN --> |
| <!ENTITY micro | "µ" ><!--MICRO SIGN --> |
| <!ENTITY middot | "·" ><!--MIDDLE DOT --> |
| <!ENTITY nbsp | " " ><!--NO-BREAK SPACE --> |
| <!ENTITY not | "¬" ><!--NOT SIGN --> |
| <!ENTITY num | "#" ><!--NUMBER SIGN --> |
| <!ENTITY ohm | "Ω" ><!--GREEK CAPITAL LETTER OMEGA --> |

| | |
|------------------|---|
| <!ENTITY ordf | "ª" ><!--FEMININE ORDINAL INDICATOR --> |
| <!ENTITY ordm | "º" ><!--MASCULINE ORDINAL INDICATOR --> |
| <!ENTITY para | "¶" ><!--PILCROW SIGN --> |
| <!ENTITY percent | "%" ><!--PERCENT SIGN --> |
| <!ENTITY period | "." ><!--FULL STOP --> |
| <!ENTITY plus | "+" ><!--PLUS SIGN --> |
| <!ENTITY plusmn | "±" ><!--PLUS-MINUS SIGN --> |
| <!ENTITY pound | "£" ><!--POUND SIGN --> |
| <!ENTITY quest | "?" ><!--QUESTION MARK --> |
| <!ENTITY quot | """ ><!--QUOTATION MARK --> |
| <!ENTITY raquo | "»" ><!--RIGHT-POINTING DOUBLE ANGLE QUOTATION MARK --> |
| <!ENTITY rarr | "→" ><!--RIGHTWARDS ARROW --> |
| <!ENTITY rcub | "}" ><!--RIGHT CURLY BRACKET --> |
| <!ENTITY rdquo | "”" ><!--RIGHT DOUBLE QUOTATION MARK --> |
| <!ENTITY reg | "®" ><!--REGISTERED SIGN --> |
| <!ENTITY rpar | ")" ><!--RIGHT PARENTHESIS --> |
| <!ENTITY rsqb | "]" ><!--RIGHT SQUARE BRACKET --> |
| <!ENTITY rsquo | "’" ><!--RIGHT SINGLE QUOTATION MARK --> |
| <!ENTITY sect | "§" ><!--SECTION SIGN --> |
| <!ENTITY semi | ";" ><!--SEMICOLON --> |
| <!ENTITY shy | "­" ><!--SOFT HYPHEN --> |
| <!ENTITY sol | "/" ><!--SOLIDUS --> |
| <!ENTITY sung | "♪" ><!--EIGHTH NOTE --> |
| <!ENTITY sup1 | "¹" ><!--SUPERSCRIPT ONE --> |
| <!ENTITY sup2 | "²" ><!--SUPERSCRIPT TWO --> |
| <!ENTITY sup3 | "³" ><!--SUPERSCRIPT THREE --> |
| <!ENTITY times | "×" ><!--MULTIPLICATION SIGN --> |
| <!ENTITY trade | "™" ><!--TRADE MARK SIGN --> |
| <!ENTITY uarr | "↑" ><!--UPWARDS ARROW --> |
| <!ENTITY verbar | "|" ><!--VERTICAL LINE --> |
| <!ENTITY yen | "¥" ><!--YEN SIGN --> |

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/mathml/mathml3/isonum.ent

No license file was found, but licenses were detected in source scan.

<!-- -->

<!-- XHTML Hypertext Module -->

<!-- file: xhtml-hypertext-1.mod

This is XHTML, a reformulation of HTML as a modular XML application.

Copyright 1998-2000 W3C (MIT, INRIA, Keio), All Rights Reserved.

Revision: \$Id: xhtml-hypertext-1.mod,v 1.1 2001/02/13 12:24:22 ht Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ELEMENTS XHTML Hypertext 1.0//EN"

SYSTEM "http://www.w3.org/TR/xhtml-modulization/DTD/xhtml-hypertext-1.mod"

Revisions:

(none)

..... -->

<!-- Hypertext

a

This module declares the anchor ('a') element type, which defines the source of a hypertext link. The destination (or link 'target') is identified via its 'id' attribute rather than the 'name' attribute as was used in HTML.

-->

<!-- Anchor Element -->

<!ENTITY % a.element "INCLUDE" >

<![%a.element;[

<!ENTITY % a.content

"(#PCDATA | %InlNoAnchor.mix;)*"

>

<!ENTITY % a.qname "a" >

<!ELEMENT %a.qname; %a.content; >

<!-- end of a.element -->]]>

<!ENTITY % a.attlist "INCLUDE" >

<![%a.attlist;[

<!ATTLIST %a.qname;

%Common.attrib;

href %URI.datatype; #IMPLIED

charset %Charset.datatype; #IMPLIED

type %ContentType.datatype; #IMPLIED

hreflang %LanguageCode.datatype; #IMPLIED

rel %LinkTypes.datatype; #IMPLIED

rev %LinkTypes.datatype; #IMPLIED

accesskey %Character.datatype; #IMPLIED

tabindex %Number.datatype; #IMPLIED

>

<!-- end of a.attlist -->]]>

<!-- end of xhtml-hypertext-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/rddl/xhtml-hypertext-1.mod

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Inline Structural Module ..... -->
<!-- file: xhtml-inlstruct-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2000 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: xhtml-inlstruct-1.mod,v 1.1 2001/02/13 12:24:22 ht Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Inline Structural 1.0//EN"
SYSTEM "http://www.w3.org/TR/xhtml-modulization/DTD/xhtml-inlstruct-1.mod"
```

Revisions:
(none)
..... -->

```
<!-- Inline Structural
```

br, span

This module declares the elements and their attributes
used to support inline-level structural markup.

```
-->
```

```
<!-- br: forced line break ..... -->
```

```
<!ENTITY % br.element "INCLUDE" >
<![%br.element;
```

```
<!ENTITY % br.content "EMPTY" >
<!ENTITY % br.qname "br" >
<!ELEMENT %br.qname; %br.content; >
```

```
<!-- end of br.element -->]]>
```

```
<!ENTITY % br.attlist "INCLUDE" >
<![%br.attlist;
<!ATTLIST %br.qname;
    %Core.attrib;
>
<!-- end of br.attlist -->]]>
```

```
<!-- span: generic inline container ..... -->
```

```
<!ENTITY % span.element "INCLUDE" >
```

```
<![%span.element;[
<!ENTITY % span.content
    "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % span.qname "span" >
<!ELEMENT %span.qname; %span.content; >
<!-- end of span.element -->]]>
```

```
<!ENTITY % span.attlist "INCLUDE" >
<![%span.attlist;[
<!ATTLIST %span.qname;
    %Common.attrib;
>
<!-- end of span.attlist -->]]>
```

```
<!-- end of xhtml-instruct-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/rddl/xhtml-instruct-1.mod
```

No license file was found, but licenses were detected in source scan.

```
<!--
```

File isomscr.ent produced by the XSL script entities.xml
from input data in unicode.xml.

Copyright 1998 - 2009 W3C.

Use and distribution of this code are permitted under the terms of the
W3C Software Notice and License.

<http://www.w3.org/Consortium/Legal/2002/copyright-software-20021231.html>

Please report any errors to David Carlisle
via the public W3C list www-math@w3.org.

The numeric character values assigned to each entity
(should) match the Unicode assignments in Unicode 5.x.

Entity names in this file are derived from files carrying the
following notice:

(C) International Organization for Standardization 1991
Permission to copy in any form is granted for use with
conforming SGML systems and applications as defined in
ISO 8879, provided this notice is included in all copies.

```
-->
```

<!--

Public identifier: -//W3C//ENTITIES Math Alphabets: Script//EN//XML
System identifier: <http://www.w3.org/2003/entities/2007/isomscr.ent>

The public identifier should always be used verbatim.

The system identifier may be changed to suit local requirements.

Typical invocation:

```
<!ENTITY % isomscr PUBLIC
  "-//W3C//ENTITIES Math Alphabets: Script//EN//XML"
  "http://www.w3.org/2003/entities/2007/isomscr.ent"
>
%isomscr;
```

-->

```
<!ENTITY ascr      "&#x1D4B6;" ><!--MATHEMATICAL SCRIPT SMALL A -->
<!ENTITY AscR     "&#x1D49C;" ><!--MATHEMATICAL SCRIPT CAPITAL A -->
<!ENTITY bscr     "&#x1D4B7;" ><!--MATHEMATICAL SCRIPT SMALL B -->
<!ENTITY Bscr     "&#x0212C;" ><!--SCRIPT CAPITAL B -->
<!ENTITY cscr     "&#x1D4B8;" ><!--MATHEMATICAL SCRIPT SMALL C -->
<!ENTITY Cscr     "&#x1D49E;" ><!--MATHEMATICAL SCRIPT CAPITAL C -->
<!ENTITY dscr     "&#x1D4B9;" ><!--MATHEMATICAL SCRIPT SMALL D -->
<!ENTITY Dscr     "&#x1D49F;" ><!--MATHEMATICAL SCRIPT CAPITAL D -->
<!ENTITY escr     "&#x0212F;" ><!--SCRIPT SMALL E -->
<!ENTITY Escr     "&#x02130;" ><!--SCRIPT CAPITAL E -->
<!ENTITY fscr     "&#x1D4BB;" ><!--MATHEMATICAL SCRIPT SMALL F -->
<!ENTITY Fscr     "&#x02131;" ><!--SCRIPT CAPITAL F -->
<!ENTITY gscr     "&#x0210A;" ><!--SCRIPT SMALL G -->
<!ENTITY Gscr     "&#x1D4A2;" ><!--MATHEMATICAL SCRIPT CAPITAL G -->
<!ENTITY hscr     "&#x1D4BD;" ><!--MATHEMATICAL SCRIPT SMALL H -->
<!ENTITY Hscr     "&#x0210B;" ><!--SCRIPT CAPITAL H -->
<!ENTITY iscr     "&#x1D4BE;" ><!--MATHEMATICAL SCRIPT SMALL I -->
<!ENTITY Iscr     "&#x02110;" ><!--SCRIPT CAPITAL I -->
<!ENTITY jscr     "&#x1D4BF;" ><!--MATHEMATICAL SCRIPT SMALL J -->
<!ENTITY Jscr     "&#x1D4A5;" ><!--MATHEMATICAL SCRIPT CAPITAL J -->
<!ENTITY kscr     "&#x1D4C0;" ><!--MATHEMATICAL SCRIPT SMALL K -->
<!ENTITY Kscr     "&#x1D4A6;" ><!--MATHEMATICAL SCRIPT CAPITAL K -->
<!ENTITY lscr     "&#x1D4C1;" ><!--MATHEMATICAL SCRIPT SMALL L -->
<!ENTITY Lscr     "&#x02112;" ><!--SCRIPT CAPITAL L -->
<!ENTITY mscr     "&#x1D4C2;" ><!--MATHEMATICAL SCRIPT SMALL M -->
<!ENTITY Mscr     "&#x02133;" ><!--SCRIPT CAPITAL M -->
<!ENTITY nscr     "&#x1D4C3;" ><!--MATHEMATICAL SCRIPT SMALL N -->
<!ENTITY Nscr     "&#x1D4A9;" ><!--MATHEMATICAL SCRIPT CAPITAL N -->
<!ENTITY oscr     "&#x02134;" ><!--SCRIPT SMALL O -->
```

```

<!ENTITY Oscr      "𝒪" ><!--MATHEMATICAL SCRIPT CAPITAL O -->
<!ENTITY pscr     "𝓅" ><!--MATHEMATICAL SCRIPT SMALL P -->
<!ENTITY Pscr     "𝒫" ><!--MATHEMATICAL SCRIPT CAPITAL P -->
<!ENTITY qscr     "𝓆" ><!--MATHEMATICAL SCRIPT SMALL Q -->
<!ENTITY Qscr     "𝒬" ><!--MATHEMATICAL SCRIPT CAPITAL Q -->
<!ENTITY rscr     "𝓇" ><!--MATHEMATICAL SCRIPT SMALL R -->
<!ENTITY Rscr     "ℛ" ><!--SCRIPT CAPITAL R -->
<!ENTITY sscr     "𝓈" ><!--MATHEMATICAL SCRIPT SMALL S -->
<!ENTITY Sscr     "𝒮" ><!--MATHEMATICAL SCRIPT CAPITAL S -->
<!ENTITY tscr     "𝓉" ><!--MATHEMATICAL SCRIPT SMALL T -->
<!ENTITY Tscr     "𝒯" ><!--MATHEMATICAL SCRIPT CAPITAL T -->
<!ENTITY uscr     "𝓊" ><!--MATHEMATICAL SCRIPT SMALL U -->
<!ENTITY Uscr     "𝒰" ><!--MATHEMATICAL SCRIPT CAPITAL U -->
<!ENTITY vscr     "𝓋" ><!--MATHEMATICAL SCRIPT SMALL V -->
<!ENTITY Vscr     "𝒱" ><!--MATHEMATICAL SCRIPT CAPITAL V -->
<!ENTITY wscr     "𝓌" ><!--MATHEMATICAL SCRIPT SMALL W -->
<!ENTITY Wscr     "𝒲" ><!--MATHEMATICAL SCRIPT CAPITAL W -->
<!ENTITY xscr     "𝓍" ><!--MATHEMATICAL SCRIPT SMALL X -->
<!ENTITY Xscr     "𝒳" ><!--MATHEMATICAL SCRIPT CAPITAL X -->
<!ENTITY yscr     "𝓎" ><!--MATHEMATICAL SCRIPT SMALL Y -->
<!ENTITY Yscr     "𝒴" ><!--MATHEMATICAL SCRIPT CAPITAL Y -->
<!ENTITY zscr     "𝓏" ><!--MATHEMATICAL SCRIPT SMALL Z -->
<!ENTITY Zscr     "𝒵" ><!--MATHEMATICAL SCRIPT CAPITAL Z -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/mathml/mathml3/isomscr.ent

```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- XHTML Forms Module ..... -->
<!-- file: xhtml-form-1.mod

```

This is XHTML, a reformulation of HTML as a modular XML application.
 Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
 Revision: \$Id: xhtml-form-1.mod,v 4.1 2001/04/10 09:42:30 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```

PUBLIC "-//W3C//ELEMENTS XHTML Forms 1.0//EN"
SYSTEM "http://www.w3.org/Markup/DTD/xhtml-form-1.mod"

```

Revisions:

(none)

```

..... -->

```

<!-- Forms

form, label, input, select, optgroup, option,
textarea, fieldset, legend, button

This module declares markup to provide support for online forms, based on the features found in HTML 4 forms.

```
-->

<!-- declare qualified element type names:
-->
<!ENTITY % form.qname "form" >
<!ENTITY % label.qname "label" >
<!ENTITY % input.qname "input" >
<!ENTITY % select.qname "select" >
<!ENTITY % optgroup.qname "optgroup" >
<!ENTITY % option.qname "option" >
<!ENTITY % textarea.qname "textarea" >
<!ENTITY % fieldset.qname "fieldset" >
<!ENTITY % legend.qname "legend" >
<!ENTITY % button.qname "button" >

<!-- %BlkNoForm.mix; includes all non-form block elements,
plus %Misc.class;
-->
<!ENTITY % BlkNoForm.mix
"%Heading.class;
| %List.class;
| %BlkStruct.class;
%BlkPhras.class;
%BlkPres.class;
%Table.class;
%Block.extra;
%Misc.class;"
>

<!-- form: Form Element ..... -->

<!ENTITY % form.element "INCLUDE" >
<![%form.element;[
<!ENTITY % form.content
"( %BlkNoForm.mix;
| %fieldset.qname; )+"
>
<!ELEMENT %form.qname; %form.content; >
<!-- end of form.element -->]]>

<!ENTITY % form.attlist "INCLUDE" >
<![%form.attlist;[
<!ATTLIST %form.qname;
```

```

%Common.attrib;
action %URI.datatype; #REQUIRED
method ( get | post ) 'get'
enctype %ContentType.datatype; 'application/x-www-form-urlencoded'
accept-charset %Charsets.datatype; #IMPLIED
accept %ContentTypes.datatype; #IMPLIED
>
<!-- end of form.attlist -->]]>

```

```

<!-- label: Form Field Label Text ..... -->

```

```

<!-- Each label must not contain more than ONE field
-->

```

```

<!ENTITY % label.element "INCLUDE" >
<![%label.element;[
<!ENTITY % label.content
"( #PCDATA
| %input.qname; | %select.qname; | %textarea.qname; | %button.qname;
| %InlStruct.class;
%InlPhras.class;
%I18n.class;
%InlPres.class;
%Anchor.class;
%InlSpecial.class;
%Inline.extra;
%Misc.class; )*"
>
<!ELEMENT %label.qname; %label.content; >
<!-- end of label.element -->]]>

```

```

<!ENTITY % label.attlist "INCLUDE" >
<![%label.attlist;[
<!ATTLIST %label.qname;
%Common.attrib;
for IDREF #IMPLIED
accesskey %Character.datatype; #IMPLIED
>
<!-- end of label.attlist -->]]>

```

```

<!-- input: Form Control ..... -->

```

```

<!ENTITY % input.element "INCLUDE" >
<![%input.element;[
<!ENTITY % input.content "EMPTY" >
<!ELEMENT %input.qname; %input.content; >
<!-- end of input.element -->]]>

```

```

<!ENTITY % input.attlist "INCLUDE" >
<![%input.attlist;[
<!ENTITY % InputType.class
    "( text | password | checkbox | radio | submit
    | reset | file | hidden | image | button )"
>
<!-- attribute 'name' required for all but submit & reset
-->
<!ATTLIST %input.qname;
    %Common.attrib;
    type      %InputType.class;    'text'
    name      CDATA                #IMPLIED
    value     CDATA                #IMPLIED
    checked   ( checked )         #IMPLIED
    disabled  ( disabled )        #IMPLIED
    readonly  ( readonly )        #IMPLIED
    size      %Number.datatype;    #IMPLIED
    maxlength %Number.datatype;    #IMPLIED
    src       %URI.datatype;       #IMPLIED
    alt       %Text.datatype;      #IMPLIED
    tabindex  %Number.datatype;    #IMPLIED
    accesskey %Character.datatype; #IMPLIED
    accept    %ContentTypes.datatype; #IMPLIED
>
<!-- end of input.attlist -->]]>

<!-- select: Option Selector ..... -->

<!ENTITY % select.element "INCLUDE" >
<![%select.element;[
<!ENTITY % select.content
    "( %optgroup.qname; | %option.qname; )+"
>
<!ELEMENT %select.qname; %select.content; >
<!-- end of select.element -->]]>

<!ENTITY % select.attlist "INCLUDE" >
<![%select.attlist;[
<!ATTLIST %select.qname;
    %Common.attrib;
    name      CDATA                #IMPLIED
    size      %Number.datatype;    #IMPLIED
    multiple  ( multiple )         #IMPLIED
    disabled  ( disabled )        #IMPLIED
    tabindex  %Number.datatype;    #IMPLIED
>
<!-- end of select.attlist -->]]>

```

```
<!-- optgroup: Option Group ..... -->

<!ENTITY % optgroup.element "INCLUDE" >
<![%optgroup.element;[
<!ENTITY % optgroup.content "( %option.qname; )+" >
<!ELEMENT %optgroup.qname; %optgroup.content; >
<!-- end of optgroup.element -->]]>
```

```
<!ENTITY % optgroup.attlist "INCLUDE" >
<![%optgroup.attlist;[
<!ATTLIST %optgroup.qname;
    %Common.attrib;
    disabled ( disabled )      #IMPLIED
    label    %Text.datatype;   #REQUIRED
>
<!-- end of optgroup.attlist -->]]>
```

```
<!-- option: Selectable Choice ..... -->
```

```
<!ENTITY % option.element "INCLUDE" >
<![%option.element;[
<!ENTITY % option.content "( #PCDATA )" >
<!ELEMENT %option.qname; %option.content; >
<!-- end of option.element -->]]>
```

```
<!ENTITY % option.attlist "INCLUDE" >
<![%option.attlist;[
<!ATTLIST %option.qname;
    %Common.attrib;
    selected ( selected )      #IMPLIED
    disabled ( disabled )      #IMPLIED
    label    %Text.datatype;   #IMPLIED
    value    CDATA              #IMPLIED
>
<!-- end of option.attlist -->]]>
```

```
<!-- textarea: Multi-Line Text Field ..... -->
```

```
<!ENTITY % textarea.element "INCLUDE" >
<![%textarea.element;[
<!ENTITY % textarea.content "( #PCDATA )" >
<!ELEMENT %textarea.qname; %textarea.content; >
<!-- end of textarea.element -->]]>
```

```
<!ENTITY % textarea.attlist "INCLUDE" >
<![%textarea.attlist;[
<!ATTLIST %textarea.qname;
    %Common.attrib;
```

```

name      CDATA          #IMPLIED
rows      %Number.datatype;  #REQUIRED
cols      %Number.datatype;  #REQUIRED
disabled  ( disabled )    #IMPLIED
readonly  ( readonly )    #IMPLIED
tabindex  %Number.datatype;  #IMPLIED
accesskey %Character.datatype; #IMPLIED
>
<!-- end of textarea.attlist -->]]>

<!-- fieldset: Form Control Group ..... -->

<!-- #PCDATA is to solve the mixed content problem,
per specification only whitespace is allowed
-->

<!ENTITY % fieldset.element "INCLUDE" >
<![%fieldset.element;[
<!ENTITY % fieldset.content
"( #PCDATA | %legend.qname; | %Flow.mix; )*"
>
<!ELEMENT %fieldset.qname; %fieldset.content; >
<!-- end of fieldset.element -->]]>

<!ENTITY % fieldset.attlist "INCLUDE" >
<![%fieldset.attlist;[
<!ATTLIST %fieldset.qname;
%Common.attrib;
>
<!-- end of fieldset.attlist -->]]>

<!-- legend: Fieldset Legend ..... -->

<!ENTITY % legend.element "INCLUDE" >
<![%legend.element;[
<!ENTITY % legend.content
"( #PCDATA | %Inline.mix; )*"
>
<!ELEMENT %legend.qname; %legend.content; >
<!-- end of legend.element -->]]>

<!ENTITY % legend.attlist "INCLUDE" >
<![%legend.attlist;[
<!ATTLIST %legend.qname;
%Common.attrib;
accesskey %Character.datatype; #IMPLIED
>
<!-- end of legend.attlist -->]]>

```

```

<!-- button: Push Button ..... -->

<!ENTITY % button.element "INCLUDE" >
<![%button.element;[
<!ENTITY % button.content
  "( #PCDATA
   | %BlkNoForm.mix;
   | %InlStruct.class;
   %InlPhras.class;
   %InlPres.class;
   %I18n.class;
   %InlSpecial.class;
   %Inline.extra; )*"
>
<!ELEMENT %button.qname; %button.content; >
<!-- end of button.element -->]]>

<!ENTITY % button.attlist "INCLUDE" >
<![%button.attlist;[
<!ATTLIST %button.qname;
  %Common.attrib;
  name      CDATA          #IMPLIED
  value     CDATA          #IMPLIED
  type      ( button | submit | reset ) 'submit'
  disabled  ( disabled )   #IMPLIED
  tabindex  %Number.datatype; #IMPLIED
  accesskey %Character.datatype; #IMPLIED
>
<!-- end of button.attlist -->]]>

<!-- end of xhtml-form-1.mod -->

```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-form-1.mod
```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- XHTML Block Phrasal Module ..... -->
<!-- file: xhtml-blkphras-1.mod

```

This is XHTML, a reformulation of HTML as a modular XML application.

Copyright 1998-2000 W3C (MIT, INRIA, Keio), All Rights Reserved.

Revision: \$Id: xhtml-blkphras-1.mod,v 1.1 2001/02/13 12:24:22 ht Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ELEMENTS XHTML Block Phrasal 1.0//EN"
SYSTEM "http://www.w3.org/TR/xhtml-modulization/DTD/xhtml-blkphras-1.mod"

Revisions:

(none)

..... -->

<!-- Block Phrasal

address, blockquote, pre, h1, h2, h3, h4, h5, h6

This module declares the elements and their attributes used to
support block-level phrasal markup.

-->

```
<!ENTITY % address.element "INCLUDE" >
<![%address.element;[
<!ENTITY % address.content
    "( #PCDATA | %Inline.mix; )" >
<!ENTITY % address.qname "address" >
<!ELEMENT %address.qname; %address.content; >
<!-- end of address.element -->]]>
```

```
<!ENTITY % address.attlist "INCLUDE" >
<![%address.attlist;[
<!ATTLIST %address.qname;
    %Common.attrib;
>
<!-- end of address.attlist -->]]>
```

```
<!ENTITY % blockquote.element "INCLUDE" >
<![%blockquote.element;[
<!ENTITY % blockquote.content
    "( %Block.mix; )" >
>
<!ENTITY % blockquote.qname "blockquote" >
<!ELEMENT %blockquote.qname; %blockquote.content; >
<!-- end of blockquote.element -->]]>
```

```
<!ENTITY % blockquote.attlist "INCLUDE" >
<![%blockquote.attlist;[
<!ATTLIST %blockquote.qname;
    %Common.attrib;
    cite    %URI.datatype;    #IMPLIED
>
<!-- end of blockquote.attlist -->]]>
```

```
<!ENTITY % pre.element "INCLUDE" >
```

```

<![%pre.element;[
<!ENTITY % pre.content
    "( #PCDATA
    | %InlStruct.class;
    %InlPhras.class;
    | %tt.qname; | %i.qname; | %b.qname;
    %I18n.class;
    %Anchor.class;
    | %script.qname; | %map.qname;
    %Inline.extra; )*"
>
<!ENTITY % pre.qname "pre" >
<!ELEMENT %pre.qname; %pre.content; >
<!-- end of pre.element -->]]>

<!ENTITY % pre.attlist "INCLUDE" >
<![%pre.attlist;[
<!ATTLIST %pre.qname;
    %Common.attrib;
    xml:space (default|preserve)          #FIXED 'preserve'
>
<!-- end of pre.attlist -->]]>

<!-- ..... Heading Elements ..... -->

<!ENTITY % Heading.content "( #PCDATA | %Inline.mix; )*" >

<!ENTITY % h1.element "INCLUDE" >
<![%h1.element;[
<!ENTITY % h1.qname "h1" >
<!ELEMENT %h1.qname; %Heading.content; >
<!-- end of h1.element -->]]>

<!ENTITY % h1.attlist "INCLUDE" >
<![%h1.attlist;[
<!ATTLIST %h1.qname;
    %Common.attrib;
>
<!-- end of h1.attlist -->]]>

<!ENTITY % h2.element "INCLUDE" >
<![%h2.element;[
<!ENTITY % h2.qname "h2" >
<!ELEMENT %h2.qname; %Heading.content; >
<!-- end of h2.element -->]]>

<!ENTITY % h2.attlist "INCLUDE" >
<![%h2.attlist;[

```



```

<!ATTLIST %h2.qname;
    %Common.attrib;
>
<!-- end of h2.attlist -->]]>

<!ENTITY % h3.element "INCLUDE" >
<![%h3.element;[
<!ENTITY % h3.qname "h3" >
<!ELEMENT %h3.qname; %Heading.content; >
<!-- end of h3.element -->]]>

<!ENTITY % h3.attlist "INCLUDE" >
<![%h3.attlist;[
<!ATTLIST %h3.qname;
    %Common.attrib;
>
<!-- end of h3.attlist -->]]>

<!ENTITY % h4.element "INCLUDE" >
<![%h4.element;[
<!ENTITY % h4.qname "h4" >
<!ELEMENT %h4.qname; %Heading.content; >
<!-- end of h4.element -->]]>

<!ENTITY % h4.attlist "INCLUDE" >
<![%h4.attlist;[
<!ATTLIST %h4.qname;
    %Common.attrib;
>
<!-- end of h4.attlist -->]]>

<!ENTITY % h5.element "INCLUDE" >
<![%h5.element;[
<!ENTITY % h5.qname "h5" >
<!ELEMENT %h5.qname; %Heading.content; >
<!-- end of h5.element -->]]>

<!ENTITY % h5.attlist "INCLUDE" >
<![%h5.attlist;[
<!ATTLIST %h5.qname;
    %Common.attrib;
>
<!-- end of h5.attlist -->]]>

<!ENTITY % h6.element "INCLUDE" >
<![%h6.element;[
<!ENTITY % h6.qname "h6" >
<!ELEMENT %h6.qname; %Heading.content; >

```

<!-- end of h6.element -->]]>

```
<!ENTITY % h6.attlist "INCLUDE" >
<![%h6.attlist;[
<!ATTLIST %h6.qname;
    %Common.attrib;
>
<!-- end of h6.attlist -->]]>
```

<!-- end of xhtml-blkphras-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/rddl/xhtml-blkphras-1.mod

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Legacy Markup Module ..... -->
<!-- file: xhtml-legacy-1.mod
```

This is an extension of XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2005 W3C (MIT, ERCIM, Keio), All Rights Reserved.
Revision: \$Id: xhtml-legacy-1.mod,v 4.1 2001/04/10 09:42:30 altheim Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

```
PUBLIC "-//W3C//ELEMENTS XHTML Legacy Markup 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-legacy-1.mod"
```

Revisions:

(none)

```
..... -->
```

<!-- HTML Legacy Markup

font, basefont, center, s, strike, u, dir, menu, isindex

(plus additional datatypes and attributes)

This optional module declares additional markup for simple presentation-related markup based on features found in the HTML 4 Transitional and Frameset DTDs. This relies on inclusion of the Legacy Redclarations module. This module also declares the frames, inline frames and object modules.

This is to allow XHTML 1.1 documents to be transformed for display on HTML browsers where CSS support is inconsistent or unavailable.

-->

<!-- Constructing a Legacy DTD

To construct a DTD driver obtaining a close approximation of the HTML 4 Transitional and Frameset DTDs, declare the Legacy Redeclarations module as the pre-framework redeclaration parameter entity (%xhtml-prefw-redecl.mod;) and INCLUDE its conditional section:

```
...
<!ENTITY % xhtml-prefw-redecl.module "INCLUDE" >
<![%xhtml-prefw-redecl.module;[
<!ENTITY % xhtml-prefw-redecl.mod
PUBLIC "-//W3C//ELEMENTS XHTML Legacy Redeclarations 1.0//EN"
"xhtml-legacy-redecl-1.mod" >
%xhtml-prefw-redecl.mod;]]>
```

Such a DTD should be named with a variant FPI and redeclare the value of the %XHTML.version; parameter entity to that FPI:

```
"-//Your Name Here//DTD XHTML Legacy 1.1//EN"
```

IMPORTANT: see also the notes included in the Legacy Redeclarations Module for information on how to construct a DTD using this module.

-->

<!-- Additional Element Types -->

<!-- font: Local Font Modifier -->

```
<!ENTITY % font.element "INCLUDE" >
<![%font.element;[
<!ENTITY % font.content
"( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % font.qname "font" >
<!ELEMENT %font.qname; %font.content; >
<!-- end of font.element -->]]>
```

```
<!ENTITY % font.attlist "INCLUDE" >
<![%font.attlist;[
<!ATTLIST %font.qname;
%Core.attrib;
%I18n.attrib;
size CDATA #IMPLIED
color %Color.datatype; #IMPLIED
face CDATA #IMPLIED
```

```

>
<!-- end of font.attlist -->]]>

<!-- basefont: Base Font Size ..... -->

<!ENTITY % basefont.element "INCLUDE" >
<![%basefont.element;[
<!ENTITY % basefont.content "EMPTY" >
<!ENTITY % basefont.qname "basefont" >
<!ELEMENT %basefont.qname; %basefont.content; >
<!-- end of basefont.element -->]]>

<!ENTITY % basefont.attlist "INCLUDE" >
<![%basefont.attlist;[
<!ATTLIST %basefont.qname;
    %id.attrib;
    size    CDATA          #REQUIRED
    color   %Color.datatype; #IMPLIED
    face    CDATA          #IMPLIED
>
<!-- end of basefont.attlist -->]]>

<!-- center: Center Alignment ..... -->

<!ENTITY % center.element "INCLUDE" >
<![%center.element;[
<!ENTITY % center.content
    "( #PCDATA | %Flow.mix; )*"
>
<!ENTITY % center.qname "center" >
<!ELEMENT %center.qname; %center.content; >
<!-- end of center.element -->]]>

<!ENTITY % center.attlist "INCLUDE" >
<![%center.attlist;[
<!ATTLIST %center.qname;
    %Common.attrib;
>
<!-- end of center.attlist -->]]>

<!-- s: Strike-Thru Text Style ..... -->

<!ENTITY % s.element "INCLUDE" >
<![%s.element;[
<!ENTITY % s.content
    "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % s.qname "s" >

```

```
<!ELEMENT %s.qname; %s.content; >
<!-- end of s.element -->]]>
```

```
<!ENTITY % s.attlist "INCLUDE" >
<![%s.attlist;[
<!ATTLIST %s.qname;
    %Common.attrib;
>
<!-- end of s.attlist -->]]>
```

```
<!-- strike: Strike-Thru Text Style .....-->
```

```
<!ENTITY % strike.element "INCLUDE" >
<![%strike.element;[
<!ENTITY % strike.content
    "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % strike.qname "strike" >
<!ELEMENT %strike.qname; %strike.content; >
<!-- end of strike.element -->]]>
```

```
<!ENTITY % strike.attlist "INCLUDE" >
<![%strike.attlist;[
<!ATTLIST %strike.qname;
    %Common.attrib;
>
<!-- end of strike.attlist -->]]>
```

```
<!-- u: Underline Text Style .....-->
```

```
<!ENTITY % u.element "INCLUDE" >
<![%u.element;[
<!ENTITY % u.content
    "( #PCDATA | %Inline.mix; )*"
>
<!ENTITY % u.qname "u" >
<!ELEMENT %u.qname; %u.content; >
<!-- end of u.element -->]]>
```

```
<!ENTITY % u.attlist "INCLUDE" >
<![%u.attlist;[
<!ATTLIST %u.qname;
    %Common.attrib;
>
<!-- end of u.attlist -->]]>
```

```
<!-- dir: Directory List ..... -->
```

```

<!-- NOTE: the content model for <dir> in HTML 4 excluded %Block.mix;
-->
<!ENTITY % dir.element "INCLUDE" >
<![%dir.element;[
<!ENTITY % dir.content
    "( %li.qname; )+"
>
<!ENTITY % dir.qname "dir" >
<!ELEMENT %dir.qname; %dir.content; >
<!-- end of dir.element -->]]>

```

```

<!ENTITY % dir.attlist "INCLUDE" >
<![%dir.attlist;[
<!ATTLIST %dir.qname;
    %Common.attrib;
    compact    ( compact )    #IMPLIED
>
<!-- end of dir.attlist -->]]>

```

```

<!-- menu: Menu List ..... -->

```

```

<!-- NOTE: the content model for <menu> in HTML 4 excluded %Block.mix;
-->
<!ENTITY % menu.element "INCLUDE" >
<![%menu.element;[
<!ENTITY % menu.content
    "( %li.qname; )+"
>
<!ENTITY % menu.qname "menu" >
<!ELEMENT %menu.qname; %menu.content; >
<!-- end of menu.element -->]]>

```

```

<!ENTITY % menu.attlist "INCLUDE" >
<![%menu.attlist;[
<!ATTLIST %menu.qname;
    %Common.attrib;
    compact    ( compact )    #IMPLIED
>
<!-- end of menu.attlist -->]]>

```

```

<!-- isindex: Single-Line Prompt ..... -->

```

```

<!ENTITY % isindex.element "INCLUDE" >
<![%isindex.element;[
<!ENTITY % isindex.content "EMPTY" >
<!ENTITY % isindex.qname "isindex" >
<!ELEMENT %isindex.qname; %isindex.content; >
<!-- end of isindex.element -->]]>

```

```

<!ENTITY % isindex.attlist "INCLUDE" >
<![%isindex.attlist;[
<!ATTLIST %isindex.qname;
    %Core.attrib;
    %I18n.attrib;
    prompt    %Text.datatype;    #IMPLIED
>
<!-- end of isindex.attlist -->]]>

<!-- Additional Attributes ..... -->

<!-- Alignment attribute for Transitional use in HTML browsers
      (this functionality is generally well-supported in CSS,
      except within some contexts)
-->
<!ENTITY % align.attrib
    "align    ( left | center | right | justify ) #IMPLIED"
>

<!ATTLIST %applet.qname;
    align    ( top | middle | bottom | left | right ) #IMPLIED
    hspace   %Pixels.datatype;    #IMPLIED
    vspace   %Pixels.datatype;    #IMPLIED
>

<!ATTLIST %body.qname;
    background %URI.datatype;    #IMPLIED
    bgcolor    %Color.datatype;   #IMPLIED
    text       %Color.datatype;   #IMPLIED
    link       %Color.datatype;   #IMPLIED
    vlink      %Color.datatype;   #IMPLIED
    alink      %Color.datatype;   #IMPLIED
>

<!ATTLIST %br.qname;
    clear     ( left | all | right | none ) 'none'
>

<!ATTLIST %caption.qname;
    align     ( top | bottom | left | right ) #IMPLIED
>

<!ATTLIST %div.qname;
    %align.attrib;
>

```

```
<!ATTLIST %h1.qname;
  %align.attrib;
>
```

```
<!ATTLIST %h2.qname;
  %align.attrib;
>
```

```
<!ATTLIST %h3.qname;
  %align.attrib;
>
```

```
<!ATTLIST %h4.qname;
  %align.attrib;
>
```

```
<!ATTLIST %h5.qname;
  %align.attrib;
>
```

```
<!ATTLIST %h6.qname;
  %align.attrib;
>
```

```
<!ATTLIST %hr.qname;
  align      ( left | center | right ) #IMPLIED
  noshade    ( noshade )             #IMPLIED
  size       %Pixels.datatype;      #IMPLIED
  width      %Length.datatype;      #IMPLIED
>
```

```
<!ATTLIST %img.qname;
  align      ( top | middle | bottom | left | right ) #IMPLIED
  border     %Pixels.datatype;      #IMPLIED
  hspace     %Pixels.datatype;      #IMPLIED
  vspace     %Pixels.datatype;      #IMPLIED
>
```

```
<!ATTLIST %input.qname;
  align      ( top | middle | bottom | left | right ) #IMPLIED
>
```

```
<!ATTLIST %legend.qname;
  align      ( top | bottom | left | right ) #IMPLIED
>
```

```
<!ATTLIST %li.qname;
  type       CDATA                  #IMPLIED
>
```



```

value    %Number.datatype;    #IMPLIED
>

<!ATTLIST %object.qname;
align    ( top | middle | bottom | left | right ) #IMPLIED
border    %Pixels.datatype;    #IMPLIED
hspace    %Pixels.datatype;    #IMPLIED
vspace    %Pixels.datatype;    #IMPLIED
>

<!ATTLIST %dl.qname;
compact    ( compact )    #IMPLIED
>

<!ATTLIST %ol.qname;
type      CDATA            #IMPLIED
compact    ( compact )    #IMPLIED
start      %Number.datatype;    #IMPLIED
>

<!ATTLIST %p.qname;
align.attrib;
>

<!ATTLIST %pre.qname;
width      %Length.datatype;    #IMPLIED
>

<!ATTLIST %script.qname;
language    %ContentType.datatype; #IMPLIED
>

<!ATTLIST %table.qname;
align      ( left | center | right ) #IMPLIED
bgcolor    %Color.datatype;    #IMPLIED
>

<!ATTLIST %tr.qname;
bgcolor    %Color.datatype;    #IMPLIED
>

<!ATTLIST %th.qname;
nowrap      ( nowrap )    #IMPLIED
bgcolor    %Color.datatype;    #IMPLIED
width      %Length.datatype;    #IMPLIED
height     %Length.datatype;    #IMPLIED
>

```

```

<!ATTLIST %td.qname;
  nowrap    ( nowrap )      #IMPLIED
  bgcolor   %Color.datatype; #IMPLIED
  width     %Length.datatype; #IMPLIED
  height    %Length.datatype; #IMPLIED
>

<!ATTLIST %ul.qname;
  type      CDATA          #IMPLIED
  compact   ( compact )   #IMPLIED
>

<!-- Frames Module ..... -->
<!ENTITY % xhtml-frames.module "IGNORE" >
<![%xhtml-frames.module;[
<!ENTITY % xhtml-frames.mod
  PUBLIC "-//W3C//ELEMENTS XHTML Frames 1.0//EN"
    "xhtml-frames-1.mod" >
% xhtml-frames.mod;]]>

```

```

<!-- Inline Frames Module ..... -->
<!ENTITY % xhtml-iframe.module "INCLUDE" >
<![%xhtml-iframe.module;[
<!ATTLIST %iframe.qname;
  align     ( top | middle | bottom | left | right ) #IMPLIED
>
<!ENTITY % xhtml-iframe.mod
  PUBLIC "-//W3C//ELEMENTS XHTML Inline Frame Element 1.0//EN"
    "xhtml-iframe-1.mod" >
% xhtml-iframe.mod;]]>

```

```

<!-- end of xhtml-legacy-1.mod -->

```

Found in path(s):

```

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-legacy-1.mod

```

No license file was found, but licenses were detected in source scan.

```

<!-- ..... -->
<!-- XHTML Hypertext Attributes Module ..... -->
<!-- file: xhtml-hyperAttributes-1.mod

```

This is XHTML-RDFa, modules to annotate XHTML family documents.

Copyright 2007 W3C (MIT, ERCIM, Keio), All Rights Reserved.

Revision: \$Id: xhtml-hyperAttributes-1.mod,v 1.2 2007/08/11 19:06:51 jigsaw Exp \$

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ENTITIES XHTML HyperAttributes 1.0//EN"
SYSTEM "http://www.w3.org/MarkUp/DTD/xhtml-hyperAttributes-1.mod"

Revisions:

..... -->

<!-- Common Attributes

This module declares a collection of hypertext related attributes.

%NS.decl.attrib; is declared in the XHTML QName module.

This file also includes declarations of "global" versions of the attributes. The global versions of the attributes are for use on elements in other namespaces.

-->

```
<!ENTITY % href.attrib
  "href    %URI.datatype;    #IMPLIED"
>
```

```
<![%XHTML.global.attrs.prefixed;[
<!ENTITY % XHTML.global.href.attrib
  "%XHTML.prefix::href    %URI.datatype;    #IMPLIED"
>
]]>
```

```
<!ENTITY % hreflang.attrib
  "hreflang %LanguageCode.datatype;    #IMPLIED"
>
```

```
<![%XHTML.global.attrs.prefixed;[
<!ENTITY % XHTML.global.hreflang.attrib
  "%XHTML.prefix::hreflang    %LanguageCode.datatype;    #IMPLIED"
>
]]>
```

```
<!ENTITY % hrefmedia.attrib
  "hrefmedia    %MediaDesc.datatype;    #IMPLIED"
>
```

```
<![%XHTML.global.attrs.prefixed;[
<!ENTITY % XHTML.global.hrefmedia.attrib
  "%XHTML.prefix::hrefmedia    %MediaDesc.datatype;    #IMPLIED"
>
]]>
```

```
<!ENTITY % hreftype.attrib
  "hreftype      %ContentTypes.datatype;      #IMPLIED"
>
```

```
<![%XHTML.global.attrs.prefixed;[
<!ENTITY % XHTML.global.hreftype.attrib
  "%XHTML.prefix;:hreftype      %ContentTypes.datatype;      #IMPLIED"
>
]]>
```

```
<!ENTITY % Hyper.attrib.extra "" >
```

```
<!ENTITY % Hyper.attrib
  "%href.attrib;
  %hreflang.attrib;
  %hrefmedia.attrib;
  %hreftype.attrib;
  %Hyper.attrib.extra;"
>
```

```
<!ENTITY % XHTML.global.hyper.attrib.extra "" >
```

```
<![%XHTML.global.attrs.prefixed;[
<!ENTITY % XHTML.global.hyper.attrib
  "%XHTML.global.href.attrib;
  %XHTML.global.hreflang.attrib;
  %XHTML.global.hrefmedia.attrib;
  %XHTML.global.hreftype.attrib;
  %XHTML.global.hyper.attrib.extra;"
>
]]>
```

```
<!ENTITY % XHTML.global.hyper.attrib "" >
```

```
<!-- end of xhtml-hyperAttributes-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/xhtml11/xhtml-hyperAttributes-1.mod
```

No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- XHTML Link Element Module ..... -->
<!-- file: xhtml-link-1.mod
```

This is XHTML, a reformulation of HTML as a modular XML application.

Copyright 1998-2000 W3C (MIT, INRIA, Keio), All Rights Reserved.

Revision: \$Id: xhtml-link-1.mod,v 1.1 2001/02/13 12:24:22 ht Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ELEMENTS XHTML Link Element 1.0//EN"

SYSTEM "http://www.w3.org/TR/xhtml-modulization/DTD/xhtml-link-1.mod"

Revisions:

(none)

..... -->

<!-- Link element

link

This module declares the link element type and its attributes, which could (in principle) be used to define document-level links to external resources such as:

- a) for document specific toolbars/menus, e.g. start, contents, previous, next, index, end, help
- b) to link to a separate style sheet (rel="stylesheet")
- c) to make a link to a script (rel="script")
- d) by stylesheets to control how collections of html nodes are rendered into printed documents
- e) to make a link to a printable version of this document
e.g. a postscript or pdf version (rel="alternate" media="print")

-->

<!-- link: Media-Independent Link -->

<!ENTITY % link.element "INCLUDE" >

<![%link.element;[

<!ENTITY % link.content "EMPTY" >

<!ENTITY % link.qname "link" >

<!ELEMENT %link.qname; %link.content; >

<!-- end of link.element -->]]>

<!ENTITY % link.attlist "INCLUDE" >

<![%link.attlist;[

<!ATTLIST %link.qname;

%Common.attrib;

charset %Charset.datatype; #IMPLIED

href %URI.datatype; #IMPLIED

hreflang %LanguageCode.datatype; #IMPLIED

type %ContentType.datatype; #IMPLIED

rel %LinkTypes.datatype; #IMPLIED

rev %LinkTypes.datatype; #IMPLIED

media %MediaDesc.datatype; #IMPLIED

>
<!-- end of link.attlist -->]]>

<!-- end of xhtml-link-1.mod -->

Found in path(s):

* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-jar/net/sf/saxon/data/w3c/rddl/xhtml-link-1.mod

No license file was found, but licenses were detected in source scan.

<!-- -->
<!-- XHTML Lists Module -->
<!-- file: xhtml-list-1.mod

This is XHTML, a reformulation of HTML as a modular XML application.
Copyright 1998-2000 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: \$Id: xhtml-list-1.mod,v 1.1 2001/02/13 12:24:22 ht Exp \$ SMI

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ELEMENTS XHTML Lists 1.0//EN"
SYSTEM "http://www.w3.org/TR/xhtml-modulization/DTD/xhtml-list-1.mod"

Revisions:

(none)
..... -->

<!-- Lists

dl, dt, dd, ol, ul, li

This module declares the list-oriented element types
and their attributes.

-->

<!ENTITY % dl.qname "dl" >
<!ENTITY % dt.qname "dt" >
<!ENTITY % dd.qname "dd" >
<!ENTITY % ol.qname "ol" >
<!ENTITY % ul.qname "ul" >
<!ENTITY % li.qname "li" >

<!-- dl: Definition List -->

<!ENTITY % dl.element "INCLUDE" >
<![%dl.element;
<!ENTITY % dl.content "(%dt.qname; | %dd.qname;)+" >
<!ELEMENT %dl.qname; %dl.content; >

<!-- end of dl.element -->]]>

<!ENTITY % dl.attlist "INCLUDE" >

<![%dl.attlist;

<!ATTLIST %dl.qname;

 %Common.attrib;

>

<!-- end of dl.attlist -->]]>

<!-- dt: Definition Term -->

<!ENTITY % dt.element "INCLUDE" >

<![%dt.element;

<!ENTITY % dt.content

 "(#PCDATA | %Inline.mix;)*"

>

<!ELEMENT %dt.qname; %dt.content; >

<!-- end of dt.element -->]]>

<!ENTITY % dt.attlist "INCLUDE" >

<![%dt.attlist;

<!ATTLIST %dt.qname;

 %Common.attrib;

>

<!-- end of dt.attlist -->]]>

<!-- dd: Definition Description -->

<!ENTITY % dd.element "INCLUDE" >

<![%dd.element;

<!ENTITY % dd.content

 "(#PCDATA | %Flow.mix;)*"

>

<!ELEMENT %dd.qname; %dd.content; >

<!-- end of dd.element -->]]>

<!ENTITY % dd.attlist "INCLUDE" >

<![%dd.attlist;

<!ATTLIST %dd.qname;

 %Common.attrib;

>

<!-- end of dd.attlist -->]]>

<!-- ol: Ordered List (numbered styles) -->

<!ENTITY % ol.element "INCLUDE" >

<![%ol.element;

<!ENTITY % ol.content "(%li.qname;)+ " >

```
<!ELEMENT %ol.qname; %ol.content; >
<!-- end of ol.element -->]]>
```

```
<!ENTITY % ol.attlist "INCLUDE" >
<![%ol.attlist;[
<!ATTLIST %ol.qname;
    %Common.attrib;
>
<!-- end of ol.attlist -->]]>
```

```
<!-- ul: Unordered List (bullet styles) ..... -->
```

```
<!ENTITY % ul.element "INCLUDE" >
<![%ul.element;[
<!ENTITY % ul.content "( %li.qname; )+" >
<!ELEMENT %ul.qname; %ul.content; >
<!-- end of ul.element -->]]>
```

```
<!ENTITY % ul.attlist "INCLUDE" >
<![%ul.attlist;[
<!ATTLIST %ul.qname;
    %Common.attrib;
>
<!-- end of ul.attlist -->]]>
```

```
<!-- li: List Item ..... -->
```

```
<!ENTITY % li.element "INCLUDE" >
<![%li.element;[
<!ENTITY % li.content
    "( #PCDATA | %Flow.mix; )*"
>
<!ELEMENT %li.qname; %li.content; >
<!-- end of li.element -->]]>
```

```
<!ENTITY % li.attlist "INCLUDE" >
<![%li.attlist;[
<!ATTLIST %li.qname;
    %Common.attrib;
>
<!-- end of li.attlist -->]]>
```

```
<!-- end of xhtml-list-1.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/rddl/xhtml-list-1.mod
```


No license file was found, but licenses were detected in source scan.

```
<!-- ..... -->
<!-- SVG 1.1 Viewport Attribute Module ..... -->
<!-- file: svg-viewport-attrib.mod

This is SVG, a language for describing two-dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: $Id: svg-viewport-attrib.mod,v 1.2 2002/04/20 18:07:43 fujisawa Exp $

This DTD module is identified by the PUBLIC and SYSTEM identifiers:

PUBLIC "-//W3C//ENTITIES SVG 1.1 Viewport Attribute//EN"
SYSTEM "http://www.w3.org/Graphics/SVG/1.1/DTD/svg-viewport-attrib.mod"

..... -->

<!-- Viewport Attribute

clip, overflow

This module defines the Viewport attribute set.
-->

<!-- 'clip' property/attribute value (e.g., 'auto', rect(...)) -->
<!ENTITY % ClipValue.datatype "CDATA" >

<!ENTITY % SVG.clip.attrib
"clip %ClipValue.datatype; #IMPLIED"
>

<!ENTITY % SVG.overflow.attrib
"overflow ( visible | hidden | scroll | auto | inherit ) #IMPLIED"
>

<!ENTITY % SVG.Viewport.extra.attrib "" >

<!ENTITY % SVG.Viewport.attrib
"%SVG.clip.attrib;
%SVG.overflow.attrib;
%SVG.Viewport.extra.attrib;"
>

<!-- end of svg-viewport-attrib.mod -->
```

Found in path(s):

```
* /opt/cola/permits/1340815750_1654855500.4515722/0/saxon-he-10-6-sources-
jar/net/sf/saxon/data/w3c/svg11/svg-viewport-attrib.mod
```

1.178 fabric8-:::-kubernetes-model-:::- coordination 5.12.1

1.178.1 Available under license :

No license file was found, but licenses were detected in source scan.

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1.179 jakarta-expression-language-3.0-api 4.0.0

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 */
```

Found in path(s):

```
*/opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/classloaderhandler/AntClassLoaderHandler.java
```

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```
/*
 * This file is part of ClassGraph.
 *
 * Author: Luke Hutchison
 *
 * Hosted at: https://github.com/classgraph/classgraph
 *

```

```
* --
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Found in path(s):

```
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/classloaderhandler/JBossClassLoaderHandler.java
No license file was found, but licenses were detected in source scan.
```

```
/*
* This file is part of ClassGraph.
*
* Author: Luke Hutchison
*
* Hosted at: https://github.com/classgraph/classgraph
*
* --
```

```
* --
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Found in path(s):

* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/classpath/SystemJarFinder.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/HasName.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/ClassRefOrTypeVariableSignature.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/classloaderhandler/EquinoxContextFinderClassLoaderHandler.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/fastzipfilereader/PhysicalZipFile.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/classloaderhandler/TomcatWebappClassLoaderBaseHandler.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/ClassGraph.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/fastzipfilereader/ZipFileSlice.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/recycler/Recycler.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/ClasspathElementModule.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/MethodTypeSignature.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/FieldInfo.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/InfoList.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/classloaderhandler/ClassGraphClassLoaderHandler.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/json/ReferenceEqualityKey.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-

jar/io/github/classgraph/MethodParameterInfo.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/Utils/ReflectionUtils.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/AnnotationInfo.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/types/TypeUtils.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/ClassGraphClassLoader.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/recycler/Resetable.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/ModuleRef.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/ScanResult.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/classloaderhandler/ClassLoaderHandlerRegistry.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/TypeVariableSignature.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/ClassTypeSignature.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/Utils/CollectionUtils.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/MethodInfoList.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/concurrency/WorkQueue.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/json/ClassFieldCache.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/Utils/FastPathResolver.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/classloaderhandler/EquinoxClassLoaderHandler.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/ClasspathElementPathDir.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/ClassGraphException.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/json/JSONSerializer.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/ClassRefTypeSignature.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/BaseTypeSignature.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/Utils/JarUtils.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/json/JSONDeserializer.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-

jar/io/github/classgraph/AnnotationParameterValueList.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/TypeArgument.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/classpath/ClasspathFinder.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/concurrency/SingletonMap.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/AnnotationParameterValue.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/MethodInfo.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/classpath/ModuleFinder.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/ModulePathInfo.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/PackageInfoList.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/ClassInfoList.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/ClasspathElement.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/classloaderhandler/URLClassLoaderHandler.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/HierarchicalTypeSignature.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/AnnotationEnumValue.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/ObjectTypedValueWrapper.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/json/TypeResolutions.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/ScanResultObject.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/json/JSONArray.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/json/FieldTypeInfo.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/TypeSignature.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/classloaderhandler/WeblogicClassLoaderHandler.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/ModuleReaderProxy.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/types/Parser.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/classpath/ClassLoaderFinder.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-

jar/nonapi/io/github/classgraph/json/JSONParser.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/utils/LogNode.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/MappableInfoList.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/ClasspathElementZip.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/Resource.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/concurrency/InterruptedException.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/classloaderhandler/PlexusClassWorldsClassRealmClassLoaderHandler.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/TypeParameter.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/classloaderhandler/ParentLastDelegationOrderTestClassLoaderHandler.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/classloaderhandler/UnoOneJarClassLoaderHandler.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/classpath/ClassLoaderOrder.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/ClasspathElementFileDir.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/classpath/ClasspathOrder.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/utils/FileUtils.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/utils/VersionFinder.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/classloaderhandler/OSGiDefaultClassLoaderHandler.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/json/JSONObject.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/fastzipfilereader/NestedJarHandler.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/recycler/RecycleOnClose.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/ArrayClassInfo.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/scanspec/AcceptReject.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/AnnotationClassRef.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/classloaderhandler/JPMSClassLoaderHandler.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/ModuleInfo.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-

jar/io/github/classgraph/AnnotationInfoList.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/json/JSONReference.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/GraphvizDotfileGenerator.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/ModuleInfoList.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/Classfile.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/ReferenceTypeSignature.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/Scanner.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/fastzipfilereader/FastZipEntry.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/urls/URLPathEncoder.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/json/JSONUtils.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/json/ParameterizedTypeImpl.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/ClassInfo.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/FieldInfoList.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/classloaderhandler/FallbackClassLoaderHandler.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/classpath/CallStackReader.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/types/ParseException.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/json/ClassFields.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/PotentiallyUnmodifiableList.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/json/Id.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/fastzipfilereader/LogicalZipFile.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/scanspec/ScanSpec.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/ArrayTypeSignature.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/io/github/classgraph/PackageInfo.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/urls/StringUtils.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-

jar/nonapi/io/github/classgraph/classloaderhandler/ClassLoaderHandler.java

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/*

* This file is part of ClassGraph.

*

* Author: Harith Elrufaie

*

* Hosted at: <https://github.com/classgraph/classgraph>

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* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-

jar/nonapi/io/github/classgraph/classloaderhandler/FelixClassLoaderHandler.java

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* Author: R. Kempees

*

* With contributions from @cpierceworld (#414)

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jar/nonapi/io/github/classgraph/classloaderhandler/WebsphereLibertyClassLoaderHandler.java
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jar/nonapi/io/github/classgraph/fileslice/PathSlice.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/fileslice/Slice.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/fileslice/reader/RandomAccessByteBufferReader.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/fileslice/reader/RandomAccessFileChannelReader.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/fileslice/reader/ClassfileReader.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/fileslice/reader/SequentialReader.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/fileslice/reader/RandomAccessArrayReader.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/fileslice/reader/RandomAccessReader.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/fileslice/ArraySlice.java
* /opt/cola/permits/1340816391_1654719861.4616647/0/classgraph-4-8-105-sources-1-
jar/nonapi/io/github/classgraph/fileslice/FileSlice.java

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* This file is part of ClassGraph.

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1.181 opentest4j-opentest4j 1.2.0

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1.182 jackson-module-scala 2.13.2

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1.184 open-telemetry/opentelemetry-java

1.9.1

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```
* /opt/cola/permits/1340815879_1654812121.818436/0/opentelemetry-exporter-otlp-common-1-9-1-sources-
jar/io/opentelemetry/exporter/otlp/internal/grpc/MarshalerInputStream.java
* /opt/cola/permits/1340815879_1654812121.818436/0/opentelemetry-exporter-otlp-common-1-9-1-sources-
jar/io/opentelemetry/exporter/otlp/internal/grpc/OkHttpGrpcExporter.java
```

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* /opt/cola/permits/1340815879_1654812121.818436/0/opentelemetry-exporter-otlp-common-1-9-1-sources-  
jar/io/opentelemetry/exporter/otlp/internal/CodedOutputStream.java  
* /opt/cola/permits/1340815879_1654812121.818436/0/opentelemetry-exporter-otlp-common-1-9-1-sources-  
jar/io/opentelemetry/exporter/otlp/internal/CodedInputStream.java  
* /opt/cola/permits/1340815879_1654812121.818436/0/opentelemetry-exporter-otlp-common-1-9-1-sources-  
jar/io/opentelemetry/exporter/otlp/internal/WireFormat.java
```

1.185 spring-cloud-starter 3.0.5

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```
* /opt/cola/permits/1340815590_1654855044.2334387/0/spring-cloud-starter-3-0-5-jar/META-  
INF/maven/org.springframework.cloud/spring-cloud-starter/pom.xml
```

1.186 asm-commons 9.1

1.186.1 Available under license :

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Manifest-Version: 1.0

Bundle-DocURL: <http://asm.ow2.org>

Bundle-License: BSD-3-Clause;link=<https://asm.ow2.io/LICENSE.txt>

Bundle-ManifestVersion: 2

Bundle-Name: org.objectweb.asm.commons

Bundle-RequiredExecutionEnvironment: J2SE-1.5
Bundle-SymbolicName: org.objectweb.asm.commons
Bundle-Version: 9.1.0
Export-Package: org.objectweb.asm.commons;version="9.1";uses:="org.objectweb.asm,org.objectweb.asm.signature,org.objectweb.asm.tree"
Implementation-Title: Usefull class adapters based on ASM, a very small and fast Java bytecode manipulation framework
Implementation-Version: 9.1
Import-Package: org.objectweb.asm;version="[9.1,10)",org.objectweb.asm.signature;version="[9.1,10)",org.objectweb.asm.tree;version="[9.1,10)"
Module-Requires: org.objectweb.asm;transitive=true,org.objectweb.asm.tree;transitive=true,org.objectweb.asm.tree.analysis;transitive=true

Found in path(s):

* /opt/cola/permits/1183889887_1627494130.56/0/asm-commons-9-1-jar/META-INF/MANIFEST.MF

1.187 io-grpc-grpc-stub 1.44.0

1.187.1 Available under license :

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* /opt/cola/permits/1340815966_1654856784.1934316/0/grpc-stub-1-44-0-sources-jar/io/grpc/stub/AbstractAsyncStub.java
* /opt/cola/permits/1340815966_1654856784.1934316/0/grpc-stub-1-44-0-sources-jar/io/grpc/stub/AbstractBlockingStub.java
* /opt/cola/permits/1340815966_1654856784.1934316/0/grpc-stub-1-44-0-sources-jar/io/grpc/stub/InternalClientCalls.java
* /opt/cola/permits/1340815966_1654856784.1934316/0/grpc-stub-1-44-0-sources-jar/io/grpc/stub/AbstractFutureStub.java

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```
* /opt/cola/permits/1340815966_1654856784.1934316/0/grpc-stub-1-44-0-sources-
jar/io/grpc/stub/AbstractStub.java
* /opt/cola/permits/1340815966_1654856784.1934316/0/grpc-stub-1-44-0-sources-
jar/io/grpc/stub/StreamObserver.java
* /opt/cola/permits/1340815966_1654856784.1934316/0/grpc-stub-1-44-0-sources-
jar/io/grpc/stub/MetadataUtils.java
* /opt/cola/permits/1340815966_1654856784.1934316/0/grpc-stub-1-44-0-sources-jar/io/grpc/stub/ServerCalls.java
* /opt/cola/permits/1340815966_1654856784.1934316/0/grpc-stub-1-44-0-sources-jar/io/grpc/stub/ClientCalls.java
```

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```
* /opt/cola/permits/1340815966_1654856784.1934316/0/grpc-stub-1-44-0-sources-
jar/io/grpc/stub/ClientResponseObserver.java
```

* /opt/cola/permits/1340815966_1654856784.1934316/0/grpc-stub-1-44-0-sources-jar/io/grpc/stub/ServerCallStreamObserver.java
* /opt/cola/permits/1340815966_1654856784.1934316/0/grpc-stub-1-44-0-sources-jar/io/grpc/stub/ClientCallStreamObserver.java
* /opt/cola/permits/1340815966_1654856784.1934316/0/grpc-stub-1-44-0-sources-jar/io/grpc/stub/CallStreamObserver.java

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* /opt/cola/permits/1340815966_1654856784.1934316/0/grpc-stub-1-44-0-sources-jar/io/grpc/stub/annotations/GrpcGenerated.java

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*/opt/cola/permits/1340815966_1654856784.1934316/0/grpc-stub-1-44-0-sources-jar/io/grpc/stub/package-info.java
```

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```
*/opt/cola/permits/1340815966_1654856784.1934316/0/grpc-stub-1-44-0-sources-jar/io/grpc/stub/annotations/RpcMethod.java
```

1.188 spring-cloud-sleuth-autoconfigure 3.0.5

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* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/autoconfig/instrument/web/client/feign/TraceFeignClientAutoConfiguration.ja
va
* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/autoconfig/brave/instrument/mongodb/BraveMongoDbAutoConfiguration.jav
a
* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/autoconfig/instrument/async/TraceAsyncDefaultAutoConfiguration.java
* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/autoconfig/instrument/web/TraceWebMvcConfigurer.java
* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/autoconfig/instrument/redis/TraceLettuceClientResourcesBeanPostProcessor.j
ava
* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/autoconfig/brave/instrument/redis/BraveRedisAutoConfiguration.java
* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/autoconfig/instrument/web/ConditionalOnSleuthWeb.java
* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/autoconfig/instrument/web/client/ConditionalOnSleuthWebClient.java
* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/autoconfig/instrument/web/client/TraceWebClientAutoConfiguration.java
* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/autoconfig/instrument/messaging/SleuthIntegrationMessagingProperties.java
* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/autoconfig/instrument/circuitbreaker/SleuthCircuitBreakerProperties.java
* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/autoconfig/instrument/async/SleuthAsyncProperties.java
* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-
```

jar/org/springframework/cloud/sleuth/autoconfig/instrument/web/client/TraceWebAsyncClientAutoConfiguration.java

* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/autoconfig/brave/instrument/opentracing/BraveOpentracingAutoConfiguration.java

* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/autoconfig/zipkin2/ZipkinRestTemplateSenderConfiguration.java

* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/autoconfig/brave/SleuthPropagationProperties.java

* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/autoconfig/instrument/async/TraceAsyncCustomAutoConfiguration.java

* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/autoconfig/instrument/messaging/TraceWebSocketAutoConfiguration.java

* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/autoconfig/instrument/web/SleuthHttpProperties.java

* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/autoconfig/instrument/reactor/TraceReactorAutoConfiguration.java

* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/autoconfig/instrument/web/client/TraceGatewayEnvironmentPostProcessor.java

* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/autoconfig/brave/instrument/web/client/BraveWebClientAutoConfiguration.java

* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/autoconfig/instrument/web/TraceWebAutoConfiguration.java

* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/autoconfig/instrument/scheduling/SleuthSchedulingProperties.java

* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/autoconfig/instrument/web/client/feign/SleuthFeignProperties.java

* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/autoconfig/SleuthSpanFilterProperties.java

* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/autoconfig/instrument/async/ExecutorBeanPostProcessor.java

* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/autoconfig/brave/SamplerCondition.java

* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/autoconfig/instrument/rxjava/TraceRxJavaAutoConfiguration.java

* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/autoconfig/brave/instrument/messaging/BraveMessagingAutoConfiguration.java

* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/autoconfig/SleuthBaggageProperties.java

* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/autoconfig/brave/SleuthProperties.java

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* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/autoconfig/zipkin2/ZipkinSenderProperties.java

* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/autoconfig/instrument/reactor/TraceReactorAutoConfigurationAccessorConfiguration.java

* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/autoconfig/brave/BraveBaggageConfiguration.java

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jar/org/springframework/cloud/sleuth/autoconfig/TraceConfiguration.java
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jar/org/springframework/cloud/sleuth/autoconfig/instrument/scheduling/TraceSchedulingAutoConfiguration.java
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jar/org/springframework/cloud/sleuth/autoconfig/instrument/web/TraceHandlerFunctionAdapterBeanPostProcessor.j
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* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/autoconfig/instrument/web/SleuthWebProperties.java
* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/autoconfig/TraceEnvironmentPostProcessor.java
* /opt/cola/permits/1340816356_1654719743.9893665/0/spring-cloud-sleuth-autoconfigure-3-0-5-sources-1-
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jar/org/springframework/cloud/sleuth/autoconfig/instrument/quartz/TraceQuartzAutoConfiguration.java
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1.189 icu4j 70.1

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```
* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-
jar/org/springframework/security/crypto/codec/Hex.java
* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-
jar/org/springframework/security/crypto/codec/package-info.java
* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-
jar/org/springframework/security/crypto/codec/Utf8.java
* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-
jar/org/springframework/security/crypto/password/AbstractPasswordEncoder.java
```

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* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/password/Digester.java

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* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/password/Md4PasswordEncoder.java

* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/password/LdapShaPasswordEncoder.java

* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/keygen/Base64StringKeyGenerator.java

* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/password/MessageDigestPasswordEncoder.java

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*/

```
/**
 * Base64 encoder which is a reduced version of Robert Harder's public domain
 * implementation (version 2.3.7). See <a href=
 * "http://iharder.sourceforge.net/current/java/base64/">http://iharder.sourceforge.net/current/java/base64/</a>
 * for more information.
 * <p>
 * For internal use only.
 *
 * @author Luke Taylor
 * @since 3.0
 * @deprecated Use java.util.Base64
 */
```

Found in path(s):

```
* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-
jar/org/springframework/security/crypto/codecs/Base64.java
```

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```

Found in path(s):

```
* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-
jar/org/springframework/security/crypto/encrypt/Encryptors.java
```

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* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/password/PasswordEncoderUtils.java
* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/password/Md4.java
* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/factory/PasswordEncoderFactories.java

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* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/password/DelegatingPasswordEncoder.java

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* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/bcrypt/BCryptPasswordEncoder.java

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* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/encrypt/BouncyCastleAesGcmBytesEncryptor.java

* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/encrypt/TextEncryptor.java

* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/encrypt/BouncyCastleAesCbcBytesEncryptor.java

* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/keygen/SecureRandomBytesKeyGenerator.java

* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/password/NoOpPasswordEncoder.java

* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/util/EncodingUtils.java

* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/keygen/SharedKeyGenerator.java
* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/keygen/BytesKeyGenerator.java
* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/keygen/KeyGenerators.java
* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/encrypt/CipherUtils.java
* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/encrypt/BouncyCastleAesBytesEncryptor.java
* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/encrypt/HexEncodingTextEncryptor.java
* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/keygen/HexEncodingStringKeyGenerator.java
* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/keygen/StringKeyGenerator.java
* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/encrypt/AesBytesEncryptor.java
* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/password/PasswordEncoder.java
* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/password/StandardPasswordEncoder.java
* /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/encrypt/BytesEncryptor.java

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- * /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/argon2/Argon2PasswordEncoder.java
- * /opt/cola/permits/1340815583_1654854368.279942/0/spring-security-crypto-5-6-2-sources-jar/org/springframework/security/crypto/argon2/Argon2EncodingUtils.java

1.191 latencyutils 2.0.3

1.191.1 Available under license :

```
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1.192 jetbrains-kotlin-kotlin-stdlib-jdk8 1.6.10

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1.194 msg-simple 1.2

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1.195 jose4j jose4j-0.7.8

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jar/org/jose4j/base64url/internal/apache/commons/codec/binary/BaseNCodec.java

* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-
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- * /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/jwa/AlgorithmInfo.java
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* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/jwe/KeyManagementAlgorithmIdentifiers.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/json/JsonUtil.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/lang/UncheckedJoseException.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/base64url/SimplePEMEncoder.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/jwk/KeyOperations.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/jwt/ReservedClaimNames.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/jwt/consumer/IssValidator.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/jwt/consumer/JwsCustomizer.java

* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/jwk/JsonWebKeySet.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/base64url/Base64Url.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/jwe/Pbes2HmacShaWithAesKeyWrapAlgorithm.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/lang/ExceptionHelp.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/jwt/consumer/ErrorCodeValidatorAdapter.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/jwt/consumer/JwtConsumer.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/lang/DefaultByteGenerator.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/lang/HashUtil.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/keys/resolvers/X509VerificationKeyResolver.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/jwe/ContentEncryptionKeys.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/jwe/AesCbcHmacSha2ContentEncryptionAlgorithm.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/jwx/KeyValidationSupport.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/jwa/AlgorithmConstraints.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/jwa/AlgorithmFactoryFactory.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/jws/JsonWebSignatureAlgorithm.java

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jar/org/jose4j/lang/InvalidKeyException.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-
jar/org/jose4j/jwk/SelectorSupport.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-
jar/org/jose4j/jwk/DecryptionJwkSelector.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-
jar/org/jose4j/jwk/SimpleJwkFilter.java
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jar/org/jose4j/jwe/kdf/ConcatenationKeyDerivationFunctionWithSha256.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-
jar/org/jose4j/jwe/kdf/ConcatKeyDerivationFunctionFactory.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-
jar/org/jose4j/jwe/kdf/ConcatKeyDerivationFunction.java
* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/jwe/kdf/KdfUtil.java
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* /opt/cola/permits/1340815693_1654805160.781727/0/jose4j-0-7-8-sources-jar/org/jose4j/jwk/HttpsJwks.java

1.196 j2objc-annotations 1.3

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* /opt/cola/permits/1131003150_1612875443.99/0/j2objc-annotations-1-3-sources-3-jar/com/google/j2objc/annotations/Property.java

* /opt/cola/permits/1131003150_1612875443.99/0/j2objc-annotations-1-3-sources-3-jar/com/google/j2objc/annotations/LoopTranslation.java

* /opt/cola/permits/1131003150_1612875443.99/0/j2objc-annotations-1-3-sources-3-jar/com/google/j2objc/annotations/ObjectiveCName.java

* /opt/cola/permits/1131003150_1612875443.99/0/j2objc-annotations-1-3-sources-3-jar/com/google/j2objc/annotations/ReflectionSupport.java

* /opt/cola/permits/1131003150_1612875443.99/0/j2objc-annotations-1-3-sources-3-jar/com/google/j2objc/annotations/RetainedLocalRef.java

* /opt/cola/permits/1131003150_1612875443.99/0/j2objc-annotations-1-3-sources-3-jar/com/google/j2objc/annotations/J2ObjCIncompatible.java

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- * /opt/cola/permits/1131003150_1612875443.99/0/j2objc-annotations-1-3-sources-3-jar/com/google/j2objc/annotations/Weak.java
- * /opt/cola/permits/1131003150_1612875443.99/0/j2objc-annotations-1-3-sources-3-jar/com/google/j2objc/annotations/AutoreleasePool.java
- * /opt/cola/permits/1131003150_1612875443.99/0/j2objc-annotations-1-3-sources-3-jar/com/google/j2objc/annotations/WeakOuter.java

1.197 apache-log4j-layout-for-json-template

2.17.2

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1.198 opentelemetry---

io.opentelemetry:opentelemetry-proto 1.6.0-

alpha

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* /opt/cola/permits/1310721520_1650882367.2/0/opentelemetry-proto-1-6-0-alpha-jar/opentelemetry/proto/collector/logs/v1/logs_service.proto  
* /opt/cola/permits/1310721520_1650882367.2/0/opentelemetry-proto-1-6-0-alpha-jar/opentelemetry/proto/collector/metrics/v1/metrics_service.proto  
* /opt/cola/permits/1310721520_1650882367.2/0/opentelemetry-proto-1-6-0-alpha-jar/opentelemetry/proto/collector/trace/v1/trace_service.proto  
* /opt/cola/permits/1310721520_1650882367.2/0/opentelemetry-proto-1-6-0-alpha-jar/opentelemetry/proto/trace/v1/trace_config.proto  
* /opt/cola/permits/1310721520_1650882367.2/0/opentelemetry-proto-1-6-0-alpha-jar/opentelemetry/proto/metrics/experimental/metrics_config_service.proto  
* /opt/cola/permits/1310721520_1650882367.2/0/opentelemetry-proto-1-6-0-alpha-jar/opentelemetry/proto/trace/v1/trace.proto  
* /opt/cola/permits/1310721520_1650882367.2/0/opentelemetry-proto-1-6-0-alpha-jar/opentelemetry/proto/logs/v1/logs.proto  
* /opt/cola/permits/1310721520_1650882367.2/0/opentelemetry-proto-1-6-0-alpha-jar/opentelemetry/proto/metrics/v1/metrics.proto  
* /opt/cola/permits/1310721520_1650882367.2/0/opentelemetry-proto-1-6-0-alpha-jar/opentelemetry/proto/resource/v1/resource.proto  
* /opt/cola/permits/1310721520_1650882367.2/0/opentelemetry-proto-1-6-0-alpha-jar/opentelemetry/proto/common/v1/common.proto
```

1.199 scala-logging_2.12 3.9.3

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1.200 json-library-from-android-sdk

0.0.20131108.vaadin1

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```

Found in path(s):

```
* /opt/cola/permits/1089224571_1611250185.24/0/android-json-0-0-20131108-vaadin1-sources-
jar/org/json/JSONException.java
* /opt/cola/permits/1089224571_1611250185.24/0/android-json-0-0-20131108-vaadin1-sources-
jar/org/json/JSONTokener.java
* /opt/cola/permits/1089224571_1611250185.24/0/android-json-0-0-20131108-vaadin1-sources-
jar/org/json/JSONStringer.java
* /opt/cola/permits/1089224571_1611250185.24/0/android-json-0-0-20131108-vaadin1-sources-
jar/org/json/JSONObject.java
* /opt/cola/permits/1089224571_1611250185.24/0/android-json-0-0-20131108-vaadin1-sources-
jar/org/json/JSONArray.java
* /opt/cola/permits/1089224571_1611250185.24/0/android-json-0-0-20131108-vaadin1-sources-
jar/org/json/JSON.java
```

1.201 io-grpc-grpc-protobuf 1.44.0

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* /opt/cola/permits/1340816032_1654856839.7440348/0/grpc-protobuf-1-44-0-sources-jar/io/grpc/protobuf/ProtoUtils.java

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* /opt/cola/permits/1340816032_1654856839.7440348/0/grpc-protobuf-1-44-0-sources-jar/io/grpc/protobuf/package-info.java

* /opt/cola/permits/1340816032_1654856839.7440348/0/grpc-protobuf-1-44-0-sources-jar/io/grpc/protobuf/ProtoServiceDescriptorSupplier.java

* /opt/cola/permits/1340816032_1654856839.7440348/0/grpc-protobuf-1-44-0-sources-jar/io/grpc/protobuf/ProtoMethodDescriptorSupplier.java

* /opt/cola/permits/1340816032_1654856839.7440348/0/grpc-protobuf-1-44-0-sources-jar/io/grpc/protobuf/StatusProto.java

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*/opt/cola/permits/1340816032_1654856839.7440348/0/grpc-protobuf-1-44-0-sources-jar/io/grpc/protobuf/ProtoFileDescriptorSupplier.java

1.202 flexmark-java-utilities 0.62.2

1.202.1 Available under license :

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```
/**
 * Set the attributes for the node by modifying the provided map.
 * <p>
 * This allows to change or even removeIndex default attributes. With great power comes great responsibility.
 * <p>
 * The attribute key and values will be escaped (preserving character entities), so don't escape them here,
 * otherwise they will be double-escaped.
 * <p>
 * Also used to get the id attribute for the node. Specifically for heading nodes. When the part parameter
 * is AttributablePart.ID only need to check and provide an id attribute.
 * <p>
 * When part is AttributablePart.LINK then attributes are being requested for a Link or Image link,
 * link status after link resolution will be found under the Attribute.LINK_STATUS.
 * Core defines LinkStatus.UNKNOWN,LinkStatus.VALID,LinkStatus.NOT_FOUND. Extensions can define
 more.
 * <p>
 * AttributablePart.NODE is a generic placeholder when the node did not provide a specific part for attribution.
 * @param node the node to set attributes for
 * @param part attributes for the specific part of the node being generated, Core defines
 AttributablePart.LINK,
 * AttributablePart.ID and generic AttributablePart.NODE, extensions are free to define more
 * @param attributes the attributes, with any default attributes already set in the map
 */
```

Found in path(s):

1.203 spring-boot-cache-starter 2.6.6

1.203.1 Available under license :

Spring Boot 2.6.6

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1.204 jopt-simple 5.0.4

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1.205 spring-kafka-support 2.8.4

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```
* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-
jar/org/springframework/kafka/transaction/KafkaTransactionManager.java
* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-
jar/org/springframework/kafka/listener/ConsumerAwareListenerErrorHandler.java
* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-
jar/org/springframework/kafka/listener/RemainingRecordsErrorHandler.java
* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-
jar/org/springframework/kafka/listener/ConsumerAwareBatchErrorHandler.java
* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-
jar/org/springframework/kafka/listener/ContainerAwareBatchErrorHandler.java
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- * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/annotation/KafkaListener.java
- * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/listener/ContainerProperties.java
- * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/listener/KafkaMessageListenerContainer.java

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- * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/listener/BatchErrorHandler.java

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 - * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/support/mapping/DefaultJackson2JavaTypeMapper.java
 - * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/core/KafkaAdmin.java
 - * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/config/StreamsBuilderFactoryBean.java
 - * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/listener/ContainerStoppingBatchErrorHandler.java
 - * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/annotation/KafkaStreamsDefaultConfiguration.java
 - * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/support/mapping/AbstractJavaTypeMapper.java
 - * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/listener/ContainerStoppingErrorHandler.java
 - * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/retrytopic/DefaultDestinationTopicProcessor.java
 - * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/support/mapping/ClassMapper.java
 - * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/listener/AcknowledgingConsumerAwareMessageListener.java
 - * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/listener/ConsumerAwareErrorHandler.java
 - * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/listener/SeekToCurrentErrorHandler.java
 - * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/listener/SeekToCurrentBatchErrorHandler.java
 - * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/retrytopic/DestinationTopicContainer.java
 - * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/support/mapping/Jackson2JavaTypeMapper.java
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jar/org/springframework/kafka/support/Acknowledgment.java
* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-
jar/org/springframework/kafka/listener/BatchAcknowledgingMessageListener.java
* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-
jar/org/springframework/kafka/listener/MessageListener.java
* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-
jar/org/springframework/kafka/annotation/KafkaHandler.java
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* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-
jar/org/springframework/kafka/listener/RetryingBatchErrorHandler.java
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- * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/listener/KafkaBackOffManagerFactory.java
- * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/retrytopic/FixedDelayStrategy.java
- * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/retrytopic/BackOffValuesGenerator.java
- * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/support/AllowDenyCollectionManager.java
- * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/listener/AbstractKafkaBackOffManagerFactory.java
- * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/transaction/ChainedKafkaTransactionManager.java
- * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/listener/DefaultAfterRollbackProcessor.java
- * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/listener/PartitionPausingBackoffManager.java
- * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/annotation/RetryTopicConfigurationProvider.java
- * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/support/converter/BytesJsonMessageConverter.java
- * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/retrytopic/DestinationTopicPropertiesFactory.java
- * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/retrytopic/RetryTopicBootstrapper.java
- * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/retrytopic/RetryTopicConfigurationBuilder.java
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- * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/annotation/DltHandler.java
- * /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/listener/KafkaBackoffException.java

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* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/retrytopic/EndpointCustomizerFactory.java
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* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/listener/KafkaConsumerTimingAdjuster.java
* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/event/ConsumerPartitionPausedEvent.java
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* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/retrytopic/DltStrategy.java
* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/annotation/RetryableTopic.java
* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/listener/adaptor/KafkaBackoffAwareMessageListenerAdapter.java
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* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/listener/WakingKafkaConsumerTimingAdjuster.java
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jar/org/springframework/kafka/listener/DefaultErrorHandler.java
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jar/org/springframework/kafka/listener/FailedBatchProcessor.java
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jar/org/springframework/kafka/listener/CommonLoggingErrorHandler.java
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jar/org/springframework/kafka/listener/ErrorHandlingUtils.java
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jar/org/springframework/kafka/listener/DeliveryAttemptAware.java
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jar/org/springframework/kafka/core/KafkaResourceFactory.java
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jar/org/springframework/kafka/config/KafkaStreamsInfrastructureCustomizer.java
* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-
jar/org/springframework/kafka/listener/adapters/DefaultBatchToRecordAdapter.java
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jar/org/springframework/kafka/core/MicrometerConsumerListener.java
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jar/org/springframework/kafka/core/ProducerPostProcessor.java
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jar/org/springframework/kafka/streams/KafkaStreamsMicrometerListener.java
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* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/support/TopicPartitionOffset.java
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jar/org/springframework/kafka/support/serializer/DeserializationException.java
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jar/org/springframework/kafka/event/ConsumerResumedEvent.java
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jar/org/springframework/kafka/event/ConsumerPausedEvent.java
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jar/org/springframework/kafka/event/ConsumerStoppingEvent.java
* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-
jar/org/springframework/kafka/event/ContainerStoppedEvent.java
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jar/org/springframework/kafka/listener/ErrorHandlerAdapter.java
* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-
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jar/org/springframework/kafka/retrytopic/RetryTopicNamesProviderFactory.java
* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-
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jar/org/springframework/kafka/listener/ListenerContainerRegistry.java
* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-
jar/org/springframework/kafka/listener/RetryListener.java
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jar/org/springframework/kafka/support/EndpointHandlerMethod.java
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jar/org/springframework/kafka/core/KafkaAdminOperations.java
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jar/org/springframework/kafka/listener/ContainerGroup.java
* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-
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* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-
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jar/org/springframework/kafka/listener/CommonContainerStoppingErrorHandler.java
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* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/retrytopic/DeadLetterPublishingRecovererFactory.java
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* /opt/cola/permits/1340816052_1654854429.970229/0/spring-kafka-2-8-4-sources-jar/org/springframework/kafka/listener/SeekUtils.java

1.206 flexmark-java-format-utilities 0.62.2

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jar/org/objectweb/asm/MethodTooLargeException.java
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jar/org/objectweb/asm/signature/SignatureReader.java
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* /opt/cola/permits/1150153141_1627681655.27/0/asm-9-1-sources-1-jar/org/objectweb/asm/Label.java
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* /opt/cola/permits/1150153141_1627681655.27/0/asm-9-1-sources-1-
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jar/org/objectweb/asm/RecordComponentVisitor.java
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1.210 kotlin-stdlib-common 1.6.10

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- * /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/bridge/BraveBaggageManager.java
- * /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/bridge/BraveHttpResponseParser.java
- * /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/instrument/rpc/RpcServerSampler.java
- * /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/instrument/grpc/SpringAwareManagedChannelBuilder.java
- * /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/instrument/web/SkipPatternSampler.java
- * /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/instrument/web/SkipPatternHttpClientSampler.java
- * /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/propagation/PropagationType.java
- * /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/instrument/web/BraveSpanFromContextRetriever.java
- * /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/instrument/web/CompositeHttpSampler.java
- * /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/instrument/messaging/ProducerSampler.java
- * /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/bridge/BraveHttpClientHandler.java
- * /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/LocalServiceName.java
- * /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/instrument/messaging/MessageListenerMethodInterceptor.java
- * /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/bridge/BravePropagator.java
- * /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/bridge/CompositePropagationFactorySupplier.java
- * /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/instrument/messaging/KafkaFactoryBeanPostProcessor.java
- * /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/instrument/rpc/RpcClientSampler.java
- * /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/bridge/BraveScopedSpan.java
- * /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/bridge/BraveHttpClientResponse.java
- * /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-

jar/org/springframework/cloud/sleuth/brave/bridge/W3CPropagation.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/brave/instrument/mongodb/TraceMongoClientSettingsBuilderCustomizer.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/brave/instrument/redis/ClientResourcesBuilderCustomizer.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/brave/bridge/BraveSpanCustomizer.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/brave/bridge/BraveTraceContext.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/brave/bridge/BraveTracer.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/brave/instrument/messaging/SleuthKafkaAspect.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/brave/bridge/BraveHttpClientRequest.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/brave/instrument/redis/TraceLettuceClientResourcesBuilderCustomizer.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/brave/instrument/web/SkipPatternHttpServerSampler.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/brave/instrument/messaging/TraceConsumerPostProcessor.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/brave/propagation/PropagationFactorySupplier.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/brave/sampler/ProbabilityBasedSampler.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/brave/instrument/messaging/TracingConnectionFactoryBeanPostProcessor.java
a
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/brave/bridge/BraveHttpServerRequest.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/brave/bridge/BraveSamplerFunction.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-
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* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/brave/bridge/BraveFinishedSpan.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/brave/bridge/BraveSpanBuilder.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/brave/bridge/BraveHttpRequest.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/brave/bridge/BraveCurrentTraceContext.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/brave/bridge/BraveHttpRequestParser.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/brave/bridge/CompositeSpanHandler.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-
jar/org/springframework/cloud/sleuth/brave/instrument/messaging/ConsumerSampler.java

* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/jms/config/TracingJmsListenerEndpointRegistry.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/instrument/web/ServletUtils.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/instrument/messaging/TraceProducerPostProcessor.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/bridge/BraveBaggageInScope.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/bridge/BraveHttpResponse.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/sampler/RateLimitingSampler.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/bridge/BraveHttpServerHandler.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/bridge/BraveHttpServerResponse.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/instrument/messaging/SleuthRabbitBeanPostProcessor.java
* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/bridge/BraveSpan.java

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* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/instrument/grpc/GrpcManagedChannelBuilderCustomizer.java

* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/org/springframework/cloud/sleuth/brave/instrument/grpc/TracingManagedChannelBuilderCustomizer.java

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Found in path(s):

* /opt/cola/permits/1340815972_1654719839.1719933/0/spring-cloud-sleuth-brave-3-0-5-sources-1-jar/META-INF/maven/org.springframework.cloud/spring-cloud-sleuth-brave/pom.xml

1.212 opentelemetry-java 1.9.1

1.212.1 Available under license :

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Found in path(s):

* /opt/cola/permits/1319213317_1651767645.43/0/opentelemetry-sdk-extension-autoconfigure-shaded-1-9-1-alpha-jar/META-INF/maven/org.jctools/jctools-core/pom.xml

1.213 netty-project 4.1.75.Final

1.213.1 Available under license :

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Manifest-Version: 1.0

Implementation-Title: Netty/All-in-One

Bundle-Description: Netty is an asynchronous event-driven network application framework for rapid development of maintainable high performance protocol servers and clients.

Automatic-Module-Name:

Bundle-License: <https://www.apache.org/licenses/LICENSE-2.0>

Bundle-SymbolicName: io.netty.all

Implementation-Version: 4.1.75.Final

Built-By: norman

Bnd-LastModified: 1646911619441

Bundle-ManifestVersion: 2

Implementation-Vendor-Id: io.netty
Bundle-DocURL: https://netty.io/
Bundle-Vendor: The Netty Project
Import-Package: sun.nio.ch;resolution:=optional,org.eclipse.jetty.npn;
version="[1,2)";resolution:=optional,org.eclipse.jetty.alpn;version="
[1,2)";resolution:=optional
Tool: Bnd-2.4.1.201501161923
Implementation-Vendor: The Netty Project
Bundle-Name: Netty/All-in-One
Bundle-Version: 4.1.75.Final
Created-By: Apache Maven Bundle Plugin
Build-Jdk: 1.8.0_252
Implementation-URL: https://netty.io/netty-all/

Found in path(s):

* /opt/cola/permits/1337070330_1654856012.3468416/0/netty-all-4-1-75-final-jar/META-INF/MANIFEST.MF
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* /opt/cola/permits/1337070330_1654856012.3468416/0/netty-all-4-1-75-final-jar/META-
INF/maven/io.netty/netty-all/pom.xml

1.214 kafka-schema-serializer 7.0.1

1.214.1 Available under license :

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```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en" dir="ltr">
<head>
<title>PostgreSQL JDBC License</title>
<meta http-equiv="Content-Type" content="text/xhtml; charset=utf-8" />
<meta name="description" content="The official site for the PostgreSQL JDBC Driver" />
<meta name="copyright" content="The PostgreSQL Global Development Group" />

<style type="text/css" media="screen" title="Normal Text">@import url("../media/css/base.css");</style>

<link rel="shortcut icon" href="../media/favicon.ico" />

<!--
<script type="text/javascript">
var _gaq = _gaq || [];
_gaq.push(['_setAccount', 'UA-1345454-1']);
_gaq.push(['_trackPageview']);
(function() {
var ga = document.createElement('script'); ga.type = 'text/javascript'; ga.async = true;
ga.src = ('https:' == document.location.protocol ? 'https://ssl' : 'http://www') + '.google-analytics.com/ga.js';
var s = document.getElementsByTagName('script')[0]; s.parentNode.insertBefore(ga, s);
})();
</script>
-->
</head>

<body>
<div id="pgContainerWrap">
<div id="pgContainer">

<span class="txtOffScreen"><a href="#pgContent" title="Skip site navigation" accesskey="1">Skip site
navigation</a> (1)</span>
<span class="txtOffScreen"><a href="#pgContentWrap" title="Skip section navigation" accesskey="2">Skip
section navigation</a> (2)</span>
```

```

<div id="pgHeaderContainer">

<div id="pgSearch">

<!-- Old pgjdbc form -->
<form action="https://www.google.com/search" method="get">
  <input value="jdbc.postgresql.org" name="sitesearch" type="hidden" />
  <input id="q" name="q" type="text" size="20" maxlength="255" onfocus="if( this.value==this.defaultValue )
this.value=";" value="Google Search" accesskey="s" />
  <!-- <input onFocus="getBlank (this, 'Search the site with google');" size="25" name="q" id="query" type="text"
value="Search the site with google">&nbsp; -->
    <input name="Search" value="Search" type="submit" />
  </form>

<!-- New PostgreSQL form
<form method="get" action="search/">
<div>
  <h2 class="pgBlockHide"><label for="q">Search</label></h2>
  <input id="q" name="q" type="text" size="20" maxlength="255" onfocus="if( this.value==this.defaultValue )
this.value=";" value="Search" accesskey="s" />
  <input name="a" type="hidden" value="1"/>
  <input id="submit" name="submit" type="submit" value="Search" />
</div>
</form>
-->

</div> <!-- pgSearch -->
<br />

<div id="pgHeader">
<div id="pgHeaderLogoLeft">
  
  <map name="maplinks">
    <area shape="rect" coords="0,0,231,80" alt="PostgreSQL" href="https://postgresql.org" />
    <area shape="rect" coords="232,0,390,80" alt="PostgreSQL JDBC Driver" href="https://jdbc.postgresql.org" />
  </map>
</div>
<div id="pgHeaderLogoRight">
  <a href="https://postgresql.org">
    
  </a>
</div>
</div> <!-- pgHeader -->

<div id="pgTopNav">
<div id="pgTopNavLeft">
  

```

```

</div>
<div id="pgTopNavRight">
  
</div>
<ul id="pgTopNavList">
  <li><a href="../../index.html" title="Home">Home</a></li>
  <li><a href="../../about/about.html" title="About">About</a></li>
  <li><a href="../../download.html" title="Download">Download</a></li>
  <li><a href="../../documentation/documentation.html" title="Documentation">Documentation</a></li>
  <li><a href="../../community/community.html" title="Community">Community</a></li>
  <li><a href="../../development/development.html" title="Development">Development</a></li>
</ul>
</div> <!-- pgTopNav -->
</div> <!-- pgHeaderContainer -->

```

```

<div id="pgContent">
  <div id="pgSideWrap">
    <div id="pgSideNav">
      <ul>
        <li><a href="about.html">About</a></li>
        <li><a href="license.html">License</a></li>
        <li><a href="extras.html">Extras</a></li>
      </ul>
    </div> <!-- pgSideNav -->
  </div> <!-- pgSideWrap -->

```

```

<div id="pgContentWrap">
  <h1>BSD 2-clause "Simplified" License</h1>
  <p>
    The PostgreSQL JDBC Driver is distributed under the BSD-2-Clause License.
    The simplest explanation of the licensing terms is that
    you can do whatever you want with the product and source code as long
    as you don't claim you wrote it or sue us. You should give it a read
    though, it's only half a page.
  </p>
  <hr />

```

```

<pre style="font-family: monospace,'Courier'; background-color: #f9f9f9; padding: 1em; border: 1px solid #ddd">
Copyright (c) 1997, PostgreSQL Global Development Group
All rights reserved.

```

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```
</div> <!-- pgContentWrap -->
```

```
<br class="pgClearBoth" />
```

```
</div> <!-- pgContent -->
```

```
<hr />
```

```
<div id="pgFooter">
```

```
<a class="navFooter" href="https://www.postgresql.org/about/privacypolicy">Privacy Policy</a> |
```

```
<a class="navFooter" href="https://www.postgresql.org/about/">About PostgreSQL</a><br/>
```

```
Copyright &copy; 1996-2020 The PostgreSQL Global Development Group
```

```
</div> <!-- pgFooter -->
```

```
</div> <!-- pgContainer -->
```

```
</div> <!-- pgContainerWrap -->
```

```
</body>
```

```
</html>
```

kafka-connect-jdbc

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- * COPYRIGHT: Copyright Taro L. Saito, David Crenshaw

- * LICENSE: licenses/LICENSE.apache2.txt

- * NOTICE: licenses/NOTICE.sqlite-jdbc.txt

- * HOMEPAGE: <https://github.com/xerial/sqlite-jdbc>

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- * HOMEPAGE: <https://jdbc.postgresql.org/>

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- * HOMEPAGE: <https://mariadb.com/kb/en/mariadb/about-mariadb-connector-j/>

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Last updated: 9 October 2018

```
<!DOCTYPE html><html class="wp"><head><meta charset="utf-8"/><meta http-equiv="x-ua-compatible"
content="ie=edge"/><meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-
fit=no"/><style data-href="/styles.bac76730c08e59a2e76d.css">.style-module--anchorLinks--2mh4W{text-
align:center}@media screen and (min-width:992px){.style-module--anchorLinks--2mh4W{display:-ms-
flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:center;justify-content:center;margin:3px
0}}.style-module--link--1Ko78{color:#0074a2;text-transform:uppercase;font-weight:700;letter-spacing:1.2px;font-
size:12px;display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;position:relative;margin:0
20px;padding:10px 0}@media screen and (max-width:991px){.style-module--link--1Ko78:first-of-type{margin-
top:0;padding-top:0}}@media screen and (max-width:991px){.style-module--link--1Ko78:last-of-type{margin-
bottom:0;padding-bottom:0}}@media screen and (max-width:991px){.style-module--link--
1Ko78{display:block;margin:20px 0}}@media screen and (min-width:992px){.style-module--link--
1Ko78:not(:last-of-
type):after{content:"";width:1px;height:30px;background:rgba(130,148,148,.25);position:absolute;right:-
20px}}.style-module--animationElement--XoaLp{opacity:1}@media screen and (min-width:992px){.style-module-
-animationElement--XoaLp{opacity:0}.style-module--animationElement--XoaLp.style-module--fromTop--2tsTM{-
webkit-animation:style-module--fromTop--2tsTM .3s cubic-bezier(.21,.78,.76,.78) forwards;animation:style-
module--fromTop--2tsTM .3s cubic-bezier(.21,.78,.76,.78) forwards}.style-module--animationElement--
XoaLp.style-module--fromRight--3EeXz{-webkit-animation:style-module--fromRight--3EeXz .5s cubic-
bezier(.21,.78,.76,.78) forwards;animation:style-module--fromRight--3EeXz .5s cubic-bezier(.21,.78,.76,.78)
```

```

forwards}.style-module--animationElement--XoaLp.style-module--fromBottom--6dP9P{-webkit-animation:style-
module--fromBottom--6dP9P .5s cubic-bezier(.21,.78,.76,.78) forwards;animation:style-module--fromBottom--
6dP9P .5s cubic-bezier(.21,.78,.76,.78) forwards}.style-module--animationElement--XoaLp.style-module--
fromLeft--1q-9z{-webkit-animation:style-module--fromLeft--1q-9z .5s cubic-bezier(.21,.78,.76,.78)
forwards;animation:style-module--fromLeft--1q-9z .5s cubic-bezier(.21,.78,.76,.78) forwards}.style-module--
animationElement--XoaLp.style-module--fadeIn--1P3t4{-webkit-animation:style-module--fadeIn--1P3t4 .5s cubic-
bezier(.21,.78,.76,.78) forwards;animation:style-module--fadeIn--1P3t4 .5s cubic-bezier(.21,.78,.76,.78)
forwards}}@-webkit-keyframes style-module--fromTop--2tsTM{0%{opacity:0;transform:translateY(-
15%)}to{opacity:1;transform:translateY(0)}}@keyframes style-module--fromTop--
2tsTM{0%{opacity:0;transform:translateY(-15%)}to{opacity:1;transform:translateY(0)}}@-webkit-keyframes
style-module--fromRight--
3EeXz{0%{transform:translateX(5%);opacity:0}50%{transform:translateX(0)}95%{opacity:1}to{transform:transla
teX(0);opacity:1}}@keyframes style-module--fromRight--
3EeXz{0%{transform:translateX(5%);opacity:0}50%{transform:translateX(0)}95%{opacity:1}to{transform:transla
teX(0);opacity:1}}@-webkit-keyframes style-module--fromBottom--
6dP9P{0%{opacity:0;transform:translateY(15%)}to{opacity:1;transform:translateY(0)}}@keyframes style-module-
fromBottom--6dP9P{0%{opacity:0;transform:translateY(15%)}to{opacity:1;transform:translateY(0)}}@-webkit-
keyframes style-module--fromLeft--1q-9z{0%{transform:translateX(-
7%);opacity:0}50%{transform:translateX(0)}to{transform:translateX(0);opacity:1}}@keyframes style-module--
fromLeft--1q-9z{0%{transform:translateX(-
7%);opacity:0}50%{transform:translateX(0)}to{transform:translateX(0);opacity:1}}@-webkit-keyframes style-
module--fadeIn--1P3t4{to{opacity:1}}@keyframes style-module--fadeIn--1P3t4{to{opacity:1}}.style-module--
overlay--
3uWjl{background:rgba(0,0,0,.75);width:100%;height:100%;left:0;top:0;opacity:1;position:fixed;transition:all .25s
ease-in-out;z-index:100}.style-module--button--K11_E{transition:all .5s ease-in-out;transition:all .5s cubic-
bezier(.785,.135,.15,.86);border-radius:6px;border-style:solid;border-width:1px;display:inline-block;font-
size:12px;font-weight:700;letter-spacing:.9px;line-height:1.5;padding:12px 30px;text-align:center;text-
decoration:none;text-transform:uppercase;position:relative}.style-module--button--K11_E:hover{cursor:pointer;text-
decoration:none}.style-module--button--K11_E.style-module--island--3qX2T{background-color:#38cccd;border-
color:#38cccd;color:#fff}.style-module--button--K11_E.style-module--island--
3qX2T:hover{background:#173361;border-color:#173361}.style-module--button--K11_E.style-module--island--
3qX2T.disabled{background-color:#ccc;border-color:#ccc;color:#666;cursor:not-allowed}.style-module--button--
K11_E.style-module--denim--S1xvF{background-color:#173361;border-color:#173361;color:#fff}.style-module--
button--K11_E.style-module--denim--S1xvF:hover{background:#0074a2;border-color:#0074a2}.style-module--
button--K11_E.style-module--denimOutline--1Y1tC{background-color:transparent;border-
color:#173361;color:#173361}.style-module--button--K11_E.style-module--denimOutline--
1Y1tC:hover{background:#173361;color:#fff}.style-module--button--K11_E.style-module--white--
3e10p{background-color:#fff;border-color:#fff;color:#173361}.style-module--button--K11_E.style-module--white--
3e10p:hover{background:transparent;color:#fff}.style-module--button--K11_E.style-module--whiteOutline--3cb-
h{background-color:transparent;border-color:#fff;color:#fff}.style-module--button--K11_E.style-module--
whiteOutline--3cb-h:hover{background:#fff;color:#173361}.style-module--button--K11_E.style-module--purple--
1TxqH{background-color:#431d73;border-color:#431d73;color:#fff}.style-module--button--K11_E.style-module--
purple--1TxqH:hover{background:transparent;border-color:#431d73;color:#431d73}.style-module--button--
K11_E.style-module--purpleOutline--1C3T-{background-color:transparent;border-
color:#431d73;color:#431d73}.style-module--button--K11_E.style-module--purpleOutline--1C3T-
:hover{background:#431d73;color:#fff}.style-module--button--K11_E.style-module--green--2BSuQ{background-
color:#159e86;border-color:#159e86;color:#fff}.style-module--button--K11_E.style-module--green--
2BSuQ:hover{background:transparent;border-color:#159e86;color:#159e86}.style-module--button--K11_E.style-

```

```

module--greenOutline--25Pg7{background-color:transparent;border-color:#159e86;color:#159e86}.style-module--
button--K11_E.style-module--greenOutline--25Pg7:hover{background:#159e86;color:#fff}.style-module--button--
K11_E.style-module--blue--sASBN{background-color:#0dacc;border-color:#0dacc;color:#fff}.style-module--
button--K11_E.style-module--blue--sASBN:hover{background:transparent;border-
color:#0dacc;color:#0dacc}.style-module--button--K11_E.style-module--blueOutline--yXs7S{background-
color:transparent;border-color:#0dacc;color:#0dacc}.style-module--button--K11_E.style-module--blueOutline--
yXs7S:hover{background:#0dacc;color:#fff}.style-module--button--K11_E.style-module--orange--
3FGxM{background-color:#e37d62;border-color:#e37d62;color:#fff}.style-module--button--K11_E.style-module--
orange--3FGxM:hover{background:transparent;border-color:#e37d62;color:#e37d62}.style-module--button--
K11_E.style-module--orangeOutline--Omcu9{background-color:transparent;border-
color:#e37d62;color:#e37d62}.style-module--button--K11_E.style-module--orangeOutline--
Omcu9:hover{background:#e37d62;color:#fff}.style-module--button--K11_E.style-module--grey--
2lpBY{background-color:#58788c;border-color:#58788c;color:#fff}.style-module--button--K11_E.style-module--
grey--2lpBY:hover{background:transparent;border-color:#58788c;color:#58788c}.style-module--button--
K11_E.style-module--greyOutline--3JM3v{background-color:transparent;border-
color:#58788c;color:#58788c}.style-module--button--K11_E.style-module--greyOutline--
3JM3v:hover{background:#58788c;color:#fff}.style-module--button--K11_E.style-module--boxShadow--
32GhS{padding:50px 30px;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;border:1px
solid rgba(130,148,148,.25);border-radius:8px;margin:0 5px;transition:all .3s ease}.style-module--button--
K11_E.style-module--boxShadow--32GhS.style-module--fromBottom--1KdMI:after{opacity:0;bottom:-5%}.style-
module--button--K11_E.style-module--boxShadow--32GhS.style-module--fromBottom--
1KdMI:hover:after{opacity:1;bottom:5px}.style-module--button--K11_E.style-module--boxShadow--32GhS.style-
module--fromLeft--mzMqk:after{opacity:0;top:calc(50% - 9px);right:6px}.style-module--button--K11_E.style-
module--boxShadow--32GhS.style-module--fromLeft--mzMqk:hover:after{opacity:1;right:1px}.style-module--
button--K11_E.style-module--boxShadow--
32GhS:after{content:"";position:absolute;width:20px;height:20px;background-
image:url("https://d33wubrfki0l68.cloudfront.net/1d1bc6e441a34bc38df8118a4d8541cffe6a6412/13d9c/icons/arrow
_line.inline.svg");background-repeat:no-repeat;transition:all .3s ease}.style-module--button--K11_E.style-module--
boxShadow--32GhS img{-o-object-fit:contain;object-fit:contain}.style-module--button--K11_E.style-module--
boxShadow--32GhS:hover{box-shadow:0 4px 15px rgba(0,0,0,.25)}.style-module--button--
K11_E.disabled{background-color:rgba(130,148,148,.25)!important;cursor:not-allowed!important;border-
color:rgba(130,148,148,.25)!important}.style-module--footnote--2QqUZ{font-weight:300;font-
size:12px;color:#000;display:block;margin-top:15px}.style-module--arrow--
2RnsV{position:relative;cursor:pointer}.style-module--arrow--2RnsV:after,.style-module--arrow--
2RnsV:before{content:"";position:absolute;background-color:#173361;transition:all .4s cubic-
bezier(1,.07,.28,1.04);width:15px;height:2px}.style-module--left--fNXOv:before,.style-module--right--
1dAD9:after{-ms-transform:rotate(-45deg);transform:rotate(-45deg)}.style-module--left--fNXOv:after,.style-
module--right--1dAD9:before{-ms-transform:rotate(45deg);transform:rotate(45deg)}.style-module--left--
fNXOv:after,.style-module--left--fNXOv:before,.style-module--right--1dAD9:after,.style-module--right--
1dAD9:before{left:0}.style-module--left--fNXOv.style-module--sm--ib37X:after,.style-module--left--fNXOv.style-
module--sm--ib37X:before,.style-module--right--1dAD9.style-module--sm--ib37X:after,.style-module--right--
1dAD9.style-module--sm--ib37X:before{width:8px}.style-module--left--fNXOv.style-module--sm--
ib37X:before,.style-module--right--1dAD9.style-module--sm--ib37X:before{top:3px}.style-module--left--
fNXOv.style-module--sm--ib37X:after,.style-module--right--1dAD9.style-module--sm--ib37X:after{top:9px}.style-
module--left--fNXOv.style-module--md--1r7eR:before,.style-module--right--1dAD9.style-module--md--
1r7eR:before{top:5px}.style-module--left--fNXOv.style-module--md--1r7eR:after,.style-module--right--
1dAD9.style-module--md--1r7eR:after{top:15px}.style-module--down--cdTKv:before{-ms-
transform:rotate(45deg);transform:rotate(45deg)}.style-module--down--cdTKv:after{-ms-transform:rotate(-

```

45deg);transform:rotate(-45deg)}.style-module--up--1TDML:before{-ms-transform:rotate(135deg);transform:rotate(135deg)}.style-module--up--1TDML:after{-ms-transform:rotate(-135deg);transform:rotate(-135deg)}.style-module--down--cdTKv:after,.style-module--up--1TDML:after{left:11px}.style-module--down--cdTKv.style-module--sm--ib37X:after,.style-module--down--cdTKv.style-module--sm--ib37X:before,.style-module--up--1TDML.style-module--sm--ib37X:after,.style-module--up--1TDML.style-module--sm--ib37X:before{width:11px}.style-module--down--cdTKv.style-module--sm--ib37X:after,.style-module--up--1TDML.style-module--sm--ib37X:after{left:7px}.style-module--theme_white--2Exob:after,.style-module--theme_white--2Exob:before{background-color:#fff}.style-module--theme_denim--2OIpA:after,.style-module--theme_denim--2OIpA:before{background-color:#173361}.style-module--theme_academy--1Az4R:after,.style-module--theme_academy--1Az4R:before{background-color:#0074a2}.style-module--title--mJiqI{color:#173361;font-size:18px;font-weight:700;line-height:23px;margin:0;padding:0}.style-module--title--mJiqI a{color:#173361;text-decoration:underline}.style-module--label--sG7o{color:#173361;font-size:12px;font-weight:500;line-height:2.67;letter-spacing:2px;line-height:1;margin-bottom:15px;text-transform:uppercase}.style-module--main--1i9BQ{color:#0074a2}.style-module--subtitle--1iPNp{color:#829494}.style-module--main--1i9BQ+.style-module--subtitle--1iPNp:before{content:" | "}.style-module--footnote--szfSW{position:absolute;top:calc(100% + 10px);left:0;right:0;font-weight:300;font-size:12px;color:#000}.style-module--card--2PEGL{background-color:#fff;border-radius:8px;margin-bottom:10px;padding:25px;display:-ms-flexbox;display:flex;position:relative;color:#173361;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}.style-module--card--2PEGL:first-child:last-child{margin-bottom:0}.style-module--card--2PEGL.style-module--style_list--3UZC3 .style-module--blurb--3eRls ul{margin:0;padding:0;list-style:none}.style-module--card--2PEGL.style-module--style_stack--3ie4F{text-align:center}@media screen and (max-width:767px){.style-module--card--2PEGL.style-module--style_stack--3ie4F{margin-top:10px}.style-module--card--2PEGL.style-module--style_stack--3ie4F.style-module--hasFootnote--2yz-c{margin-bottom:30px}}@media screen and (max-width:767px){.style-module--card--2PEGL.style-module--style_stack--3ie4F+.style-module--style_stack--3ie4F{margin-top:30px}}.style-module--card--2PEGL.style-module--style_stack--3ie4F .style-module--content--ycnjO{-ms-flex-direction:column;flex-direction:column}.style-module--card--2PEGL.style-module--style_stack--3ie4F .style-module--iconContainer--3JNL4{position:absolute;top:0;left:50%;-ms-transform:translate(-50%,-45px);transform:translate(-50%,-45px);margin:0}.style-module--card--2PEGL.style-module--style_stack--3ie4F .style-module--iconContainer--3JNL4+.style-module--main--okEB_{margin-top:20px}.style-module--card--2PEGL.style-module--style_stack--3ie4F .style-module--blurb--3eRls{margin-top:25px}.style-module--card--2PEGL.style-module--style_stack--3ie4F .style-module--ctaContainer--3OCCE{margin-top:50px;margin-bottom:25px}.style-module--card--2PEGL.style-module--border--2oZLL{border:4px solid}.style-module--card--2PEGL.style-module--border--2oZLL.style-module--border_gray--hLEki{border-color:hsla(0,0%,96.1%,.85)!important}.style-module--card--2PEGL.style-module--island--21OU8 span{color:#173361}.style-module--card--2PEGL.style-module--island--21OU8 h3{color:#38cccd}.style-module--clickable--8zs5X{cursor:pointer}.style-module--clickable--8zs5X .style-module--arrow--1waU4{position:absolute;right:40px;top:50%;-ms-transform:translateY(-50%);transform:translateY(-50%)}.style-module--clickable--8zs5X .style-module--main--okEB_{margin-right:100px}@media screen and (max-width:767px){.style-module--clickable--8zs5X .style-module--main--okEB_{margin-right:0}}.style-module--clickable--8zs5X: hover h3 a{text-decoration:underline}.style-module--content--ycnjO{display:-ms-flexbox;display:flex;-ms-flex:1 1;flex:1 1;position:relative}.style-module--content--ycnjO p{margin-top:10px}.style-module--content--ycnjO p:last-child{margin-bottom:0}.style-module--content--ycnjO .style-module--iconContainer--3JNL4{margin-right:15px}.style-module--main--okEB_{-ms-flex:1 1;flex:1 1;display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;-ms-flex-pack:justify;justify-content:space-between}.style-module--ctaContainer--3OCCE{margin-top:25px}@media screen and (max-width:767px){.style-module--cardPerson--oCaWX .style-module--content--ycnjO{-ms-flex-direction:column;flex-direction:column}}@media screen and (max-width:767px){.style-module--cardPerson--oCaWX .style-module--content--ycnjO h3,.style-module--cardPerson--oCaWX .style-module--iconContainer--3JNL4{text-

align:center}}.style-module--cardPerson--oCaWX .style-module--iconContainer--3JNL4
img{width:100px;height:auto;border-radius:50%}@media screen and (max-width:767px){.style-module--arrow--
1waU4{display:none}}.style-module--blur--3eRlI{margin-top:10px;margin-bottom:auto}.style-module--
image_top--1EEoe{-ms-flex-direction:column;flex-direction:column}.style-module--image_top--1EEoe .style-
module--content--ycnjO{margin:25px 0 0}@media screen and (max-width:991px){.style-module--image_left--
CsqNI .style-module--content--ycnjO{-ms-flex-direction:column;flex-direction:column}}.style-module--image_left-
-CsqNI .style-module--content--ycnjO .style-module--main--okEB_{margin:25px}@media screen and (max-
width:991px){.style-module--image_left--CsqNI .style-module--content--ycnjO .style-module--main--
okEB_{margin:25px 0 0}}.style-module--image_left--CsqNI .style-module--imageContainer--r_DS-
{width:468px}@media screen and (max-width:991px){.style-module--image_left--CsqNI .style-module--
imageContainer--r_DS-{width:100%}}.style-module--container--3NHJW .slick-current{z-index:1}.style-module--
container--3NHJW .slick-prev{left:0}.style-module--container--3NHJW .slick-next{right:0}.style-module--
container--3NHJW .style-module--defaultArrows--V48oD .slick-arrow{position:absolute;top:50%;z-
index:12;height:80px;margin-top:-40px;font-size:0;width:0;opacity:0;transition:all .3s ease;text-
align:center;color:#fff;background:rgba(0,0,0,.7);outline:0;border:none}.style-module--container--3NHJW .style-
module--defaultArrows--V48oD .slick-arrow:before{line-height:80px;display:inline-block;font-
family:FontAwesome;font-size:40px}.style-module--container--3NHJW .style-module--defaultArrows--V48oD
.slick-arrow:hover{-ms-transform:scale(1.1);transform:scale(1.1)}.style-module--container--3NHJW .style-module--
defaultArrows--V48oD .slick-prev{left:0;border-radius:0 40px 40px 0}.style-module--container--3NHJW .style-
module--defaultArrows--V48oD .slick-prev:before{content:"\F104";padding-right:15px}.style-module--container--
3NHJW .style-module--defaultArrows--V48oD .slick-next{right:0;border-radius:40px 0 0 40px}.style-module--
container--3NHJW .style-module--defaultArrows--V48oD .slick-next:before{content:"\F105";padding-
left:10px}.style-module--container--3NHJW .style-module--defaultArrows--V48oD:hover .slick-
arrow{opacity:1;width:55px}.style-module--container--3NHJW .style-module--simpleArrows--1nTC0{display:-ms-
flexbox;display:flex;-ms-flex-align:center;align-items:center}.style-module--container--3NHJW .style-module--
simpleArrows--1nTC0 .slick-arrow{background:none;color:transparent;z-index:10}@media screen and (max-
width:991px){.style-module--container--3NHJW .style-module--simpleArrows--1nTC0 .slick-
arrow{display:none}}.style-module--container--3NHJW .style-module--simpleArrows--1nTC0 .slick-list{-ms-flex:
1 1;flex:1 1;margin:0 30px}.style-module--container--3NHJW .style-module--simpleArrows--1nTC0 .style-module--
dots--2oV0K{position:absolute;top:100%;left:50%;-ms-transform:translate(-50%,20px);transform:translate(-
50%,20px);margin:0}.style-module--dots--2oV0K{display:block;margin:20px 0 0;padding:0;list-style:none;text-
align:center}.style-module--dots--2oV0K li{cursor:pointer;display:inline-block;margin-right:10px}.style-module--
dots--2oV0K li:last-child{margin-right:0}.style-module--dots--2oV0K li
span{width:12px;height:12px;background:#fff;border-radius:50%;display:block;border:1px solid #173361}.style-
module--dots--2oV0K li.slick-active span{background:#173361}.style-module--theme_academy--1hgrC .style-
module--dots--2oV0K li span{border-color:#0074a2}.style-module--theme_academy--1hgrC .style-module--dots--
2oV0K li.slick-active span{background:#0074a2}.style-module--close--f6-
7U{position:absolute;right:10px;top:10px;cursor:pointer;opacity:.5;height:25px;width:25px;z-index:3;transition:all
.25s ease-in-out}.style-module--close--f6-7U:hover{opacity:1;-ms-transform:scale(.9);transform:scale(.9)}.style-
module--close--f6-7U:after,.style-module--close--f6-7U:before{position:absolute;left:15px;content:"
";height:20px;width:2px;background-color:#173361}.style-module--close--f6-7U:before{-ms-
transform:rotate(45deg);transform:rotate(45deg)}.style-module--close--f6-7U:after{-ms-transform:rotate(-
45deg);transform:rotate(-45deg)}.style-module--grid--3kV-8{display:-ms-flexbox;display:flex;-ms-flex-
wrap:wrap;flex-wrap:wrap;-ms-flex-pack:start;justify-content:flex-start;width:100%}@media screen and (max-
width:767px){.style-module--grid--3kV-8{-ms-flex-direction:column;flex-direction:column}}.style-module--grid--
3kV-8>div{margin:0;width:100%}@media screen and (max-width:767px){.style-module--grid--3kV-
8>div>div{margin-top:10px}}.style-module--grid--3kV-8.style-module--col1--2h_Ja>div>div{margin-
top:10px}@media screen and (min-width:768px){.style-module--grid--3kV-8.style-module--col2--

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2p2M7>div{margin-top:10px;width:calc((100% - 10px)/2)}.style-module--grid--3kV-8.style-module--col2--
2p2M7>div:nth-child(2n){margin-left:10px}.style-module--grid--3kV-8.style-module--col2--2p2M7>div:first-
child,.style-module--grid--3kV-8.style-module--col2--2p2M7>div:nth-child(2){margin-top:0}}@media screen and
(min-width:768px){.style-module--grid--3kV-8.style-module--col3--3TXIt>div{margin-top:10px;margin-
left:10px;width:calc((100% - 20px)/3)}.style-module--grid--3kV-8.style-module--col3--3TXIt>div:nth-
child(3n+1){margin-left:0}.style-module--grid--3kV-8.style-module--col3--3TXIt>div:first-child,.style-module-
grid--3kV-8.style-module--col3--3TXIt>div:nth-child(2),.style-module--grid--3kV-8.style-module--col3--
3TXIt>div:nth-child(3){margin-top:0}}@media screen and (min-width:768px) and (max-width:991px){.style-
module--grid--3kV-8.style-module--col4--3H2qW>div{margin-top:10px;margin-left:10px;width:calc((100% -
10px)/2)}.style-module--grid--3kV-8.style-module--col4--3H2qW>div:nth-child(odd){margin-left:0}.style-module-
-grid--3kV-8.style-module--col4--3H2qW>div:first-child,.style-module--grid--3kV-8.style-module--col4--
3H2qW>div:nth-child(2){margin-top:0}}@media screen and (min-width:992px){.style-module--grid--3kV-8.style-
module--col4--3H2qW>div{margin-top:10px;margin-left:10px;width:calc((100% - 30px)/4)}.style-module--grid--
3kV-8.style-module--col4--3H2qW>div:nth-child(4n+1){margin-left:0}.style-module--grid--3kV-8.style-module--
col4--3H2qW>div:first-child,.style-module--grid--3kV-8.style-module--col4--3H2qW>div:nth-child(2),.style-
module--grid--3kV-8.style-module--col4--3H2qW>div:nth-child(3),.style-module--grid--3kV-8.style-module--col4-
-3H2qW>div:nth-child(4){margin-top:0}}@media screen and (min-width:768px){.style-module--grid--3kV-8.style-
module--col5--1Ve_W>div{margin-top:10px;margin-left:10px;width:calc((100% - 40px)/5)}.style-module--grid--
3kV-8.style-module--col5--1Ve_W>div:nth-child(5n+1){margin-left:0}.style-module--grid--3kV-8.style-module--
col5--1Ve_W>div:first-child,.style-module--grid--3kV-8.style-module--col5--1Ve_W>div:nth-child(2),.style-
module--grid--3kV-8.style-module--col5--1Ve_W>div:nth-child(3),.style-module--grid--3kV-8.style-module--col5--
1Ve_W>div:nth-child(4),.style-module--grid--3kV-8.style-module--col5--1Ve_W>div:nth-child(5){margin-
top:0}}.style-module--required--fqVjc{display:inline-block;color:#bf0000;font-size:13px;position:relative;top:-
3px}.style-module--input--3P0z6{background-color:#fff;border:2px solid hsla(0,0%,73.3%,.5);border-
radius:4px;width:100%;margin-bottom:5px;color:#000;font-size:14px;font-weight:300;line-
height:1.2;padding:10px}.style-module--input--3P0z6::-webkit-input-placeholder{color:#829494}.style-module--
input--3P0z6::-moz-placeholder{color:#829494}.style-module--input--3P0z6:-ms-input-
placeholder{color:#829494}.style-module--input--3P0z6::placeholder{color:#829494}.style-module--input--
3P0z6.style-module--error--2b0DF{border-color:#d8365d}.style-module--input--3P0z6[type=checkbox].style-
module--error--2b0DF+span{box-shadow:inset 0 0 0 2px #d8365d}.style-module--container--1xvMb{display:-ms-
flexbox;display:flex;-ms-flex-align:center;align-items:center;position:relative;margin:0}.style-module--container--
1xvMb+.style-module--container--1xvMb{margin-top:10px}.style-module--container--1xvMb .style-module--
checkbox--2Ha9r,.style-module--container--1xvMb input{width:25px;height:25px}.style-module--label--
2uunW{color:#000;font-size:14px;font-weight:300;line-height:18px;margin:0;cursor:pointer}.style-module--
inputContainer--2JVku{margin-right:10px}.style-module--inputContainer--2JVku
input{position:absolute;opacity:0;margin:0;z-index:1}.style-module--checkbox--2Ha9r{display:block;border:1px
solid #173361;transition:all .2s ease-in-out;background:#fff;border-
radius:4px;position:relative;cursor:pointer}.style-module--checkbox--
2Ha9r:after{content:"";position:absolute;display:none;background-color:#173361;width:100%;height:100%}.style-
module--input--CKpKC{width:auto;cursor:pointer}.style-module--input--CKpKC.style-module--error--
1LQt5,.style-module--input--CKpKC:checked+.style-module--checkbox--2Ha9r:after{display:block}.style-module-
-input--CKpKC.style-module--error--1LQt5+.style-module--checkbox--2Ha9r{border-color:#d8365d}.style-
module--sm--3v0C2 .style-module--checkbox--2Ha9r,.style-module--sm--3v0C2
input{width:15px;height:15px}.style-module--sm--3v0C2 .style-module--label--2uunW{font-size:11px;line-
height:14px}.style-module--academy--iGYzj .style-module--checkbox--2Ha9r{border-color:#0074a2}.style-
module--academy--iGYzj .style-module--checkbox--2Ha9r:after{background-color:#0074a2}.style-module--
container--2hvXD,.style-module--menu--1h96n,.style-module--mobile--14cbj select{border-radius:4px;border:2px
solid rgba(130,148,148,.25);background-color:#fff;padding:6px 15px;width:100%;display:-ms-

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flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-align:center;align-
items:center;cursor:pointer;position:relative;color:#829494;font-size:16px;font-weight:300;line-height:25px;letter-
spacing:0}@media screen and (max-width:767px){.style-module--container--2hvXD,.style-module--menu--
1h96n,.style-module--mobile--14cbj select{max-width:none}@media screen and (max-width:767px){.style-
module--select--3SFOn .style-module--container--2hvXD{display:none}.style-module--select--3SFOn .style-
module--menu--1h96n{padding:0;z-index:10;position:absolute;top:38px;left:-2px;width:calc(100% + 4px);max-
height:0;opacity:0;overflow:hidden;transition:all .5s ease-in-out}.style-module--select--3SFOn .style-module--
menu--1h96n ul{color:#173361;margin:0;padding:0;list-style:none;text-align:left;width:100%;max-
height:420px}.style-module--select--3SFOn .style-module--menu--1h96n ul li{padding:8px 15px;line-
height:1.75;white-space:nowrap;text-overflow:ellipsis;overflow-x:hidden}.style-module--select--3SFOn .style-
module--menu--1h96n ul li.style-module--selected--3yaOi,.style-module--select--3SFOn .style-module--menu--
1h96n ul li:hover{font-weight:700;background:hsla(0,0%,96.1%,.85)}.style-module--select--3SFOn .style-module--
menu--1h96n.style-module--overflow--1RxFl ul{overflow-y:scroll}.style-module--select--3SFOn.style-module--
fullWidth--2xKDP .style-module--container--2hvXD,.style-module--select--3SFOn.style-module--fullWidth--
2xKDP .style-module--menu--1h96n{max-width:none}.style-module--select--3SFOn.style-module--error--3hwWy
.style-module--container--2hvXD{border-color:#d8365d}.style-module--select--3SFOn.style-module--isOpen--
1d_xH .style-module--container--2hvXD{color:#173361;border-bottom-left-radius:0;border-bottom-right-
radius:0}.style-module--select--3SFOn.style-module--isOpen--1d_xH .style-module--menu--1h96n{max-
height:420px;opacity:1;border-top-left-radius:0;border-top-right-radius:0}.style-module--select--3SFOn.style-
module--hasValue--1Ju1P .style-module--container--2hvXD{color:#173361}.style-module--icon--2tH3R{margin-
right:15px}.style-module--mobile--14cbj{display:none;position:relative;width:100%}@media screen and (max-
width:767px){.style-module--mobile--14cbj{display:inline-block}}.style-module--mobile--14cbj
select{height:40px;-webkit-appearance:none;-moz-appearance:none;appearance:none;cursor:pointer}.style-module-
-mobile--14cbj .style-module--icon--2tH3R{position:absolute;top:50%;right:20px}.style-module--tagline--
3IYwW{color:#173361;font-size:12px;font-weight:500;letter-spacing:2.33px;line-height:2.29;text-
transform:uppercase;margin-bottom:10px}.style-module--tagline--3IYwW a{text-decoration:underline}.style-
module--hero--1nLoF{background-color:#b4e1e4;border-radius:8px;color:#173361;font-size:18px;font-
weight:300;line-height:1.39;margin:85px 25px 15px}@media screen and (max-width:767px){.style-module--hero--
1nLoF{border-radius:0;margin-left:0;margin-right:0}}@media print{.style-module--hero--1nLoF{margin-
top:0}}.style-module--hero--1nLoF h1{color:#173361;font-size:46px;font-weight:700;line-
height:1.26;margin:0}@media screen and (max-width:767px){.style-module--hero--1nLoF h1{font-size:28px;word-
break:break-word}}.style-module--hero--1nLoF h1 a{color:inherit;text-decoration:underline}.style-module--hero--
1nLoF .style-module--container--1TRql{background-size:40% 100%;background-repeat:no-repeat;background-
position:100% 0;max-width:1170px;margin:0 auto;display:-ms-flexbox;display:flex;-ms-flex-align:center;align-
items:center;padding:100px 15px;-ms-flex-pack:center;justify-content:center;text-align:center}@media print{.style-
module--hero--1nLoF .style-module--container--1TRql{padding:20px 0}}@media screen and (max-
width:767px){.style-module--hero--1nLoF .style-module--container--1TRql{background-
image:none!important;height:auto;padding-top:50px;padding-bottom:50px}}.style-module--hero--1nLoF .style-
module--container--1TRql.style-module--afterContentBottom--3LpT1{-ms-flex-direction:column;flex-
direction:column}.style-module--hero--1nLoF .style-module--container--1TRql.style-module--afterContentBottom--
3LpT1 .style-module--afterContent--3dL4o{margin-top:100px}.style-module--hero--1nLoF .style-module--
container--1TRql .style-module--content--34byx{line-height:1.39;font-size:18px;font-weight:300;max-
width:90%;width:800px}@media screen and (max-width:991px){.style-module--hero--1nLoF .style-module--
container--1TRql .style-module--content--34byx{text-align:center;margin:auto}}.style-module--hero--1nLoF .style-
module--container--1TRql .style-module--content--34byx>p:first-of-type{margin-top:50px}@media screen and
(max-width:767px){.style-module--hero--1nLoF .style-module--container--1TRql .style-module--content--
34byx>p:first-of-type{margin-top:25px}}.style-module--hero--1nLoF .style-module--container--1TRql .style-
module--content--34byx p+p{margin-top:15px}.style-module--hero--1nLoF .style-module--container--1TRql .style-

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module--imageContainer--ZuS-j {max-width:400px;margin-left:100px;-ms-flex-negative:0;flex-shrink:0} @media
screen and (max-width:991px){.style-module--hero--1nLoF .style-module--container--1TRqI .style-module--
imageContainer--ZuS-j {display:none}}.style-module--hero--1nLoF .style-module--footnote--3qpiY {font-
weight:300;font-size:12px;color:#000;display:block;margin-top:15px}.style-module--hero--1nLoF .style-module--
ctaContainer--1IaN3 {display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;-ms-flex-
align:center;align-items:center;margin-top:50px} @media screen and (max-width:767px){.style-module--hero--
1nLoF .style-module--ctaContainer--1IaN3 {margin-top:25px}} @media screen and (min-width:576px){.style-
module--hero--1nLoF .style-module--ctaContainer--1IaN3 {-ms-flex-direction:row;flex-direction:row;-ms-flex-
pack:center;justify-content:center}}.style-module--hero--1nLoF .style-module--ctaContainer--1IaN3 .style-module--
button--2qoRp {min-width:141px;padding-left:40px;padding-right:40px} @media screen and (max-
width:575px){.style-module--hero--1nLoF .style-module--ctaContainer--1IaN3 .style-module--button--2qoRp {min-
width:unset;max-width:270px;width:80%}}.style-module--hero--1nLoF .style-module--ctaContainer--1IaN3 .style-
module--button--2qoRp+.style-module--button--2qoRp {margin-top:10px} @media screen and (min-
width:576px){.style-module--hero--1nLoF .style-module--ctaContainer--1IaN3 .style-module--button--
2qoRp+.style-module--button--2qoRp {margin-left:10px;margin-top:0}}.style-module--hero--1nLoF .style-module--
textLeft--HI8a_ {-ms-flex-pack:start;justify-content:flex-start;text-align:left;width:95%} @media screen and (min-
width:768px) and (max-width:991px){.style-module--hero--1nLoF .style-module--textLeft--HI8a_ .style-module--
content--34byx {width:80%}} @media screen and (max-width:767px){.style-module--hero--1nLoF .style-module--
textLeft--HI8a_ .style-module--content--34byx {width:100%;-ms-flex-pack:center;justify-content:center;text-
align:center}}.style-module--hero--1nLoF .style-module--textLeft--HI8a_ .style-module--ctaContainer--1IaN3 {-ms-
flex-pack:center;justify-content:center} @media screen and (min-width:992px){.style-module--hero--1nLoF .style-
module--textLeft--HI8a_ .style-module--ctaContainer--1IaN3 {-ms-flex-pack:start;justify-content:flex-start}}.style-
module--hero--1nLoF .style-module--containerImageBottom--2LKI6 {padding-
top:100px;height:auto;position:relative} @media screen and (min-width:768px){.style-module--hero--1nLoF .style-
module--containerImageBottom--2LKI6 {padding-bottom:258px}} @media screen and (max-width:767px){.style-
module--hero--1nLoF .style-module--containerImageBottom--2LKI6 {padding-top:50px}}.style-module--hero--
1nLoF .style-module--containerImageBottom--2LKI6 .style-module--image_bottom--zOesm {margin-
top:60px;max-height:400px;position:absolute;left:50%;-ms-transform:translateX(-50%);transform:translateX(-
50%)} @media screen and (min-width:768px){.style-module--hero--1nLoF .style-module--containerImageBottom--
2LKI6 .style-module--image_bottom--zOesm {bottom:-210px}} @media screen and (max-width:767px){.style-
module--hero--1nLoF .style-module--containerImageBottom--2LKI6 .style-module--image_bottom--
zOesm {display:none}}.style-module--hero--1nLoF .style-module--denim--15Zqi {background-
color:#173361;color:#fff}.style-module--hero--1nLoF .style-module--denim--15Zqi h1 {color:#fff}.style-module--
hero--1nLoF .style-module--denim--15Zqi .style-module--tagline--jeiwh {color:#38cccd}.style-module--hero--
1nLoF .style-module--academy--21rqe {background-color:#0074a2;color:#fff}.style-module--hero--1nLoF .style-
module--academy--21rqe .style-module--tagline--jeiwh,.style-module--hero--1nLoF .style-module--academy--21rqe
h1 {color:#fff}.style-module--hero--1nLoF .style-module--island--1yBks {background-
color:#38cccd;color:#fff}.style-module--hero--1nLoF .style-module--island--1yBks .style-module--tagline--
jeiwh,.style-module--hero--1nLoF .style-module--island--1yBks h1 {color:#fff}.style-module--hero--1nLoF .style-
module--ice--1HVBN {background-color:#e6f5fb;color:#173361}.style-module--hero--1nLoF .style-module--ice--
1HVBN .style-module--tagline--jeiwh,.style-module--hero--1nLoF .style-module--ice--1HVBN
h1 {color:#173361}.style-module--hero--1nLoF .style-module--darkPurple--3cUD3 {background-
color:#431d73;color:#fff}.style-module--hero--1nLoF .style-module--darkPurple--3cUD3 .style-module--tagline--
jeiwh,.style-module--hero--1nLoF .style-module--darkPurple--3cUD3 h1 {color:#fff}.style-module--hero--
1nLoF .style-module--green--1pKLp {background-color:#159e86;color:#fff}.style-module--hero--1nLoF .style-
module--green--1pKLp .style-module--tagline--jeiwh,.style-module--hero--1nLoF .style-module--green--1pKLp
h1 {color:#fff}.style-module--hero--1nLoF .style-module--blue--32EDh {background-color:#0dacc;color:#fff}.style-
module--hero--1nLoF .style-module--blue--32EDh .style-module--tagline--jeiwh,.style-module--hero--1nLoF .style-
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module--blue--32EDh h1 { color:#fff }.style-module--hero--1nLoF.style-module--orange--3Nn0V { background-color:#e37d62;color:#fff }.style-module--hero--1nLoF.style-module--orange--3Nn0V .style-module--tagline--jeiwh,.style-module--hero--1nLoF.style-module--orange--3Nn0V h1 { color:#fff }.style-module--hero--1nLoF.style-module--grey--b1HtI { background-color:#58788c;color:#fff }.style-module--hero--1nLoF.style-module--grey--b1HtI .style-module--tagline--jeiwh,.style-module--hero--1nLoF.style-module--grey--b1HtI h1 { color:#fff }.style-module--hero--1nLoF.style-module--white--2ExPf { background-color:#fff;color:#173361 }.style-module--hero--1nLoF.style-module--white--2ExPf h1 { color:#173361 }.style-module--hero--1nLoF.style-module--white--2ExPf .style-module--tagline--jeiwh { color:#0074a2 }.wp .style-module--hero--1nLoF { margin-top:5px !important;margin-bottom:0 }.wp .style-module--hero--1nLoF p { color:#173361;line-height:1.39;font-size:18px;font-weight:300 }.style-module--thankyou--2DaBZ { color:#000;font-size:28px;font-weight:500 } @media screen and (max-width:767px) { .style-module--thankyou--2DaBZ { font-size:21px } }.style-module--container--v6Tvx { position:fixed;top:0;left:0;width:100%;height:100%;z-index:100;pointer-events:none }.style-module--content--3Dxe5 { position:fixed;top:100%;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%);background:#fff;margin:0 auto;border-radius:5px;height:auto;width:100%;max-width:700px;max-height:80%;padding:30px;transition:all .25s ease-in-out;z-index:200 }.style-module--close--1K7Mo { position:absolute;right:33px;top:33px;cursor:pointer;opacity:.5;height:25px;width:25px;z-index:200;transition:all .25s ease-in-out }.style-module--close--1K7Mo:hover { opacity:1 }.style-module--close--1K7Mo:after,.style-module--close--1K7Mo:before { position:absolute;left:15px;content:"";height:30px;width:3px;background-color:#333 }.style-module--close--1K7Mo.style-module--sm--3FBda:after,.style-module--close--1K7Mo.style-module--sm--3FBda:before { height:20px }.style-module--close--1K7Mo:before { -ms-transform:rotate(45deg);transform:rotate(45deg) }.style-module--close--1K7Mo:after { -ms-transform:rotate(-45deg);transform:rotate(-45deg) }.style-module--active--2tAbX { pointer-events:auto }.style-module--active--2tAbX .style-module--content--3Dxe5 { top:50%;left:50%;-ms-transform:translate(-50%,-50%);transform:translate(-50%,-50%) }.style-module--videoContainer--3o_eo iframe { width:100%;height:100%;position:absolute;top:0;left:0 }.style-module--videoContainer--3o_eo .style-module--content--3Dxe5 { background:#333;padding:0;width:100%;max-width:940px;height:auto;max-height:540px;border-radius:0;opacity:0 }.style-module--videoContainer--3o_eo .style-module--video--qbhce { position:relative;width:100%;height:0;padding-bottom:56.25% }.style-module--videoContainer--3o_eo .style-module--close--1K7Mo { top:-30px;right:-30px;opacity:.8 }.style-module--videoContainer--3o_eo .style-module--close--1K7Mo:hover { opacity:1 }.style-module--videoContainer--3o_eo .style-module--close--1K7Mo:after,.style-module--videoContainer--3o_eo .style-module--close--1K7Mo:before { background-color:#fff }.style-module--videoContainer--3o_eo .style-module--active--2tAbX .style-module--content--3Dxe5 { opacity:1 }.style-module--powder--BBZ_b { background:#d7eff6 }.style-module--powder--BBZ_b .style-module--close--1K7Mo { opacity:1 }.style-module--powder--BBZ_b .style-module--close--1K7Mo:hover { opacity:.7 }.style-module--powder--BBZ_b .style-module--close--1K7Mo:after,.style-module--powder--BBZ_b .style-module--close--1K7Mo:before { background-color:#0074a2 }.style-module--pagination--2YHER ul { list-style:none;margin:0;padding:0;text-align:center } @media screen and (max-width:767px) { .style-module--pagination--2YHER ul { display:none } }.style-module--pagination--2YHER ul li { display:inline-block;border-radius:50%;color:#829494;margin:0 5px 5px }.style-module--pagination--2YHER ul li .style-module--dots--3mYwl { vertical-align:bottom }.style-module--pagination--2YHER ul li>* { display:block;width:42px;height:42px;font-size:14px;border-radius:50%;text-align:center;border:1px solid #829494;line-height:2.9;color:#fff }.style-module--pagination--2YHER ul li a { color:#829494;transition:none }.style-module--pagination--2YHER ul li .style-module--selected--1eCAQ>*,.style-module--pagination--2YHER ul li a:hover { background:#0074a2;border-color:#0074a2;color:#fff;text-decoration:none }.style-module--pagination--2YHER ul li .style-module--nextPrev--1p0Y7 { vertical-align:middle }.style-module--pagination--2YHER ul li .style-module--nextPrev--1p0Y7>* { font-size:35px;line-height:1;border:0;color:#0074a2;width:auto;height:auto }.style-module--pagination--2YHER ul li .style-module--nextPrev--1p0Y7>:hover { background:none;color:#0074a2 }.style-module--pagination--2YHER .style-module--select--3RbV5 { display:none;width:150px;margin:0 auto } @media

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screen and (max-width:767px){.style-module--pagination--2YHEr .style-module--select--
3RbV5{display:block}}.style-module--searchResultsHeader--1mw-i{display:-ms-flexbox;display:flex;-ms-flex-
align:center;align-items:center;margin-bottom:50px}.style-module--searchResultsHeader--1mw-i
h4{color:#000;font-size:28px;font-weight:500}@media screen and (max-width:767px){.style-module--
searchResultsHeader--1mw-i h4{font-size:21px}}.style-module--searchResultsHeader--1mw-i .style-module--clear-
-24W_M{background:#c4c4c4;border-radius:50%;color:#fff;cursor:pointer;width:20px;height:20px;margin-
left:5px;display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;-ms-flex-pack:center;justify-
content:center;font-size:18px}.style-module--searchSimpleFormOverlay--
wdrlp{opacity:0;position:fixed;top:50%;left:50%;z-index:105;max-width:720px;width:100%;-ms-
transform:translate(-50%,-50%);transform:translate(-50%,-50%);transition:all .3s ease-in-out;pointer-
events:none}.style-module--searchSimpleFormOverlay--wdrlp input{width:100%;padding:20px;border:0;border-
radius:8px;outline:none;font-size:18px;color:rgba(0,0,0,.85)}.style-module--searchSimpleFormOverlay--
wdrlp.style-module--active--1zCL5{opacity:1;pointer-events:all}.style-module--titleEyebrow--
1cR4_{color:#173361;font-size:40px;font-weight:500;margin:0 auto 100px;max-width:760px;width:80%;padding-
top:50px;padding-bottom:0;position:relative;text-align:center}@media screen and (max-width:767px){.style-
module--titleEyebrow--1cR4_{font-size:24px;padding-top:30px;margin-bottom:30px}}.style-module--
titleEyebrow--
1cR4_::before{content:"";width:40px;height:4px;background:#38ccd;border:0;position:absolute;top:0;left:50%;-
ms-transform:translateX(-50%);transform:translateX(-50%);border-radius:10px}.style-module--purple--
2xL6D::before{background:#551d9d}.style-module--green--140Xz::before{background:#159e86}.style-module--
blue--3wFL2::before{background:#0dacc}.style-module--orange--19EsT::before{background:#e37d62}.style-
module--grey--3eDVD::before{background:#58788c}.style-module--sectionTitle--2jZI_{text-align:center;max-
width:960px;width:90%;margin:0 auto}.style-module--sectionTitle--2jZI_.style-module--hasSummary--
1no4l{margin-bottom:50px}@media screen and (max-width:767px){.style-module--sectionTitle--2jZI_.style-
module--hasSummary--1no4l{margin-bottom:30px}}.style-module--sectionTitle--2jZI_.not(.style-module--
hasSummary--1no4l){margin-bottom:100px}@media screen and (max-width:767px){.style-module--sectionTitle--
2jZI_.not(.style-module--hasSummary--1no4l){margin-bottom:50px}}.style-module--sectionTitle--2jZI_.style-
module--title--3Euzj{margin-bottom:0}@media screen and (max-width:767px){.style-module--sectionTitle--2jZI_
.style-module--title--3Euzj{line-height:1}}.style-module--browless--CHF2O{text-align:center;margin-
bottom:50px}.style-module--browless--CHF2O h3{color:#000;font-size:28px;font-weight:500;padding:0}.style-
module--summary--2q5sK{width:830px;max-width:100%;margin:50px auto 100px;font-size:16px;font-
weight:300;line-height:1.56;text-align:center}@media screen and (max-width:767px){.style-module--summary--
2q5sK{margin-top:30px;margin-bottom:50px}}.style-module--summary--2q5sK.style-module--denim--
1DoX9{font-weight:500;font-size:20px;color:#173361}.style-module--section--2XsCV{background-
color:transparent;border-radius:8px;margin:0 25px;background:hsla(0,0%,96.1%,.85);padding:50px 0}@media
screen and (max-width:767px){.style-module--section--2XsCV{border-radius:0;margin-left:0;margin-
right:0}}.style-module--section--2XsCV.style-module--robinsEgg--LFgus{background:#b4e1e4}.style-module--
section--2XsCV.style-module--ice--30OgX{background:#e6f5fb}.style-module--section--2XsCV.style-module--
noBg--180h6{background:none}.style-module--section--2XsCV.style-module--noBg--180h6:first-child,.style-
module--section--2XsCV.style-module--noBg--180h6:first-of-type{padding-top:0}.style-module--section--
2XsCV.style-module--alignCenter--1L8_q{text-align:center}.style-module--section--2XsCV.style-module--
hasOneLiner--1p7m-.style-module--title--wHTN1{margin-bottom:50px}@media screen and (min-
width:768px){.style-module--section--2XsCV.style-module--spacing_medium--D-7ZH{padding:50px 0}}@media
screen and (min-width:768px){.style-module--section--2XsCV.style-module--spacing_large--
cQa4H{padding:100px 0}}.style-module--oneLiner--1FdcA{margin-bottom:50px;text-align:center}.style-module--
contentContainer--1-LvB{margin:0 auto;max-width:1170px;padding-left:15px;padding-
right:15px;width:auto}@media screen and (min-width:768px) and (max-width:991px){.style-module--
contentContainer--1-LvB.style-module--noBg--180h6{padding-left:0;padding-right:0}}@media screen and (min-

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width:992px) and (max-width:1199px){.style-module--contentContainer--1-LvB.style-module--noBg--180h6{padding-left:0;padding-right:0}}.style-module--paragraph--2KB8F{width:35%;margin:0 auto;line-height:1.63;color:#000;font-size:18px;font-weight:300}@media screen and (max-width:767px){.style-module--paragraph--2KB8F{width:90%}}.style-module--ctaContainer--pFbUg{margin:100px auto 0;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}@media screen and (max-width:991px){.style-module--ctaContainer--pFbUg{margin:50px auto 0}}@media screen and (max-width:575px){.style-module--ctaContainer--pFbUg{-ms-flex-direction:column;flex-direction:column;-ms-flex-align:center;align-items:center}}.style-module--ctaContainer--pFbUg>:not(:first-child){margin-left:20px}@media screen and (max-width:575px){.style-module--ctaContainer--pFbUg>:not(:first-child){margin-top:20px;margin-left:0}}.style-module--icon--22aj0{width:40px;max-width:none}.style-module--card--13DnA{color:#000}.style-module--card--13DnA p{margin:0 0 25px}.style-module--card--13DnA p img{float:left;margin-right:15px}.style-module--hero--1e4LA .style-module--imageContainer--1UGDo{-ms-flex-item-align:start;align-self:flex-start}.style-module--hero--1e4LA .style-module--imageContainer--1UGDo img{max-width:370px}.style-module--hero--1e4LA .style-module--imageContainer--1UGDo svg{width:370px}.style-module--section--37qRW .style-module--imageContainer--171BX{width:270px}.style-module--section--37qRW .style-module--card--2bKA{border-width:7px;margin-bottom:0}.style-module--section--37qRW .style-module--dot--3tfYP{display:block}.style-module--button--17RR7+.style-module--button--17RR7{margin-left:10px}@media screen and (max-width:575px){.style-module--button--17RR7+.style-module--button--17RR7{margin-left:0;margin-top:10px}}.style-module--sectionContent--1W6av{padding:25px}.style-module--sectionContent--1W6av h1,.style-module--sectionContent--1W6av h2,.style-module--sectionContent--1W6av h3{color:#173361;margin:25px 0 15px;padding:0}.style-module--sectionContent--1W6av h3{color:#173361;font-size:18px;font-weight:700;line-height:23px}@media screen and (max-width:767px){.style-module--sectionContent--1W6av{margin:0 15px;text-align:center}}.style-module--sectionContent--1W6av.style-module--bg_white--13ZJH{background-color:#fff}.style-module--sectionContent--1W6av .style-module--contentContainer--3Qcyf{-ms-flex:1 1;flex:1 1}.style-module--sectionContent--1W6av .style-module--imageContainer--291eb{max-width:470px}@media screen and (max-width:767px){.style-module--sectionContent--1W6av .style-module--imageContainer--291eb{margin:0 auto}}@media screen and (min-width:768px){.style-module--left--1sbqu .style-module--grid--2J6vK .style-module--contentContainer--3Qcyf,.style-module--right--3LEvb .style-module--grid--2J6vK .style-module--imageContainer--291eb{margin-left:25px!important}}@media screen and (max-width:767px){.style-module--left--1sbqu .style-module--grid--2J6vK .style-module--contentContainer--3Qcyf,.style-module--right--3LEvb .style-module--grid--2J6vK .style-module--imageContainer--291eb{margin-top:25px!important}}.style-module--left--1sbqu .style-module--grid--2J6vK .style-module--imageContainer--291eb,.style-module--right--3LEvb .style-module--grid--2J6vK .style-module--imageContainer--291eb{margin:0}@media screen and (max-width:767px){.style-module--left--1sbqu .style-module--grid--2J6vK .style-module--imageContainer--291eb,.style-module--right--3LEvb .style-module--grid--2J6vK .style-module--imageContainer--291eb{margin:0 auto}}@media screen and (min-width:768px){.style-module--noImage--27tFT h2{margin-bottom:50px}}.style-module--noImage--27tFT ul{list-style-position:inside}.style-module--noImage--27tFT .style-module--contentContainer--3Qcyf{margin:0;text-align:center}.style-module--noImage--27tFT .style-module--sectionContent--1W6av{padding:0}.style-module--ctaContainer--3vcVr{margin-top:50px}@media screen and (max-width:767px){.style-module--twoColumnTexts--3GVuA ul{list-style-position:inside;padding:0;margin:0}}.style-module--twoColumnTexts--3GVuA .style-module--imageContainer--291eb{margin:0 auto 25px;max-width:none;text-align:center}.style-module--twoColumnTexts--3GVuA .style-module--imageContainer--291eb img{max-height:300px}.style-module--twoColumnTexts--3GVuA .style-module--ctaContainer--3vcVr{text-align:center}@media screen and (min-width:768px){.style-module--twoColumnTexts--3GVuA .style-module--grid--2J6vK>div:last-child{padding-left:15px}}@media screen and (max-width:767px){.style-module--twoColumnTexts--3GVuA .style-module--grid--2J6vK>div:last-child{padding-top:15px}}.style-module--section--2OZcS{padding-top:50px!important;padding-bottom:50px}.style-module--section--2OZcS.style-module--sm--2e0EF{padding-top:20px!important;padding-bottom:20px}.style-module--sectionImage--2VxLy{-ms-flex-align:center;align-items:center}.style-module--sectionImage--2VxLy .style-module-

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-imageContainer--1ryhq{display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;-ms-
flex-align:center;align-items:center;text-align:center}@media screen and (max-width:991px){.style-module--
sectionImage--2VxLy .style-module--imageContainer--1ryhq{margin:20px 0}}@media screen and (max-
width:991px){.style-module--sectionImage--2VxLy .style-module--imageContainer--1ryhq:first-of-type{margin-
top:0}}@media screen and (max-width:991px){.style-module--sectionImage--2VxLy .style-module--
imageContainer--1ryhq:last-of-type{margin-bottom:0}}.style-module--sectionImage--2VxLy .style-module--
imageContainer--1ryhq img{max-width:100%;-o-object-fit:contain;object-fit:contain}.style-module--sectionImage--
2VxLy .style-module--imageContainer--1ryhq .style-module--title--3K_gD{color:#000;font-
size:14px;width:85%;margin-top:15px}.style-module--sectionImage--2VxLy .style-module--imageContainer--1ryhq
.style-module--title--3K_gD a{color:inherit;text-decoration:underline}.style-module--toc--3Z34A>div:first-child
h3{margin-top:0}.style-module--toc--3Z34A ul{list-style:none;margin:0;padding:0}.style-module--toc--3Z34A ul
li{margin-bottom:10px}.style-module--toc--3Z34A ul li a{color:#173361;font-size:21px;font-weight:500;line-
height:27px}.style-module--faqContent--3OYeA>div:first-child h3{margin-top:0}.style-module--faqContent--
3OYeA .style-module--card--2yIN3{border:2px solid hsla(0,0%,96.1%,.85);border-radius:8px;margin-
bottom:10px;padding:25px}.style-module--faqContent--3OYeA .style-module--card--2yIN3 h4{color:#173361;font-
size:18px;font-weight:700;line-height:23px}.style-module--faqContent--3OYeA .style-module--card--2yIN3
div{color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}.style-module--faq--2N00h{text-
align:left}.style-module--faq--2N00h hr{margin:90px 0;border-top:7px solid hsla(0,0%,96.1%,.85)}.style-module--
faq--2N00h h3{color:#000;font-size:28px;font-weight:500;margin:50px 0 30px}@media screen and (max-
width:767px){.style-module--faq--2N00h h3{font-size:21px}}.style-module--featuredPartnersSection--
1dyfM{margin-bottom:0}@media screen and (min-width:576px) and (max-width:767px){.style-module--
featuredPartnersSection--1dyfM .style-module--grid--1yELm{-ms-flex-direction:row;flex-direction:row}}.style-
module--featuredPartnersSection--1dyfM .style-module--grid--1yELm .style-module--partner--3Uw11{display:-ms-
flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;-ms-flex-align:center;align-items:center;-ms-
flex-pack:start;justify-content:flex-start;padding:0 40px 60px}@media screen and (min-width:576px) and (max-
width:767px){.style-module--featuredPartnersSection--1dyfM .style-module--grid--1yELm .style-module--partner--
3Uw11{margin:0;width:50%}}.style-module--featuredPartnersSection--1dyfM .style-module--grid--1yELm .style-
module--partner--3Uw11 .style-module--imageContainer--3EjXP{max-width:200px;height:100px;display:-ms-
flexbox;display:flex;-ms-flex-align:center;align-items:center}.style-module--featuredPartnersSection--1dyfM .style-
module--grid--1yELm .style-module--partner--3Uw11 .style-module--imageContainer--3EjXP
img{width:100%}.style-module--featuredPartnersSection--1dyfM .style-module--grid--1yELm .style-module--
partner--3Uw11 a{margin-top:20px}@media screen and (min-width:576px) and (max-width:767px){.style-module-
featuredPartnersSection--1dyfM .style-module--grid--1yELm .style-module--partner--3Uw11 a{margin:0}}.style-
module--header--31rfm{position:fixed;top:0;left:0;background:#fff;width:100%;z-
index:20;height:85px;padding:18px 0;box-shadow:0 4px 10px -3px #829494;transition:box-shadow .3s ease-in-
out}@media print{.style-module--header--31rfm{position:relative}}.style-module--header--31rfm
ul{margin:0;padding:0;list-style:none}.style-module--header--31rfm.style-module--topPage--85hNf{box-
shadow:none}@media screen and (min-width:768px) and (max-width:991px){.style-module--header--31rfm>.style-
module--container--3N3ii{width:100%;padding-left:25px;padding-right:25px}}.style-module--header--31rfm .style-
module--nav--1mswf{float:right;display:block}@media screen and (max-width:767px){.style-module--header--
31rfm .style-module--nav--1mswf{display:none}}@media screen and (max-width:920px){.style-module--header--
31rfm .style-module--nav--1mswf{display:none}}.style-module--header--31rfm .style-module--nav--
1mswf>ul>li{display:inline-block;margin:0 15px;position:relative}@media screen and (min-width:1200px){.style-
module--header--31rfm .style-module--nav--1mswf>ul>li{margin:0 20px}}.style-module--header--31rfm .style-
module--nav--1mswf>ul>li>a{display:block;font-size:14px;font-weight:400;letter-spacing:.7px;text-
transform:uppercase;text-decoration:none;-ms-transform:none!important;transform:none!important}.style-module--
header--31rfm .style-module--nav--1mswf>ul>li:not(.style-module--download--XKthR) a{color:#173361}.style-
module--header--31rfm .style-module--nav--1mswf>ul>li:not(.style-module--download--

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XKthR)>ul{display:block;background:#fff;color:#15202b;position:absolute;top:58px;left:-60px;padding:10px 10px
10px 0;border-radius:7px;transition:all .3s ease-in-out;opacity:0;visibility:hidden;border:1px solid #e0e0e0;box-
shadow:none;z-index:10}.style-module--header--31rfm .style-module--nav--1mswf>ul>li:not(.style-module--
download--XKthR)>ul a{color:#173361;font-size:16px;font-weight:300;width:100%;display:block;white-
space:nowrap;overflow:hidden;text-overflow:ellipsis;padding:10px 0;margin:0 20px;line-height:20px}.style-
module--header--31rfm .style-module--nav--1mswf>ul>li:not(.style-module--download--XKthR):hover>a{border-
bottom:5px solid #b78142;font-weight:400;color:#111820}.style-module--header--31rfm .style-module--nav--
1mswf>ul>li:not(.style-module--download--XKthR):hover>ul{opacity:1;visibility:visible}.style-module--header--
31rfm .style-module--nav--1mswf .style-module--indent--I5Hp9{margin-left:20px}.style-module--header--31rfm
.style-module--logo--1fS2J{float:left;position:absolute;top:50%;-ms-transform:translateY(-
50%);transform:translateY(-50%);z-index:99;margin-right:20px;background:#fff}.style-module--header--31rfm
.style-module--logo--1fS2J svg{width:180px}@media screen and (min-width:1200px){.style-module--header--
31rfm .style-module--logo--1fS2J svg{width:250px;max-width:none}}.style-module--header--31rfm .style-module-
-navMobile--1PXXZ{display:none}.style-module--header--31rfm .style-module--navMobile--1PXXZ
nav{opacity:0;visibility:hidden;background:#111820;position:fixed;padding:1em 0 80px;left:0;width:100%;border-
top:1px solid #4c4c4d;height:90%;transition:all .5s ease;overflow:auto;top:80px}.style-module--header--31rfm
.style-module--navMobile--1PXXZ nav>ul{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-
wrap:wrap}.style-module--header--31rfm .style-module--navMobile--1PXXZ nav>ul>li{margin-
bottom:20px}.style-module--header--31rfm .style-module--navMobile--1PXXZ nav>ul>li>a{color:#fff;text-
transform:uppercase;padding:5px 20px;display:block}.style-module--header--31rfm .style-module--navMobile--
1PXXZ nav>ul>li ul li a{color:#a7a7a8;text-transform:none;padding:5px 20px;display:block}@media screen and
(max-width:920px){.style-module--header--31rfm .style-module--navMobile--1PXXZ{display:block}.style-
module--header--31rfm .style-module--navMobile--1PXXZ.style-module--open--2mcoG
nav{opacity:1;visibility:visible}.style-module--header--31rfm .style-module--navMobile--1PXXZ.style-module--
open--2mcoG>button .icon-bar{display:none}.style-module--header--31rfm .style-module--navMobile--
1PXXZ.style-module--open--2mcoG>button:after{content:"\D7";color:#111820;cursor:pointer;font-size:24px;line-
height:0;margin-left:5px;position:relative;top:0}.style-module--header--31rfm .style-module--navMobile--
1PXXZ>button{margin:0;display:block;padding:10px}.style-module--header--31rfm .style-module--navMobile--
1PXXZ .icon-bar{background-color:#111820}.style-module--searchContainer--M0vVi{background:0
0;position:relative;float:right;margin-top:5px}@media screen and (max-width:920px){.style-module--
searchContainer--M0vVi{margin-top:3px}}@media screen and (min-width:992px){.style-module--
searchContainer--M0vVi{margin-right:20px}}.style-module--searchContainer--M0vVi>button{background-
color:transparent;border:0;outline:0;float:left;position:relative;z-index:2;text-align:left;text-indent:-
9999px;display:block;height:18px;width:18px;background-image:url(https://cdn.confluent.io/wp-
content/themes/confluent/assets/images/search-icon.png);background-repeat:no-repeat;margin:9px;transition:width
.3s,left .1s,bottom .1s;padding:0;background-size:15px}.style-module--searchContainer--
M0vVi>div{float:left;overflow:hidden;position:relative;z-index:1;width:1px;transition:width .3s,left .1s,bottom
.1s}.style-module--searchContainer--M0vVi>div input{display:inline-block;font-size:14px;font-weight:400;line-
height:16px;float:left;height:32px;padding:0 20px 0 40px;color:#fff;border:0;border-radius:2px;background:0
0;width:200px;outline:0}.style-module--searchContainer--M0vVi.style-module--active--3q6zJ>button{z-
index:0;width:0;visibility:hidden}.style-module--searchContainer--M0vVi.style-module--active--
3q6zJ>div{width:220px}.style-module--searchContainer--M0vVi.style-module--active--3q6zJ>div
input{border:1px solid #333;color:#333}.style-module--languageContainer--
GbiNb{display:none;position:relative;float:right}.style-module--languageContainer--GbiNb ul{display:-ms-
flexbox;display:flex;list-style:none;max-width:40px;padding-left:0;border-
radius:8px;height:42px;overflow:hidden}.style-module--languageContainer--GbiNb ul:before{background-
color:#000;content:" ";display:block}.style-module--languageContainer--GbiNb ul li{-ms-flex-align:center;align-
items:center;display:-ms-flexbox;display:flex;margin:0;padding:6px 0}.style-module--languageContainer--GbiNb ul

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li:before{background-size:cover;border:1px solid #979797;border-radius:20px;content:"";margin-left:0;margin-right:10px;height:30px;width:30px}.style-module--languageContainer--GbiNb ul li a{display:none;color:#000;font-size:12px}.style-module--languageContainer--GbiNb ul li.lang-en{-ms-flex-order:2;order:2;margin:0}.style-module--languageContainer--GbiNb ul li.lang-en:before{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/e10fc60db43311c1d7521b9005ba5d5257054e53/language-english.png")}.style-module--languageContainer--GbiNb ul li.lang-fr{-ms-flex-order:3;order:3;margin:0}.style-module--languageContainer--GbiNb ul li.lang-fr:before{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/2357e84a1b7e54596e3d18f6ec5984174f7de42a/language-french.png")}.style-module--languageContainer--GbiNb ul li.lang-de{-ms-flex-order:4;order:4;margin:0}.style-module--languageContainer--GbiNb ul li.lang-de:before{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/1604bda91e6e4972abb4b7030c72d17b49747417/language-german.png")}.style-module--languageContainer--GbiNb ul li.lang-ja{-ms-flex-order:5;order:5;margin:0}.style-module--languageContainer--GbiNb ul li.lang-ja:before{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/b722710de108f10b5ecacce7634b1db48200fd8e/language-japanese.png")}.style-module--languageContainer--GbiNb.style-module--open--2mcoG ul{height:100%;-ms-flex-direction:column;flex-direction:column;max-width:130px;padding:0 15px}.style-module--languageContainer--GbiNb.style-module--open--2mcoG ul li a{display:block}.style-module--languageContainer--GbiNb.style-module--open--2mcoG .style-module--dropdown--39_e2{border:1px solid #979797;border-radius:8px;background:#fff}.style-module--languageContainer--GbiNb.style-module--open--2mcoG .style-module--toggle--3ljCl{-ms-transform:rotate(270deg);transform:rotate(270deg)}.style-module--languageContainer--GbiNb .style-module--toggle--3ljCl{background-size:cover;cursor:pointer;display:inline-block;height:16px;position:absolute;right:-15px;top:14px;width:10px;background-image:url(https://cdn.confluent.io/wp-content/themes/confluent/assets/images/link-arrow-black.png);-ms-transform:rotate(90deg);transform:rotate(90deg)}@media screen and (min-width:992px){.style-module--languageContainer--GbiNb{display:block}}.smartling-de .style-module--languageContainer--GbiNb .lang-de,.smartling-fr .style-module--languageContainer--GbiNb .lang-fr,.smartling-ja .style-module--languageContainer--GbiNb .lang-ja{-ms-flex-order:1;order:1}.style-module--logo--35JXe g{fill:#173361}.style-module--purple--Ofct3 .bg-fill{fill:#eee8f5}.style-module--purple--Ofct3 .line-fill{fill:#551d9d}.style-module--purple--Ofct3 .line-stroke{stroke:#551d9d}.style-module--gdpr--2VS6b{opacity:0;transition:opacity .5s ease-in-out}.style-module--gdpr--2VS6b.style-module--show--DiYdJ{opacity:1}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6{position:fixed;bottom:0;left:0;background:#173361;width:100%;color:#fff;z-index:11}@media screen and (max-width:640px){.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--button--3srjX{margin:0}}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT{padding:20px 40px;display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-align:center;align-items:center;box-sizing:border-box}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT p{margin:0;font-size:14px;font-weight:400}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprContent--3KsKx{-ms-flex:1 1;flex:1 1;padding-right:200px}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprContent--3KsKx a,.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprContent--3KsKx p{color:#fff}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprContent--3KsKx a{text-decoration:underline}@media screen and (max-width:1024px){.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprContent--3KsKx{padding-right:0;padding-bottom:20px}}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprRight--1UBvi{display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprRight--1UBvi .style-module--button--3srjX:last-child{margin-

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left:10px}@media screen and (max-width:640px){.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprRight--1UBvi .style-module--button--3srjX:last-child{margin-left:0;margin-top:10px}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprRight--1UBvi .style-module--button--3srjX:last-child:before{left:-7px}}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprRight--1UBvi .style-module--button--3srjX{min-width:100px}@media screen and (max-width:991px){.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprRight--1UBvi .style-module--button--3srjX{min-width:205px}}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprRight--1UBvi button:last-of-type{margin-right:0;margin-left:20px}@media screen and (max-width:640px){.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprRight--1UBvi button:last-of-type{margin:0}}@media screen and (max-width:640px){.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprRight--1UBvi{-ms-flex-direction:column;flex-direction:column}}@media screen and (max-width:1024px){.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT{-ms-flex-direction:column;flex-direction:column;-ms-flex-align:center;align-items:center}}.style-module--topBanner--qjZvc{position:fixed;top:0;background:#070a1f;color:#fff;height:40px;width:100%;z-index:20;font-size:11px;font-weight:500;letter-spacing:1.17px;overflow:hidden;text-overflow:ellipsis}.style-module--topBanner--qjZvc .container div{line-height:4}.style-module--topBanner--qjZvc .container a{color:#fff;cursor:pointer;text-decoration:none}.style-module--topBanner--qjZvc .style-module--text--n3hed{position:absolute;left:0;width:100%;text-align:center;z-index:1}.style-module--topBanner--qjZvc .style-module--phone--3dD5b{text-align:right;position:relative;z-index:2;float:right}.style-module--topBanner--qjZvc a.style-module--ogLink--1xHFT{color:#4597cb;margin-left:10px;transition:all .3s ease}.style-module--topBanner--qjZvc a.style-module--ogLink--1xHFT:hover{opacity:.6}.style-module--topBanner--qjZvc .style-module--longText--yBz3N{display:none}@media screen and (min-width:768px){.style-module--topBanner--qjZvc .style-module--longText--yBz3N{display:inline}}@media screen and (max-width:600px){.style-module--topBanner--qjZvc .style-module--phone--3dD5b{display:none}}.style-module--siteFooter--1SYvh{border-top:1px solid #e9e9ed}.style-module--siteFooter--1SYvh footer{background-color:#fff;padding:40px 0}.style-module--footerRow--2E2Yb{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}@media screen and (min-width:992px){.style-module--footerRow--2E2Yb{-ms-flex-pack:justify;justify-content:space-between}}@media screen and (min-width:1200px){.style-module--footerRow--2E2Yb{max-width:100%}}.style-module--footerRow--2E2Yb div:not(:last-of-type){display:none}@media screen and (min-width:992px){.style-module--footerRow--2E2Yb div:not(:last-of-type){display:-ms-flexbox;display:flex}}.style-module--menu--19Yv4{list-style:none;padding:0;color:#fff;font-size:16px;margin:0 20px}.style-module--menu--19Yv4 li{line-height:20px;margin:2px 0 12px}.style-module--menu--19Yv4 li:first-of-type{margin-bottom:25px}.style-module--menu--19Yv4 li:first-of-type a{color:#404040;font-weight:400;font-size:16px}.style-module--menu--19Yv4 li:first-of-type a:hover{transition:none;color:#404040}.style-module--menu--19Yv4 li a{font-weight:300;color:#5d5d5d;text-decoration:none;padding:2px 0;font-size:14px;line-height:18px;display:block}.style-module--menu--19Yv4 li a:hover{color:#4597cb;transition:all .4s ease-in-out}.style-module--socialNav--12Fjk ul{list-style:none;margin:0;padding:0;font-size:16px}.style-module--socialNav--12Fjk ul li{margin:0 5px}.style-module--socialIcon--PjnYm{width:20px;height:20px;fill:#a7a7a8}.style-module--socialIcon--PjnYm.style-module--twitterIcon--3zPrM:hover{fill:#55acee}.style-module--socialIcon--PjnYm.style-module--linkedinIcon--1E52K:hover{fill:#0e76a8}.style-module--socialIcon--PjnYm.style-module--githubIcon--2CHYh:hover{fill:#333}.style-module--socialIcon--PjnYm.style-module--slideshareIcon--3uHWi:hover{fill:#f7941e}.style-module--socialIcon--PjnYm.style-module--youtubeIcon--21oE:.hover{fill:red}.style-module--socialIcon--PjnYm.style-module--instagramIcon--3WweF:hover{fill:#c1558b}.style-module--socialIcon--PjnYm.style-module--facebookIcon--29Pqt:hover{fill:#3b5998}.style-module--


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socialMediaListContainer--m3scG{display:-ms-flexbox;display:flex}@media screen and (max-width:991px){.style-
module--socialMediaListContainer--m3scG{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-
content:center}}.style-module--footerBottom--Nm5lk{padding-top:40px}.style-module--copyright--1gcwO,.wp
.style-module--copyright--1gcwO{max-width:100%;text-align:center}@media screen and (min-
width:992px){.style-module--copyright--1gcwO,.wp .style-module--copyright--1gcwO{text-align:left}}.style-
module--copyright--1gcwO p,.wp .style-module--copyright--1gcwO p{display:inline;font-size:11px;line-
height:1.2;color:#a7a7a8;margin:0;padding:2px 0}.style-module--copyright--1gcwO p:first-of-type,.wp .style-
module--copyright--1gcwO p:first-of-type{line-height:1.5;color:#a7a7a8;padding:0}.style-module--copyright--
1gcwO p a,.wp .style-module--copyright--1gcwO p a{color:#535353;border:0;padding:0}.style-module--copyright--
1gcwO .style-module--onetrustLink--F7UX8,.wp .style-module--copyright--1gcwO .style-module--onetrustLink--
F7UX8{font-size:11px!important;color:#535353!important;border:0!important;padding:0!important}.style-module-
-copyright--1gcwO .style-module--onetrustLink--F7UX8:hover,.wp .style-module--copyright--1gcwO .style-
module--onetrustLink--F7UX8:hover{text-decoration:underline;background-color:#fff!important}.wp
.error404_section{background-color:#2c3437}.wp .page-title{color:#fff;font-weight:400;margin-top:15px;margin-
bottom:15px}.wp .error404-body{padding-top:30px;padding-bottom:80px}.wp .page-cloud-customer-dpa .dpa
p,.wp .page-cloud-customer-dpa .dpa ul{color:#4a4a4a;font-size:16px;font-weight:300;line-style:none;line-
height:26px;margin-bottom:18px}.wp .page-cloud-customer-dpa .dpa li{margin-bottom:9px}.wp .page-cloud-
customer-dpa .dpa ul ul{margin-top:12px}.wp .page-cloud-customer-dpa .dpa .spacer{height:1px;margin-
bottom:24px}.wp .page-cloud-customer-dpa .dpa h3,.wp .page-cloud-customer-dpa .dpa h4{color:#4a4a4a;margin-
bottom:18px;text-align:center}.wp .page-cloud-customer-dpa .dpa h3{margin-bottom:30px!important}.confluent-
privacy-statement-module--container--3nAUI{font-weight:300;line-height:1.78;color:#4a4a4a;font-
size:18px}.confluent-privacy-statement-module--container--3nAUI h2{font-size:30px;text-align:center}.confluent-
privacy-statement-module--container--3nAUI h3{text-align:left;font-size:20px;text-transform:uppercase}.confluent-
privacy-statement-module--container--3nAUI .confluent-privacy-statement-module--disc--2bGkH{list-style-
type:disc}.wp .page-supplemental-services-terms ol,.wp .page-supplemental-services-terms ul{font-size:18px;font-
weight:300;line-height:1.78;color:#4a4a4a}.wp .page-supplemental-services-terms ul{list-style-type:circle}.wp
.page-supplemental-services-terms ol{list-style-type:upper-alpha}.wp .page-supplemental-services-terms ol
li>ol{list-style-type:decimal}.wp .page-template-careers-rebrand section.careers_job_listings_section{text-
align:left}.wp .page-template-careers-rebrand section.careers_job_listings_section h3{margin-top:20px}.wp .page-
template-careers-rebrand section.careers_job_listings_section .jobs{margin-bottom:20px}.wp .page-template-
careers-rebrand section.careers_job_listings_section .job{clear:both;display:block;overflow:hidden;margin-
bottom:5px}.wp .page-template-careers-rebrand section.careers_job_listings_section .job .left{float:left}.wp .page-
template-careers-rebrand section.careers_job_listings_section .job .right{float:right}.wp .page-template-careers-
rebrand section.careers_job_listings_section .job .right a{min-width:100px}.wp .page-template-careers-rebrand
.carousel-item{display:-ms-flexbox!important;display:flex!important;-ms-flex-align:center;align-items:center;-ms-
flex-pack:center;justify-content:center;text-align:center}.wp .page-template-careers-rebrand .h3-border{text-
align:center;font-size:14px!important;font-weight:500;line-height:16px;text-transform:uppercase}.wp .page-
template-careers-rebrand .h3-
border:after{content:"";height:2px;width:40px;background:#257bd7;display:block;margin:5px
auto;position:relative}@media screen and (max-width:1000px){.wp .page-template-careers-rebrand .h3-
border:after{margin:5px auto 0}}.wp .page-template-careers-rebrand .btn{min-width:175px!important;border:1px
solid #173361;background:#fff;display:block;color:#173361;padding-top:12px;padding-bottom:14px;border-
radius:8px}.wp .page-template-careers-rebrand .btn:hover{background:#173361;color:#fff}.wp .page-template-
careers-rebrand .gradient-bluegreen{background-image:linear-gradient(270deg,#31bec2,#257bd7)}.wp .page-
template-careers-rebrand .container{max-width:1272px}.wp .page-template-careers-rebrand
.hero_overview{background-size:cover;background-position:bottom;height:100vh}@media screen and (max-
width:991px){.wp .page-template-careers-rebrand .hero_overview{background-position:inherit}}.wp .page-
template-careers-rebrand .hero_overview .hero-content{text-align:center;left:50%;max-

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width:650px;position:absolute;-ms-transform:translate(-50%,-50%);transform:translate(-50%,-
50%);top:50%;width:100%}.wp .page-template-careers-rebrand .hero_overview .hero-content h1,.wp .page-
template-careers-rebrand .hero_overview .hero-content p{color:#fff}.wp .page-template-careers-rebrand
.career__slider{margin:3px 0;overflow:hidden}.wp .page-template-careers-rebrand .career__slider .slick-slider,.wp
.page-template-careers-rebrand .career__slider .slick-slider img{height:434px!important}.wp .page-template-
careers-rebrand .career__slider .slick-slider .slick-track{display:-ms-flexbox;display:flex}.wp .page-template-
careers-rebrand .career__slider .slick-slider .slick-slide{width:800px!important;-ms-flex:0 0 800px;flex:0 0
800px;margin:0 3px}.wp .page-template-careers-rebrand .career__inspiration{padding:100px 0;text-
align:center}.wp .page-template-careers-rebrand .career__inspiration .container{max-width:650px}.wp .page-
template-careers-rebrand .career__inspiration h2{font-size:48px;line-height:55px}.wp .page-template-careers-
rebrand .career__inspiration .btn{margin:0 auto;max-width:175px}.wp .page-template-careers-rebrand
.career__banner h3{color:#fff;font-size:24px;font-weight:700;line-height:28px;padding:30px 0}.wp .page-template-
careers-rebrand .career__banner h3 a{color:#fff}.wp .page-template-careers-rebrand .career__banner h3
a:hover{text-decoration:underline}.wp .page-template-careers-rebrand .career__banner
img{width:60px!important;height:45px}.wp .page-template-careers-rebrand .career__pillars{padding:135px 0
150px}.wp .page-template-careers-rebrand .career__pillars .row{display:-ms-flexbox;display:flex;-ms-flex-
pack:center;justify-content:center;-ms-flex-wrap:wrap;flex-wrap:wrap}@media screen and (min-width:992px){.wp
.page-template-careers-rebrand .career__pillars .row{-ms-flex-pack:justify;justify-content:space-between}}.wp
.page-template-careers-rebrand .career__pillars .career__pillar{margin-bottom:25px;text-
align:center;width:48%}@media screen and (min-width:992px){.wp .page-template-careers-rebrand .career__pillars
.career__pillar{margin-bottom:0;width:18%}}.wp .page-template-careers-rebrand .career__pillars img{margin-
bottom:25px;max-height:100px}.wp .page-template-careers-rebrand .career__pillars p{color:#fff;font-
weight:400;margin-bottom:0}.wp .page-template-careers-rebrand .career__pillars
svg{width:100px;height:100px;margin-bottom:20px}.wp .page-template-careers-rebrand .career__pillars svg
g{fill:#fff}.wp .page-template-careers-rebrand .careers_job_listings_section .filter-container{margin:20px
0;display:inline-block;min-width:300px}@media (min-width:768px){.wp .page-template-careers-rebrand
.careers_job_listings_section .filter-container:first-of-type{margin-right:15px}.wp .page-template-careers-rebrand
.careers_job_listings_section .filter-container:last-of-type{margin-left:15px}}.wp .page-template-careers-rebrand
.careers_job_listings_section .filter-container .select{border:1px solid
#ddd;background:#f3f4f8;display:block;color:#444;line-height:1.3;padding:8px 10px 8px 20px;font-size:18px;font-
weight:300;border-radius:4px;max-width:300px;width:100%;cursor:pointer;-moz-appearance:none;-webkit-
appearance:none;appearance:none;margin:0 auto}.wp .page-template-careers-rebrand .careers_job_listings_section
.filter-container .select:hover{border-color:#c4c4c4}.wp .page-template-careers-rebrand
.careers_job_listings_section .jobs-list{background:#fff;box-shadow:0 5px 27px 0 rgba(0,0,0,.05);border-
radius:4px;padding:30px}@media screen and (min-width:992px){.wp .page-template-careers-rebrand
.careers_job_listings_section .jobs-list{padding:60px}}@media (max-width:992px){.wp .page-template-careers-
rebrand .careers_job_listings_section .jobs-list .job{display:-ms-flexbox;display:flex;-ms-flex-
direction:column;flex-direction:column;padding:25px 0;box-shadow:0 4px 5px -6px #222;text-align:center}}.wp
.page-template-careers-rebrand .careers_job_listings_section .job{display:block;margin-bottom:20px;-ms-flex-
wrap:wrap;flex-wrap:wrap;overflow:inherit;text-align:center}.wp .page-template-careers-rebrand
.careers_job_listings_section .job .btn{max-width:175px;margin:0 auto}@media screen and (min-width:992px){.wp
.page-template-careers-rebrand .careers_job_listings_section .job{-ms-flex-align:center;align-items:center;display:-
ms-flexbox;display:flex;margin-bottom:5px;-ms-flex-pack:justify;justify-content:space-between;text-
align:inherit}.wp .page-template-careers-rebrand .careers_job_listings_section .job .btn{margin:0}}.wp .page-
template-careers-rebrand .careers_job_listings_section .job .left,.wp .page-template-careers-rebrand
.careers_job_listings_section .job .right{float:none}.wp .page-template-careers-rebrand .careers_job_listings_section
h2{text-align:center}@media screen and (min-width:992px){.wp .page-template-careers-rebrand
.careers_job_listings_section h2{font-size:48px;line-height:55px}}.wp .page-template-careers-rebrand

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.careers_job_listings_section h3,.wp .page-template-careers-rebrand .careers_job_listings_section h4{ font-
size:18px;line-height:24px }.wp .page-template-careers-rebrand .careers_job_listings_section
.commitment{ background:#173361;border-radius:8px;color:#fff;font-size:12px;font-weight:600;line-
height:14px;margin-right:15px;padding:5px 10px;text-transform:uppercase;vertical-align:middle } @media screen
and (max-width:991px){ .wp .page-template-careers-rebrand .careers_job_listings_section
.commitment{ display:block } }.wp .page-template-careers-rebrand .careers_job_listings_section span{ font-
size:18px;font-weight:300;line-height:21px }.wp .page-template-careers-rebrand .careers_job_listings_section
span.label{ padding-top:8px;text-align:left }.wp .page-template-careers-rebrand .careers_job_listings_section .filter-
wrapper,.wp .page-template-careers-rebrand .careers_job_listings_section .no-jobs{ text-align:center }.wp .page-
template-careers-rebrand .careers_job_listings_section .no-jobs{ font-size:18px }.wp .page-template-careers-rebrand
.careers_job_listings_section .filter-wrapper{ margin:50px 0 } @media screen and (max-width:991px){ .page-
template-certificate-page .certification-module--hero--1CWTC>div{ -ms-flex-direction:column;flex-
direction:column } } @media screen and (max-width:991px){ .page-template-certificate-page .certification-module--
hero--1CWTC .certification-module--imageContainer--33fsg{ display:block;margin-left:0;margin-top:60px } }.page-
template-certificate-page .certification-module--hero--1CWTC .certification-module--imageContainer--33fsg
img{ border:9px solid #81cfe2;cursor:pointer }.page-template-certificate-page .certification-module--
certificateOverviewSection--3aOWY{ padding:60px 0 50px }.page-template-certificate-page .certification-module--
certificateOverviewSection--3aOWY p{ max-width:800px;margin-left:auto;margin-right:auto;color:#4597cb;font-
size:25px;line-height:32px }.page-template-certificate-page .certification-module--certificateItemsSection--
1HUMO{ padding:0!important;text-align:center!important }.page-template-certificate-page .certification-module--
certificateItemsSection--1HUMO h3,.page-template-certificate-page .certification-module--certificateItemsSection--
1HUMO p{ color:#fff }.page-template-certificate-page .certification-module--certificateItemsSection--1HUMO
h3{ font-size:25px } @media screen and (min-width:992px){ .page-template-certificate-page .certification-module--
certificateItemsSection--1HUMO h3{ min-height:92px } }.page-template-certificate-page .certification-module--
bgColorBlue--2eJfR{ background-color:#4597cb }.page-template-certificate-page .certification-module--
bgColorOrange--270dL{ background-color:#173361 }.page-template-certificate-page .certification-module--
certItemUnorderedList--2khCH{ text-align:left;color:#fff;list-style-type:disc;margin-bottom:38px } @media screen
and (min-width:992px){ .page-template-certificate-page .certification-module--certItemUnorderedList--
2khCH{ display:-ms-flexbox!important;display:flex!important } }.page-template-certificate-page .certification-
module--items--2EvXj{ list-style:none;display:block;padding:0;margin:0;overflow:hidden } @media screen and (min-
width:768px){ .page-template-certificate-page .certification-module--items--2EvXj{ display:-ms-
flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap } }.page-template-certificate-page .certification-module--
certificateItem--jApeq{ padding:80px 20px!important } @media screen and (min-width:768px){ .page-template-
certificate-page .certification-module--certificateItem--jApeq{ width:50% } } @media screen and (min-
width:992px){ .page-template-certificate-page .certification-module--certificateItem--jApeq{ width:calc(33.33% -
10px)!important;margin:0 5px!important } }.page-template-certificate-page .certification-module--certificateItem--
jApeq .certification-module--item--11Jr8{ position:relative }.page-template-certificate-page .certification-module--
certificateItem--jApeq .certification-module--item--11Jr8 ul{ color:#fff;margin:20px 0;text-align:left }.page-
template-certificate-page .certification-module--media--37RII{ margin:0 }.page-template-certificate-page
.certification-module--midContent--2hN3i{ max-width:900px;margin-left:auto;margin-right:auto }.page-template-
certificate-page .certification-module--certificateFaqSection--1TWw0 h2{ color:#4597cb;font-size:48px;margin-
bottom:40px;line-height:56px }.page-template-certificate-page .certification-module--certificateFaqSection--1TWw0
h3{ color:#4597cb;font-size:28px;text-align:left;margin-bottom:10px }.page-template-certificate-page .certification-
module--certificateFaqSection--1TWw0 p{ max-width:800px }.page-template-certificate-page .certification-module--
faqsItems--y-uMZ{ list-style:none;padding:0;margin:0;text-align:left }.page-template-certificate-page .certification-
module--faqsItems--y-uMZ li{ margin-bottom:40px } @media screen and (min-width:992px){ .page-template-
certificate-page .certification-module--mediaContent---T5KW{ display:-ms-flexbox;display:flex;-ms-flex-
wrap:wrap;flex-wrap:wrap;-ms-flex-pack:center;justify-content:center;-ms-flex-align:center;align-items:center;min-

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height:308px;height:100%}}@media screen and (max-width:991px){.page-template-certificate-page .certification-module--mediaContent--T5KW{padding:0!important;text-align:center}}.page-template-certificate-page .certification-module--mediaContent--T5KW li{list-style-type:disc}.page-template-certificate-page .certification-module--mediaContent--T5KW h3{text-align:center}.page-template-certificate-page .certification-module--row--3abUE{-ms-flex-pack:justify;justify-content:space-between;margin-top:80px}@media screen and (min-width:768px){.page-template-certificate-page .certification-module--row--3abUE{display:-ms-flexbox;display:flex}}.page-template-certificate-page .certification-module--h3Border--SFaPi{font-size:16px!important;line-height:21px!important;text-transform:uppercase;text-align:center;position:relative;padding-top:0!important}.page-template-certificate-page .certification-module--h3Border--SFaPi:after{content:"";height:2px;width:40px;background:#257bd7;margin-top:5px;display:block;position:absolute;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%)}.page-template-certificate-page .certification-module--benefits--36TgD{margin-top:80px}.page-template-certificate-page .certification-module--benefit--2Qg0c{text-align:center}@media screen and (min-width:768px){.page-template-certificate-page .certification-module--benefit--2Qg0c{-ms-flex:0 1 16%;flex:0 1 16%}}.page-template-certificate-page .certification-module--benefit--2Qg0c img{max-width:50px;max-height:45px}.page-template-certificate-page .certification-module--benefit--2Qg0c .certification-module--benefitText--2rIS_{font-size:16px;margin-top:20px}.page-template-certificate-page .certification-module--ctaContainer--1hwZR{display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;margin-top:20px}.page-template-certificate-page .certification-module--ctaContainer--1hwZR .certification-module--button--3wfFd+.certification-module--button--3wfFd{margin-top:20px}.wp .page-community-code-of-conduct .coc-header{color:#101040!important;padding:30px 18px}.wp .page-community-code-of-conduct p{font-size:16px;line-height:30px;max-width:750px}.wp .page-community-code-of-conduct h1,.wp .page-community-code-of-conduct h2,.wp .page-community-code-of-conduct h4,.wp .page-community-code-of-conduct p{color:#101040}.wp .page-community-code-of-conduct h4{font-size:14px;position:relative;text-transform:uppercase}.wp .page-community-code-of-conduct h4:after{content:"";height:2px;width:40px;background:#257bd7;bottom:10px;left:0;position:absolute}.wp .page-community-code-of-conduct h1,.wp .page-community-code-of-conduct h2{font-size:36px;font-weight:400;line-height:48px;padding-top:30px}.wp .page-community-code-of-conduct a{color:#4197cb}.wp .page-community-code-of-conduct .coc-header-img img{width:100%;padding:0 80px;margin:0 auto;display:block;max-width:400px}.wp .page-community-code-of-conduct .coc-list{background:#f2f3f6;padding:30px 0}.wp .page-community-code-of-conduct .coc-body h4,.wp .page-community-code-of-conduct .coc-body p{max-width:750px}.wp .page-community-code-of-conduct .coc-content{padding:30px 18px}.wp .page-community-code-of-conduct .coc-content h4{margin-bottom:30px}@media screen and (min-width:1000px){.wp .page-community-code-of-conduct h1,.wp .page-community-code-of-conduct h2{font-size:48px;line-height:55px;padding-top:40px}.wp .page-community-code-of-conduct .coc-header{-ms-flex-align:center;align-items:center;display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;padding:60px 18px}.wp .page-community-code-of-conduct .coc-header-content,.wp .page-community-code-of-conduct .coc-header-img{width:50%}.wp .page-community-code-of-conduct .coc-header-img img{padding:80px;margin:0;max-width:100%}.wp .page-community-code-of-conduct .coc-header p{max-width:425px}}@media screen and (min-width:1000px){.wp .page-community-code-of-conduct .coc-list{padding:60px 0}}@media screen and (min-width:100px){.wp .page-community-code-of-conduct .coc-content{padding:60px 18px}}.wp .page-confluent-community-license-faq table{margin:20px 0;width:100%}.wp .page-confluent-community-license-faq table td,.wp .page-confluent-community-license-faq table th{padding:10px;vertical-align:top;border:1px solid #000}.wp .page-confluent-community-license-faq table th{color:#c5832e;text-transform:uppercase}.wp .page-confluent-community-license-faq table td{width:50%}.wp .page-confluent-community-license-faq table tr.head td{background-color:#b4e1e4!important;color:#0074a2;text-transform:uppercase}.wp .page-confluent-community-license-faq table tbody tr:nth-child(2n) td{background-color:#e6f5fb}.wp .confluent-verified-integration-faqs-module--page--BYndC span{font-weight:400}.wp .confluent-verified-integration-faqs-module--page--BYndC .confluent-verified-

integration-faqs-module--faq--2vNyy{border-top:1px solid #eee;padding-top:40px}.wp .confluent-verified-integration-faqs-module--page--BYndC .confluent-verified-integration-faqs-module--faq--2vNyy ul li li{margin-bottom:0}.cookies-module--container--30krb h3{text-align:center}.cookies-module--container--30krb .cookies-module--cookiesTable--E-5QH{font-size:18px;border:1px solid #ccc;border-collapse:collapse;margin:0;padding:0;width:100%;table-layout:fixed}.cookies-module--container--30krb .cookies-module--cookiesTable--E-5QH tr:nth-child(2n){background-color:#ecec;ecec;border:1px solid #ddd;padding:.35em}.cookies-module--container--30krb .cookies-module--cookiesTable--E-5QH tr:nth-child(odd){background-color:#dcd8d8;border:1px solid #ddd;padding:2em}.cookies-module--container--30krb .cookies-module--cookiesTable--E-5QH tr:nth-child(2n) td,.cookies-module--container--30krb .cookies-module--cookiesTable--E-5QH tr:nth-child(odd) td{border-right:1px solid #ddd;padding:10px;vertical-align:unset}.cookies-module--container--30krb .cookies-module--cookiesTable--E-5QH tr:first-child{background-color:#777373;border:1px solid #ddd;padding:.35em}.cookies-module--container--30krb .cookies-module--cookiesTable--E-5QH tr:first-child td{border-right:1px solid #ddd;padding:10px;color:#fff}.cookies-module--container--30krb .cookies-module--cookiesTable--E-5QH td:nth-of-type(3n) ul{margin-top:15px}.wp .page-template-industry-solutions-page .main_banner{background:#b4e1e4}.wp .page-template-industry-solutions-page .main_banner p{font-weight:400;font-size:26px;max-width:800px;margin-left:auto;margin-right:auto;margin-top:20px;line-height:36px}.wp .page-template-industry-solutions-page .main_banner .white_outline_button{background-color:#ff671f;border:2px solid #ff671f;padding:10px 50px}.wp .page-template-industry-solutions-page .featured_use_cases_section h2{font-size:32px;font-weight:500}.wp .page-template-industry-solutions-page .featured_use_cases_section .uc_item{margin-top:20px}.wp .page-template-industry-solutions-page .featured_use_cases_section .uc_item .uc_inner{background-color:#fff;text-align:left;padding:20px 35px;font-size:16px}.wp .page-template-industry-solutions-page .featured_use_cases_section .uc_item .uc_inner h3{font-size:22px;font-weight:700;color:#4596ca}.wp .page-template-industry-solutions-page .cta_section{padding:80px 0 90px;text-align:center;background-color:#f0f0f0}.wp .page-template-industry-solutions-page .cta_section h2{font-size:48px;line-height:1.08;color:#2a323c}.wp .page-template-industry-solutions-page .cta_section p{font-size:26px;line-height:1.23;color:#111820!important;margin-bottom:0;padding-bottom:0}.wp .page-template-industry-solutions-page .industry_solution_section h2{font-size:32px;font-weight:500}.wp .page-template-industry-solutions-page .solution_categories{margin-top:20px}.wp .page-template-industry-solutions-page .solution_categories .solution_category{height:300px;background:#173361}.wp .page-template-industry-solutions-page .solution_categories .solution_category:nth-child(2n){background:#0074a2}.wp .page-template-industry-solutions-page .solution_categories .solution_category.cbp-singlePageInline-active{opacity:1!important;overflow:visible}.wp .page-template-industry-solutions-page .solution_categories .solution_category.cbp-singlePageInline-active .cbp-item-wrapper{z-index:2}.wp .page-template-industry-solutions-page .solution_categories .solution_category.cbp-singlePageInline-active:after{content:"";display:block;position:absolute;left:50%;bottom:-30px;margin-left:-50px;border:50px solid transparent;border-bottom-color:#eff2f5;z-index:1}.wp .page-template-industry-solutions-page .solution_categories .solution_category img{display:block;margin:0 auto 38px;width:auto}.wp .page-template-industry-solutions-page .solution_categories .solution_category .cbp-l-caption-title{font-size:26px;font-weight:700}.wp .page-template-industry-solutions-page .solution_categories .solution_category .cbp-l-caption-desc{margin-top:35px}.wp .page-template-industry-solutions-page .solution_categories .solution_category .white_button{color:#4596ca;transition:inherit;background-color:#fff;border-radius:2px;font-size:16px;line-height:24px;padding:6px 25px;display:inline-block;font-weight:700}.wp .page-template-industry-solutions-page .solution_categories .solution_category_info{background-color:#eff2f5;padding:30px 35px}.wp .page-template-industry-solutions-page .solution_categories .solution_category_info .desc h4{color:#4596ca;font-size:22px;line-height:normal;font-weight:700}.wp .page-template-industry-solutions-page .solution_categories .solution_category_info .solution_item{margin-top:20px}.wp .page-template-industry-solutions-page .solution_categories .solution_category_info .solution_item .solution_item_inner{background-color:#fff;padding:25px 25px 50px;position:relative;height:100%}.wp .page-template-industry-solutions-page .solution_categories .solution_category_info .solution_item h4{font-

size:18px;font-weight:700;line-height:normal;padding:0;margin-bottom:20px }.wp .page-template-industry-
 solutions-page .solution_categories .solution_category_info .solution_item
 .morelink{ position:absolute;bottom:20px;left:25px }.wp .page-template-industry-solutions-page .solution_categories
 .cbp-popup-singlePageInline{ margin-bottom:60px }.wp .page-template-industry-solutions-page .solution_categories
 .cbp-popup-singlePageInline .cbp-popup-content{ margin-bottom:30px }.wp .page-template-industry-solutions-page
 .solution_categories .cbp-popup-singlePageInline .cbp-popup-navigation{ display:none }.wp .page-template-industry-
 solutions-page .desc h5{ font-size:18px;font-weight:700 }.wp .page-template-industry-solutions-page .desc
 ul{ padding:0;list-style:none }.wp .page-template-industry-solutions-page .desc ul li{ padding-left:20px;background-
 image:url(https://cdn.confluent.io/wp-content/themes/confluent/assets/images/li-style.png);background-repeat:no-
 repeat;background-position:left 10px } @media screen and (min-width:768px){ .wp .page-template-industry-
 solutions-page .additional-resources-row{ display:-ms-flexbox;display:flex }.modern-slavery-policy-module--page--
 s-_47{ text-align:left!important }.modern-slavery-policy-module--page--s-_47 h2{ color:#333;font-size:30px;font-
 weight:400;line-height:36px;margin:0;padding:10px 0;text-align:center }.modern-slavery-policy-module--page--s-
 _47 h3{ font-size:20px }.modern-slavery-policy-module--page--s-_47 ol{ font-weight:300;line-
 height:1.78;color:#4a4a4a;font-size:18px }.wp .page-nominate .nomination .h3-
 border:after{ content:"";height:2px;width:40px;background:#257bd7;margin-
 top:5px;display:block;position:relative } @media screen and (max-width:1000px){ .wp .page-nominate .nomination
 .h3-border{ text-align:center }.wp .page-nominate .nomination .h3-border:after{ margin:5px auto 0 }.wp .page-
 nominate .nomination img{ margin:0 }.wp .page-nominate .nomination .row{ display:-ms-
 flexbox;display:flex } @media screen and (max-width:1000px){ .wp .page-nominate .nomination .row{ margin-
 left:0;margin-right:0 }.wp .page-nominate .nomination h1,.wp .page-nominate .nomination h2{ font-size:45px;line-
 height:61px;max-width:900px }.wp .page-nominate .nomination h3{ font-size:16px!important;line-
 height:21px!important;text-transform:uppercase }.wp .page-nominate .nomination__hero{ padding-
 top:100px;background:#257bd7 } @media screen and (max-width:1000px){ .wp .page-nominate .nomination__hero
 .row{ display:block }.wp .page-nominate .nomination__hero h1,.wp .page-nominate .nomination__hero h2,.wp
 .page-nominate .nomination__hero h3,.wp .page-nominate .nomination__hero p{ color:#fff } @media screen and
 (max-width:1000px){ .wp .page-nominate .nomination__hero h1,.wp .page-nominate .nomination__hero h2,.wp
 .page-nominate .nomination__hero h3,.wp .page-nominate .nomination__hero p{ text-align:center }.wp .page-
 nominate .nomination__hero p{ font-size:18px;line-height:27px;max-width:600px } @media screen and (max-
 width:1000px){ .wp .page-nominate .nomination__hero p{ margin:0 auto }.wp .page-nominate .nomination__hero
 h3{ color:#d8d8d8 }.wp .page-nominate .nomination__hero .row{ position:relative } @media screen and (min-
 width:1000px){ .wp .page-nominate .nomination__hero .row{ display:-ms-flexbox;display:flex } } @media screen and
 (min-width:1000px){ .wp .page-nominate .nomination__hero .half:first-child{ width:60%;padding-
 bottom:200px } } .wp .page-nominate .nomination__hero .half:last-child{ margin:0 auto;width:50% } @media screen
 and (min-width:1000px){ .wp .page-nominate .nomination__hero .half:last-
 child{ position:absolute;right:0;bottom:0 } } .wp .page-nominate
 .nomination__pillars{ background:#eeff4;padding:60px 0 }.wp .page-nominate .nomination__pillars .row{-ms-flex-
 wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between }.wp .page-nominate
 .nomination__pillars h3{ margin-bottom:45px }.wp .page-nominate .nomination__pillars .nomination__pillar{ text-
 align:center;width:100% }.wp .page-nominate .nomination__pillars .nomination__pillar p{ font-size:16px }.wp .page-
 nominate .nomination__pillars .nomination__pillar img{ max-width:90px } @media screen and (min-width:550px)
 and (max-width:999px){ .wp .page-nominate .nomination__pillars .nomination__pillar{ width:50% } } @media screen
 and (min-width:1000px){ .wp .page-nominate .nomination__pillars .nomination__pillar{ width:15% } } .wp .page-
 nominate .nomination__pillars p{ font-size:18px;line-height:27px;margin-top:20px }.wp .page-nominate
 .nomination__content{ background-repeat:repeat-x;background-position:bottom;background-
 image:url(https://cdn.confluent.io/images/nominations/buildings-bg.png);margin-top:100px } @media screen and
 (min-width:1200px){ .wp .page-nominate .nomination__content{ background-position:50% } } .wp .page-nominate
 .nomination__content img{ max-width:100%;width:auto }.wp .page-nominate .nomination__content p{ font-

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size:16px}.wp .page-nominate .nomination__content .row{position:relative;-ms-flex-wrap:wrap;flex-wrap:wrap;text-align:center}@media screen and (min-width:1000px){.wp .page-nominate .nomination__content .row{text-align:left}}@media screen and (min-width:1000px){.wp .page-nominate .nomination__content .row:last-child{margin-top:100px}}.wp .page-nominate .nomination__content .row:last-child .half:first-child{padding-left:0}@media screen and (min-width:1000px){.wp .page-nominate .nomination__content .row:last-child .half:first-child{margin-top:-75px}}.wp .page-nominate .nomination__content .image--right{display:none;margin-top:40px;float:right}@media screen and (min-width:1000px){.wp .page-nominate .nomination__content .image--right{display:block}}.wp .page-nominate .nomination__content .container{background-size:cover;background-position:bottom;background-repeat:no-repeat;padding-bottom:50px;padding-top:100px}.wp .page-nominate .nomination__content .container .half{width:100%}@media screen and (min-width:1000px){.wp .page-nominate .nomination__content .container .half{width:46%}}.wp .page-nominate .nomination__content .container .half:first-child{padding-left:30px}.wp .page-nominate .nomination__content .container .half:last-child{padding-right:30px;margin-left:8%}}.wp .page-nominate .nomination__form{background:#2a2e71;overflow:hidden;position:relative}@media screen and (min-width:1000px){.wp .page-nominate .nomination__form{padding-bottom:150px}}.wp .page-nominate .nomination__form:before{background-image:url(https://cdn.confluent.io/images/nominations/blue-buildings.png);display:block;height:70%;width:685px;position:absolute;background-size:cover;z-index:1;left:65%;background-repeat:no-repeat;bottom:250px}@media screen and (min-width:1000px){.wp .page-nominate .nomination__form:before{content:""}}.wp .page-nominate .nomination__form .container{padding:100px 0 50px}.wp .page-nominate .nomination__form .container>div:first-child{width:100%}@media screen and (min-width:1000px){.wp .page-nominate .nomination__form .container>div:first-child{width:60%}}.wp .page-nominate .nomination__form h2{padding-left:10px}.wp .page-nominate .nomination__form h2,.wp .page-nominate .nomination__form h3,.wp .page-nominate .nomination__form h4,.wp .page-nominate .nomination__form p{color:#fff}.wp .page-nominate .nomination__form p{font-size:18px;line-height:27px}.wp .page-nominate .nomination__form label.error{color:red;position:absolute;top:0;margin:0;right:0;width:auto}.wp .page-nominate .nomination__form-row{position:relative}.wp .page-nominate .nomination__form-row input,.wp .page-nominate .nomination__form-row label,.wp .page-nominate .nomination__form-row textarea{color:#afb0b3;display:block;width:100%}.wp .page-nominate .nomination__form-row label{letter-spacing:1px;margin:20px 0 10px;text-transform:uppercase}.wp .page-nominate .nomination__form-row textarea{min-height:250px;padding:15px}.wp .page-nominate .nomination__form-row input,.wp .page-nominate .nomination__form-row textarea{background:transparent;border:1px solid #afb0b3}.wp .page-nominate .nomination__form-row input[type=email],.wp .page-nominate .nomination__form-row input[type=text],.wp .page-nominate .nomination__form-row textarea[type=email],.wp .page-nominate .nomination__form-row textarea[type=text]{padding:17px}.wp .page-nominate .nomination__form-row--radio input,.wp .page-nominate .nomination__form-row--radio label{display:inline;width:auto}.wp .page-nominate .nomination__form-row--radio p{margin-top:15px;opacity:0;transition:opacity .6s}.wp .page-nominate .nomination__form-row--radio input{margin-right:6px}.wp .page-nominate .nomination__form-row--radio label{margin-right:20px}.wp .page-nominate .nomination__form-row--radio .isOver18{display:block}.wp .page-nominate .nomination__form-row--control button{background:#257bd7;border-radius:50px;border:none;color:#fff;font-size:24px;line-height:28px;margin-right:10px;margin-top:30px;min-width:260px;outline:none;padding:15px 20px;text-align:center;-ms-transform:scale(1);transform:scale(1);transition:all .4s ease}.wp .page-nominate .nomination__form-row--control button:hover{-ms-transform:scale(1.025);transform:scale(1.025);background:#1e62ab}.wp .page-nominate .nomination__form-row--control button.nomination__button--prev{background:none;border:1px solid #257bd7;color:#257bd7}@media screen and (max-width:600px){.wp .page-nominate .nomination__form-row--control{text-align:center}.wp .page-nominate .nomination__form-row--control button{display:block;font-size:18px;margin:15px auto;max-width:60%}}.wp .page-nominate .nomination__form .swiper-pagination{bottom:0;left:50%;padding:14px 0;position:relative;-ms-transform:translateX(-50%);transform:translateX(-50%)}@media screen and (min-

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width:1000px){.wp .page-nominate .nomination__form .swiper-pagination{bottom:10px;position:absolute}}.wp
.page-nominate .nomination__form .swiper-pagination-bullet{background:#d8d8d8;height:12px;margin:0
3px;opacity:1;width:12px}.wp .page-nominate .nomination__form .swiper-pagination-bullet-
active{background:#257bd7}.wp .page-nominate .nomination__form .swiper-slide{padding:10px}.wp .page-
nominate .nomination__form .swiper-slide fieldset{display:none}.wp .page-nominate .nomination__form .swiper-
slide:first-child fieldset{display:block}.wp .page-nominate .nomination__form .container{position:relative}.wp
.page-nominate .nomination__form img{bottom:-30px;right:-50%;max-width:450px;position:relative;-ms-
transform:translateX(-50%);transform:translateX(-50%);z-index:2}@media screen and (min-width:1000px){.wp
.page-nominate .nomination__form img{bottom:0;position:absolute;right:0;-ms-
transform:translateX(0);transform:translateX(0)}}.wp .page-nominate .nomination__form .thank-
you{display:none;padding:0 10px}@media screen and (min-width:1000px){.wp .page-nominate .nomination__form
.thank-you{margin-bottom:300px}}.wp .page-nominate .nomination .nomination-content{background-
color:#d61c50;padding:15px;color:#fff;text-align:center}.wp .page-nominate .nomination .nomination-
paragraph{margin:0 auto;color:#fff;font-size:16px;letter-spacing:.2px;width:70%;font-weight:400}@media screen
and (max-width:768px){.wp .page-nominate .nomination .nomination-paragraph{font-size:14px;width:90%}}.wp
.page-nominate .nomination .nomination__people{margin:20px 0}.wp .page-nominate .nomination
.nomination__people h2{max-width:none;text-align:center;margin:0;padding:0}.wp .page-nominate .nomination
.nomination__people img{border-radius:50%;width:112px;height:112px;border:1px solid #fff;-o-object-
fit:cover;object-fit:cover}.wp .page-nominate .nomination .nomination__people img.avatar{border-color:#ccc}.wp
.page-nominate .nomination .nomination__people .country-flag{width:25px;height:auto;-o-object-fit:contain;object-
fit:contain}.wp .page-nominate .nomination .nomination__people .container{display:-ms-flexbox;display:flex;-ms-
flex-wrap:wrap;flex-wrap:wrap}.wp .page-nominate .nomination .nomination__people .container>div{text-
align:center;width:20%;margin:25px 0}.wp .page-nominate .nomination .nomination__people .container>div:nth-
child(5n){margin-right:0}.wp .page-nominate .nomination .nomination__people .name{margin-top:5px}@media
screen and (max-width:920px){.wp .page-nominate .nomination .nomination__people .container{-ms-flex-
pack:center;justify-content:center}.wp .page-nominate .nomination .nomination__people .container>div{text-
align:center;width:30%}}@media screen and (max-width:540px){.wp .page-nominate .nomination
.nomination__people .container>div{text-align:center;width:40%}}@media screen and (max-width:360px){.wp
.page-nominate .nomination .nomination__people .container>div{text-align:center;width:100%}}.wp .previous-
versions-module--container---YDGX td{height:auto}.sub-processors-module--page--2onUo table{border:1px solid
#ccc;border-collapse:collapse;margin:0;padding:0;width:100%;table-layout:fixed;height:250px}.sub-processors-
module--page--2onUo table thead tr{background-color:#dcd8d8;border:1px solid #ddd;padding:.35em}.sub-
processors-module--page--2onUo table tbody tr{border:1px solid #ddd;padding:.35em}.sub-processors-module--
page--2onUo table td{border-right:1px solid #ddd;padding:10px;height:24px;width:33.2969%}.wp .page-template-
subscription .subscription-confluent-platform{margin-bottom:40px}.wp .page-template-subscription .sublist{font-
family:MarkOT,sans-serif!important;font-size:16px!important;font-weight:300!important;line-
height:24px!important;color:#4a4a4a!important}.wp .page-template-subscription .content-container{margin-
left:40px}.style-module--container--2SjuF ul li{font-weight:300;line-height:1.78;color:#4a4a4a;font-
size:18px}.style-module--container--2SjuF ul ul{margin:0}.wp .page-why-confluent .full-bleed-
banner{background-image:url(https://cdn.confluent.io/wp-content/uploads/hero-image.png);background-
size:cover;background-position:50%;padding:60px 0;text-align:center}@media only screen and (min-
width:480px){.wp .page-why-confluent .full-bleed-banner{padding:90px 0}}@media only screen and (min-
width:540px){.wp .page-why-confluent .full-bleed-banner{padding:120px 0}}@media only screen and (min-
width:768px){.wp .page-why-confluent .full-bleed-banner{padding:250px 0}}.wp .page-why-confluent .full-bleed-
banner__subtitle{color:#fff;font-size:18px;line-height:24px;font-weight:400;text-transform:uppercase}.wp .page-
why-confluent .full-bleed-banner h1{color:#fff;font-size:60px;line-height:80px;font-weight:700}.wp .page-why-
confluent .full-bleed-banner__buttons{position:relative;margin:12px auto 0}@media only screen and (min-
width:768px){.wp .page-why-confluent .full-bleed-banner__buttons{-ms-flex-align:start;align-items:flex-

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start;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center} }.wp .page-why-confluent .full-
bleed-banner__buttons a{ border-radius:8px;font-size:14px;display:block;line-height:14px;margin:0 auto
18px;opacity:1;padding:18px 42px;text-transform:uppercase;transition:opacity .3s ease;width:-webkit-max-
content;width:-moz-max-content;width:max-content} @media only screen and (min-width:768px){.wp .page-why-
confluent .full-bleed-banner__buttons a{display:inline-block;margin:0} }.wp .page-why-confluent .full-bleed-
banner__buttons a:hover{opacity:.75} @media only screen and (min-width:768px){.wp .page-why-confluent .full-
bleed-banner__buttons a+a{margin-left:18px} }.wp .page-why-confluent .full-bleed-banner__buttons a:first-
child{background-color:#fff;color:#637fed}.wp .page-why-confluent .full-bleed-banner__buttons a:last-
child{border:1px solid #fff;background-color:transparent;color:#fff;margin-bottom:0}.wp .page-why-confluent
.schema-registry{overflow-x:hidden}.page-template-customers .bg-grey{display:block;z-index:1;opacity:1}.page-
template-customers .swiper-wrapper{height:auto!important}.page-template-customers .featured-
stories{background-image:linear-gradient(180deg,hsla(0,0%,100%,0),rgba(70,152,203,.08))}.page-template-
customers .featured-stories.bg-grey,.page-template-customers .featured-stories.bg-white{background-
image:none!important}.page-template-customers .featured-stories.bg-grey{background-
color:#fafafa!important}.page-template-customers .featured-stories__stories{margin-top:48px} @media screen and
(min-width:768px){.page-template-customers .featured-stories__stories{display:-ms-flexbox;display:flex;-ms-flex-
pack:center;justify-content:center;-ms-flex-wrap:wrap;flex-wrap:wrap} }.page-template-customers .featured-
stories__story{background-color:#fff;border:1px solid #ddd;border-radius:10px;display:block;margin-
bottom:30px;padding:30px;position:relative;text-align:left} @media screen and (min-width:768px){.page-template-
customers .featured-stories__story{margin:1%;width:48%}} @media screen and (min-width:992px){.page-template-
customers .featured-stories__story{width:31%}}.page-template-customers .featured-stories__story [data-mh=story-
image]{-ms-flex-align:center;align-items:center;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-
content:center;margin-bottom:12px}.page-template-customers .featured-stories__story [data-mh=story-image]
img{margin:0}.page-template-customers .featured-stories__story h3{color:#4a4a4a;font-size:24px;font-
weight:700;letter-spacing:.7px;line-height:30px;margin-bottom:12px}.page-template-customers .featured-
stories__story h3 a{color:#4597cb;margin-top:0}.page-template-customers .featured-stories__story h3 a:hover{text-
decoration:none}.page-template-customers .featured-stories__story p{color:#8b8d90;font-size:16px;font-
weight:400;line-height:28px;margin-bottom:0}.page-template-customers .featured-stories__story
a{display:block;margin-top:24px}.page-template-customers .featured-stories__story a img{margin-left:0}.page-
template-customers .featured-stories__story .icon-container{display:inline-block;vertical-align:middle;margin-
right:10px}.page-template-customers .featured-stories__bubbles{margin-top:30px} @media screen and (min-
width:768px){.page-template-customers .featured-stories__bubbles{-ms-flex-align:center;align-
items:center;display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:center;justify-
content:center} }.page-template-customers .featured-stories__bubble{-ms-flex-align:center;align-
items:center;background:#fff;border-radius:50%;display:-ms-flexbox;display:flex;height:160px;margin:0 auto
30px;padding:18px;position:relative;width:160px} @media screen and (min-width:768px){.page-template-
customers .featured-stories__bubble{margin:0 12px 30px}}.page-template-customers .featured-stories__bubble
div{-ms-flex-align:center;align-items:center;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-
content:center;position:relative;text-align:center;width:100%}.page-template-customers .featured-stories__bubble
img{margin:0}.page-template-customers .featured-stories__bubble span{display:block!important}.page-template-
customers .image-text-carousel{background-image:linear-
gradient(180deg,hsla(0,0%,100%,0),rgba(70,152,203,.08))}.page-template-customers .image-text-carousel.bg-
grey,.page-template-customers .image-text-carousel.bg-white{background-image:none!important}.page-template-
customers .image-text-carousel.bg-grey{background-color:#fafafa!important}.page-template-customers .image-text-
carousel .container{position:relative}.page-template-customers .image-text-carousel .swiper-container .swiper-
slide__content{margin:0 auto;padding:0 60px;position:relative;text-align:left}.page-template-customers .image-
text-carousel .swiper-container .swiper-slide__content>div:first-child{margin-bottom:24px} @media screen and
(min-width:768px){.page-template-customers .image-text-carousel .swiper-container .swiper-

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slide__content{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between}.page-
template-customers .image-text-carousel .swiper-container .swiper-slide__content>div:first-child{margin-
bottom:0;padding:0 30px;width:40%}.page-template-customers .image-text-carousel .swiper-container .swiper-
slide__content>div:last-child{width:60%}.page-template-customers .image-text-carousel .swiper-container
.swiper-slide__content img{margin:0;padding:0}.page-template-customers .image-text-carousel .swiper-container
.swiper-slide__content h3{color:#4a4a4a;font-size:24px;font-weight:700;line-height:38px;margin-top:0;padding-
top:0}.page-template-customers .image-text-carousel .swiper-container .swiper-slide__content
p{color:#4a4a4a;font-size:16px;line-height:32px}.page-template-customers .image-text-carousel .swiper-button-
next,.page-template-customers .image-text-carousel .swiper-button-prev{background-image:none;border-
bottom:4px solid #8b8d90;border-left:4px solid #8b8d90;height:30px;width:30px;-ms-
transform:rotate(45deg);transform:rotate(45deg)}.page-template-customers .image-text-carousel .swiper-button-
next{-ms-transform:rotate(-135deg);transform:rotate(-135deg)}.page-template-customers .image-text-carousel
.swiper-pagination{margin-top:30px;position:relative}.page-template-customers .image-text-carousel .swiper-
pagination .swiper-pagination-bullet{background-color:transparent;border:1px solid #8b8d90;height:9px;margin:0
9px;opacity:1;width:9px}.page-template-customers .image-text-carousel .swiper-pagination .swiper-pagination-
bullet-active{background-color:#8b8d90}.page-template-customers .section.hero_overview.hero-
section{padding:90px 0 30px !important}@media screen and (max-width:800px){.page-template-customers
.section.hero_overview.hero-section{padding:60px 0 30px !important}}.page-template-customers .cc-featured-table-
header{padding:30px 0;position:relative}.page-template-customers .cc-featured-table-
header:before{content:"";display:block;width:100%;height:1px;border-top:1px solid
#dce0e4;position:absolute;left:0;bottom:0}.page-template-customers .license-table{background:#fff;padding:0 0
90px;position:relative}.page-template-customers .license-table p{font-size:16px}.page-template-customers .license-
table h4{color:#8e9093;font-size:18px;font-weight:600;line-height:28px;padding:0}.page-template-customers
.license-table hr{margin-top:20px}.page-template-customers .license-table ul{margin-bottom:30px}.page-template-
customers .license-table ul ul{margin-top:18px;padding-left:24px}.page-template-customers .license-table
li{color:#8e9093;margin-bottom:20px;font-weight:300}.page-template-customers .license-table .row{box-
shadow:none;display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-
content:space-between}.page-template-customers .half{padding:30px}.page-template-customers .half #download-
cloud-half-button{background-color:rgba(74,148,214,.85);background-image:radial-gradient(ellipse farthest-corner
at -40% 260%,#4a94d6 0,rgba(49,109,194,0) 80%,#4e95d3 0),linear-
gradient(258deg,rgba(87,238,255,.1),rgba(77,108,211,0));border-radius:50px;box-
shadow:none;color:#fff;display:inline-block;min-width:360px;padding:16px 20px 16px 65px;position:relative;text-
align:left;text-decoration:none}.page-template-customers .half #download-cloud-half-
button:before{content:"";background-repeat:no-repeat;background-
size:contain;width:40px;height:40px;position:absolute;left:20px;top:28px;transition:all .1s ease-in}.page-template-
customers .tabs-stage{padding-bottom:60px;box-shadow:0 0 30px 0 rgba(57,84,109,.14)}.page-template-customers
.license-table.test-2 .row{border:none;box-shadow:none;padding:0}.page-template-customers .license-table .layout-
break{margin:-35px 0 35px;font-size:36px;line-height:46px}.page-template-customers .line-dot-
right:before{width:calc(100% - 60px)}.page-template-customers .line-dot-right:after{right:50px}.page-template-
customers .test-2 .container h2+div>h3{color:#8e9093;font-size:16px;font-weight:300;letter-spacing:2px;line-
height:2;text-transform:uppercase}@media screen and (min-width:800px){.page-template-customers
.half{width:49.9%}.page-template-customers .license-table .row{-ms-flex-wrap:nowrap;flex-wrap:nowrap}}.page-
template-customers .skinny{padding-top:90px}.page-template-customers .skinny h2{color:#8e9093;font-
size:32px;line-height:52px;font-weight:300}.page-template-customers .skinny p{color:#4698cb;font-
size:16px}.page-template-customers .skinny img{opacity:.1;margin:0 0 10px}.page-template-customers .featured-
table+.featured-table{margin-top:90px}.page-template-customers .featured-table table{width:100%}.page-template-
customers .featured-table h3{color:#4a4a4a;font-size:24px;line-height:38px;letter-spacing:.7px;text-
transform:none}.page-template-customers .featured-table h3+ul{color:#8e9093;font-weight:300;list-

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style:none;padding:0}.page-template-customers .featured-table h3+ul li{padding:0 0 6px!important}.page-template-
customers .featured-table .gs-tooltip,.page-template-customers .featured-table h4{padding:17px}.page-template-
customers .gs-tooltip>p,.page-template-customers td>p{color:#4a4a4a}@media screen and (max-
width:800px){.page-template-customers .gs-tooltip>p,.page-template-customers td>p{font-
size:12px!important}.page-template-customers .table-dot{background:#4698cb;border-
radius:30px;height:15px;margin:0 auto;text-align:center;width:15px}.page-template-customers .featured-table
h4{font-size:12px;line-height:32px;letter-spacing:2px;text-transform:uppercase;color:#8e9093}.page-template-
customers .thead-no-background h3{font-weight:600;margin:0;padding-top:60px}@media screen and (max-
width:800px){.page-template-customers .thead-no-background h3{font-size:18px!important}}@media screen and
(max-width:800px){.page-template-customers .thead-no-background h4{font-size:10px!important;padding:10px
0}}.page-template-customers .featured-table .tr-heading{background:#fafafa}.page-template-customers .no-
border{border:none!important}.page-template-customers .featured-table table+table tbody tr{border-bottom:1px
solid rgba(0,0,0,.1)}.page-template-customers .featured-table table tbody td:first-child{width:50%}.page-template-
customers section.three-col-media-blocks{text-align:left;padding:0}.page-template-customers section.three-col-
media-blocks section.three-col-media-blocks img{opacity:.3}.page-template-customers section.three-col-media-
blocks p{margin:10px 0 20px}.page-template-customers section.three-col-media-blocks a{font-size:18px}.page-
template-customers section.three-col-media-blocks li div:first-child{display:block}.page-template-customers
section.three-col-media-blocks li div img{margin:0;max-width:120px}.page-template-customers .cta-links-
section{padding-top:0}.page-template-customers .cta-links-section h4{font-weight:500}.page-template-customers
.cta-links-section__title{color:#8e9093;font-size:12px;letter-spacing:3px;text-transform:uppercase}@media screen
and (max-width:800px){.page-template-customers .cta-links-section .col-12{margin-bottom:30px}}.page-template-
customers .three-col-media-blocks .intro-title{max-width:100%}.page-template-customers .three-col-media-blocks
.intro-title h2{margin:25px 0;padding-bottom:45px;position:relative;text-align:left;width:100%}.page-template-
customers .three-col-media-blocks .intro-title h2:before{content:"";display:block;width:calc(100% -
10px);height:1px;border:2.5px solid #dce0e4;position:absolute;left:0;bottom:0;border-radius:5px}.page-template-
customers .three-col-media-blocks .intro-title h2:after{content:"";display:block;width:1px;height:1px;border:2.5px
solid #dce0e4;position:absolute;right:0;bottom:0;border-radius:5px}.page-template-customers .download_white
h5{color:#4597cb!important}.page-template-customers #download_cp_cc__cloud tr td .gs-tooltip{text-
align:center}.page-template-customers #download_cp_cc__cloud tr td:first-child .gs-tooltip{text-align:left}.page-
template-customers #download_cp_cc__cloud .featured-table table tbody tr{border-bottom:1px dashed
#d3d0d0}.page-template-customers #download_cp_cc__cloud .featured-table table tbody td:first-
child{width:30%}.page-template-customers #download_cp_cc__cloud .featured-table table td
.rounded_button,.page-template-customers #download_cp_cc__cloud .featured-table table td
button{background:#4597cb;border-radius:50px;border:2px solid transparent;color:#fff;display:block;font-
size:14px;font-weight:500;letter-spacing:2px;margin:0 auto;max-width:160px;min-width:0;min-
width:160px;padding:12px 0 11px;position:relative;text-align:center;text-transform:uppercase;transition:background
.35s ease-out,color .35s ease-out;white-space:nowrap}@media screen and (max-width:768px){.page-template-
customers #download_cp_cc__cloud .featured-table table td .rounded_button,.page-template-customers
#download_cp_cc__cloud .featured-table table td button{font-size:11px;min-width:110px;max-
width:110px;margin-left:auto!important}}.page-template-customers #download_cp_cc__cloud .featured-table table
td .chart-cta-links{color:#5996c6;display:block;margin-top:30px;text-decoration:underline;font-
weight:300}@media screen and (max-width:768px){.page-template-customers #download_cp_cc__cloud .featured-
table table td .chart-cta-links{font-size:11px;min-width:110px;max-width:110px;margin-
left:auto!important}}@media screen and (max-width:480px){.page-template-customers #download_cp_cc__cloud
.featured-table table td{min-width:0;max-width:none;display:table-cell}}.page-template-customers
.rounded_button{position:relative;display:inline-block;text-decoration:none;border-radius:50px;box-shadow:2px
3px 6px 0 rgba(0,0,0,.25);box-shadow:none;min-width:360px;max-width:370px;text-align:left;font-
size:18px}.page-template-customers .rounded_button.simple_blue,.page-template-customers

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.rounded_button.simple_white{border:2px solid #4a94d6}.page-template-customers .download_blue-
c3{background-image:radial-gradient(ellipse farthest-corner at -40% 260%,#4a94d6 0,rgba(49,109,194,0)
80%,#4e95d3 0),linear-gradient(258deg,rgba(87,238,255,.1),rgba(77,108,211,0));background-
color:rgba(74,148,214,.85);color:#fff;padding:16px 20px 16px 65px}.page-template-customers .no-
icon:before{background-image:none!important}.page-template-customers .rounded_button
h5{display:block;padding:0;opacity:.99;font-family:Roboto;font-size:24px;font-weight:700;font-style:normal;font-
stretch:normal;line-height:1.6;letter-spacing:.7px;text-align:left;color:#fff}.page-template-customers
.global__breadcrumbs{font-size:12px;margin-bottom:60px}.page-template-customers .global__breadcrumbs
ul{margin:auto;list-style:none;overflow:hidden;position:static}.page-template-customers .global__breadcrumbs
li{float:left}.page-template-customers .global__breadcrumbs li a{font-weight:300}.page-template-customers
.global__breadcrumbs li:after{color:#4698cb;content:">";padding:6px}.page-template-customers
.global__breadcrumbs li:last-child:after{content:""}.page-template-customers .download_blue-
c3:before{content:"";background-repeat:no-repeat;background-
size:contain;width:40px;height:40px;position:absolute;left:20px;top:28px;transition:all .1s ease-in}.page-template-
customers .single--text:before{width:30px;height:30px;top:20px}.page-template-customers .download_blue-
simple{position:relative;width:240px;height:45px;padding:0;line-height:54px;margin-right:17px;background-
color:#4597cb;color:#fff;border:3px solid #4597cb;border-radius:7.5px;opacity:.99;font-size:18px;font-
weight:700;letter-spacing:1px;transition:all .3s ease;display:inline-block;text-align:center;white-
space:nowrap;vertical-align:middle;cursor:pointer;background-image:none;text-decoration:none!important;margin-
top:15px;margin-bottom:25px}.page-template-customers .cta-text-block h2{margin-bottom:60px}.page-template-
customers .download_blue-simple h5{color:#fff;text-decoration:none!important;padding:5px 15px;font-
size:16px}.page-template-customers .paper_white-c3{margin-left:15px;position:relative;display:inline-block;min-
width:360px;text-align:left;font-size:18px;text-decoration:none!important;border-radius:50px;background-
color:#fff;color:#4a94d6;padding:17px 21px 16px 70px;outline:0;transition:all .4s ease-in-out;border:3px solid
#4698cb}.page-template-customers .paper_white-c3 h5{display:block;padding:0;opacity:.99;font-
family:Roboto;font-size:24px;font-weight:700;font-style:normal;font-stretch:normal;line-height:1.6;letter-
spacing:.7px;text-align:left;color:#4a94d6}.page-template-customers .paper_white-
c3:before{content:"";background-image:url(https://cdn.confluent.io/wp-
content/themes/confluent/assets/images/paper_white_link_icon.png);background-repeat:no-repeat;background-
size:contain;width:51px;height:51px;position:absolute;left:13px}.page-template-customers .download_blue-c3
span,.page-template-customers .paper_white-c3 span{display:block;font-size:15px;line-height:20px}.page-template-
customers .c3-video_container a.play_btn{background-
size:contain;position:absolute;content:"play";display:block;width:21%;height:30%;text-align:left;text-indent:-
9999px;background-repeat:no-repeat;background-size:cover;top:40%;right:50%;margin-top:-41px;margin-left:-
34px}.page-template-customers .imagefullright .col-sm-3{position:absolute;left:66.66%;right:calc(-50% +
300px);padding:0;width:50%;text-align:left;left:64%}.page-template-customers .imagefullright img{margin-top:-
55px}.page-template-customers .hero-section .col-sm-8{position:relative;z-index:1}.page-template-customers .hero-
section h1{margin-bottom:30px;padding-bottom:0;line-height:70px}@media only screen and (max-
width:767px){.page-template-customers .hero-section h1 br{display:none}}.page-template-customers .hero-section
.cta-wrap{padding-top:35px}.page-template-customers .hero-section--border{border-bottom:1px solid
#e6e6e6}.page-template-customers .hero-section p{color:#4a4a4a;line-height:32px!important;max-
width:760px;letter-spacing:.2px;font-size:21px;width:700px}.page-template-customers
.section.hero_overview{overflow-x:hidden;overflow:hidden;padding:120px 0 30px;text-align:left}@media only
screen and (min-width:768px){.page-template-customers .section.hero_overview{padding:120px 0}}.page-
template-customers .testimonial-section{padding-top:119px;padding-bottom:120px}.page-template-customers
.testimonial-section-block{padding-right:21px;padding-left:21px;margin-right:auto;margin-left:auto}.page-
template-customers .cta-text-section{padding-top:50px;padding-bottom:60px;background-color:#fafafa}.page-
template-customers .cta-text-gradient{padding-top:50px;padding-bottom:60px;background-color:#fff;background-

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image:linear-gradient(180deg,hsla(0,0%,100%,0),rgba(70,152,203,.08)).page-template-customers .cta-text-
white {padding-top:50px;padding-bottom:60px}.page-template-customers .cta-text-block {padding-
right:21px;padding-left:21px;margin-right:auto;margin-left:auto}.page-template-customers .cta-text-block
img {width:150px}.page-template-customers .intro-title {margin:auto}.page-template-customers .intro-title h2 {font-
weight:300;color:#8e9093;text-align:center;font-size:3.6rem;line-height:52px}.page-template-customers .intro-title
p {margin-top:0;text-align:center}.page-template-customers .quote-customer-name {font-size:16px!important;text-
align:center;line-height:2!important;color:#ff671b;text-transform:uppercase;padding:0;letter-spacing:2px;font-
weight:400}.page-template-customers .quote-customer-desination {font-size:16px!important;text-align:center;line-
height:2!important;color:#4a4a4a;padding:0;letter-spacing:.2px;font-weight:300}.page-template-customers .bottom-
cta {background-color:#fafafa;overflow:hidden;padding:50px 0}.page-template-customers .bottom-cta
.container {padding:90px 15px;position:relative}.page-template-customers .bottom-cta h2 {margin-
bottom:30px}@media only screen and (max-width:767px) {.page-template-customers .bottom-cta h2
br {display:none}}.page-template-customers .bottom-cta
.container:before {content:"";display:block;width:200%;height:50%;background-color:#fff;border-radius:500px 0 0
0;position:absolute;top:0;left:-10%}.page-template-customers .bottom-cta
.container:after {content:"";display:block;width:200%;height:50%;background-color:#fff;border-radius:0 0 0
500px;position:absolute;bottom:0;left:-10%}.page-template-customers .bottom-cta .container .text-
wrap {position:relative;z-index:1}.page-template-customers .learn-to-love p,.page-template-customers .section-text
p {font-weight:300;line-height:2;color:#4a4a4a;font-size:16px}.page-template-customers .learn-to-love p {font-
family:Roboto;font-style:normal;font-stretch:normal;letter-spacing:.2px;text-align:left;padding-top:7px;margin-
bottom:48px}.page-template-customers .cta-links-section {background:#fafafa;padding:80px 0}.page-template-
customers .cta-anchors {padding-right:60px;display:block;font-weight:300;line-height:32px}.page-template-
customers .transition-c3 p:nth-child(6) {margin-bottom:0}.page-template-customers .section-text__left p,.page-
template-customers .section-text__right p {font-family:Roboto;font-size:16px;font-weight:300;font-
style:normal;font-stretch:normal;line-height:2;letter-spacing:.2px;text-align:left;color:#4a4a4a;padding-
bottom:10px;padding-top:8px}.page-template-customers .section-text__right h3,.page-template-customers .section-
text__right p,.page-template-customers .section-text__right ul {padding-left:110px}.page-template-customers
.section-text__left h3,.page-template-customers .section-text__left p {padding-right:110px}.page-template-customers
.section-text__left h3,.page-template-customers .section-text__right h3 {width:90%;opacity:.99;font-
family:Roboto;font-size:24px;font-weight:700;font-style:normal;font-stretch:normal;line-height:1.6;letter-
spacing:.7px;text-align:left;color:#4a4a4a;padding-top:60px}.page-template-customers .section-text__right
a {padding-left:110px}.page-template-customers .section-img__left img {padding-top:150px}.page-template-
customers .section-img__left_No img {padding-top:125px}.page-template-customers .section-img__right
img {padding-top:110px}.page-template-customers .c3_specific_content p {padding-top:8px}.page-template-
customers .c3_specific_content {background-color:#fafafa;padding-top:90px;padding-bottom:35px}.page-template-
customers .image-text-section {background-color:#fff;background-image:linear-
gradient(180deg,hsla(0,0%,100%,0),rgba(70,152,203,.08));padding-top:120px;padding-bottom:89px}.page-
template-customers .image-text-section ul {margin-top:-20px;font-weight:300}.page-template-customers .image-
text-section ul li {color:#4a4a4a}@media screen and (min-width:768px) {.page-template-customers .image-text-
section .section-text__right ul {margin-left:35px}}@media screen and (max-width:767px) {.page-template-
customers .image-text-section .section-text__right ul {padding-left:40px}}.page-template-customers .image-
animation-1,.page-template-customers .image-animation-2,.page-template-customers .image-animation-
3 {position:relative;margin-top:25px}.page-template-customers .image-animation-1 {display:block}.page-template-
customers .img-section-title {width:264px;font-family:Roboto;font-size:24px;font-weight:700;font-
style:normal;font-stretch:normal;line-height:1.58;letter-spacing:.7px;text-align:left;color:#4698cb;padding:0}.page-
template-customers .main_banner {padding:90px 0 100px}.page-template-customers .faq_intro p {max-
width:90%;color:#4a4a4a;font-size:18px}.page-template-customers .faq_content {max-width:90%!important}.page-
template-customers .certificate_faq_section p {max-width:none}.page-template-customers .image-animation-

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1,.page-template-customers .image-animation-2{display:none}.page-template-customers .form_style{padding-left:320px;padding-top:25px}.page-template-customers .form_style_media{padding-left:20px;padding-top:25px}@media screen and (max-width:990px){.page-template-customers .form_style{padding-left:65px}.page-template-customers .form_style_media{padding-left:0}}@media screen and (min-width:1450px){.page-template-customers .imagefullright .col-sm-3 img{margin:-55px 0 0;max-width:750px}.page-template-customers .c3-video_container a.play_btn{width:120px;height:120px;right:0;left:30%;top:45%}}@media screen and (max-width:991px){.page-template-customers .c3-video_container a.play_btn{width:90px;height:90px;top:40%;left:40%}}@media screen and (max-width:767px){.page-template-customers .c3-video_container a.play_btn{width:80px;height:80px;top:50%;left:50%}.page-template-customers .imagefullright .col-sm-3 img{display:block;margin:20px auto 0}.page-template-customers .imagefullright .col-sm-3{position:relative!important;left:0!important;right:0!important;padding:15px!important;width:100%!important}.page-template-customers .section-text__left h3,.page-template-customers .section-text__left p{padding-right:10px!important}.page-template-customers .transition-c3{padding-bottom:55px}}@media screen and (max-width:1199px){.page-template-customers .paper_white-c3{margin-left:0!important;margin-top:20px}.page-template-customers .download_blue-c3{margin-bottom:10px}.page-template-customers .section-text__right a,.page-template-customers .section-text__right h3,.page-template-customers .section-text__right p,.page-template-customers .section-text__right ul{padding-left:10px}}@media screen and (max-width:767px){.page-template-customers .section-img__left_No img,.page-template-customers .section-img__left img{padding-top:25px!important}.page-template-customers .section-text__right a,.page-template-customers .section-text__right h3,.page-template-customers .section-text__right p{padding-left:10px!important}.page-template-customers .section-img__right img{padding-top:20px!important}}@media screen and (max-width:480px){.page-template-customers .download_blue-c3 h5,.page-template-customers .paper_white-c3 h5{font-size:18px!important}}.page-template-customers .c3_specific_content .image-animation{margin-top:100px}@media only screen and (max-width:767px){.page-template-customers .c3_specific_content .image-animation{margin-top:10px}.page-template-customers .animation_specfic_content{padding-bottom:25px}}.page-template-customers .bottom-cta p{margin-top:-80px}.page-template-customers .animation_specfic_content{padding-bottom:110px}.page-template-customers .desktop-only{display:none}@media screen and (min-width:800px){.page-template-customers .desktop-only{display:block}}.page-template-customers .cc-featured-table-header h2{font-size:38px!important;text-align:center;text-transform:capitalize!important}.page-template-customers #tab-2 .rounded_button{margin:30px auto!important}.page-template-customers #tab-2 h3{font-size:28px!important;text-align:center;margin-bottom:50px}.page-template-customers #tab-2 .pricing-check-list{max-width:850px;margin:0 auto}.page-template-customers #tab-2 .pricing-check-list li{font-size:20px;width:100%;margin-bottom:20px}@media screen and (min-width:1000px){.page-template-customers #tab-2 .pricing-check-list li{width:50%;padding-left:30px;text-align:left;margin-bottom:50px}}.page-template-customers #view-pricing .container{background:#fff;box-shadow:0 0 10px 3px rgba(0,0,0,.1)}@media screen and (max-width:768px){.page-template-customers #view-pricing .container{width:100%}}@media screen and (min-width:1000px){.page-template-customers #view-pricing .container{padding:0 50px}}.page-template-customers .pricing-table{position:relative}@media screen and (max-width:1000px){.page-template-customers .pricing-table{padding-bottom:0}}@media screen and (min-width:750px){.page-template-customers .pricing-table:after{background:#f2f3f6;content:"";height:250px;left:0;position:absolute;top:0;width:100%;z-index:-1}}.page-template-customers .pricing-table .rounded_button{background:#4597cb;border:2px solid #4597cb;color:#fff;display:block;font-size:14px;max-width:160px;min-width:160px;padding:10px;text-align:center;text-transform:uppercase;width:50%;transition:all .3s ease}.page-template-customers .pricing-table .rounded_button--outline,.page-template-customers .pricing-table .rounded_button: hover{background:#fff;border:2px solid #4597cb;color:#4597cb}.page-template-customers .pricing-table .rounded_button--outline: hover{background:#4597cb;color:#fff}.page-template-customers .pricing-table .pricing-ctas{margin:0 auto;width:auto;padding:60px 0 40px;display:block}@media screen and (min-width:800px){.page-template-customers .pricing-table .pricing-ctas{display:-ms-flexbox;display:flex;-ms-flex-

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wrap:wrap;flex-wrap:wrap;-ms-flex-pack:center;justify-content:center} }.page-template-customers .pricing-table
.pricing-ctas .rounded_button{margin:10px auto!important}@media screen and (min-width:800px){.page-template-
customers .pricing-table .pricing-ctas .rounded_button{margin:10px!important}}.page-template-customers .pricing-
table .pricing-ctas p{margin:30px 0;text-decoration:underline;text-align:center;width:100%}.page-template-
customers .pricing-table .row{display:-ms-flexbox;display:flex;margin:0 0 6px}.page-template-customers .pricing-
table .row-total h3{position:relative}.page-template-customers .pricing-table .row-total h3:before{border-top:1px
solid #979797;width:250px;position:absolute;content:"";height:1px;top:-16px;left:0}.page-template-customers
.pricing-table ul.tabs{display:block;list-style:none;margin:0 auto;padding:0;position:relative;z-index:1}@media
screen and (min-width:800px){.page-template-customers .pricing-table ul.tabs{-ms-flex-align:center;align-
items:center;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}}.page-template-
customers .pricing-table ul.tabs:before{border-top:1px solid
#e6e6e6;content:"";position:absolute;top:50%;width:100%;height:1px;left:0;z-index:-1}.page-template-customers
.pricing-table ul.tabs li{border:1px solid #e6e6e6;background:#fff;display:block;font-size:14px;padding:20px
30px;text-align:center;min-width:310px;cursor:pointer}.page-template-customers .pricing-table ul.tabs li
span{display:block;font-size:16px}.page-template-customers .pricing-table .tab-link:first-child{border-radius:5px
5px 0 0;border-bottom:none}.page-template-customers .pricing-table .tab-link:nth-child(2){border-radius:0 0 5px
5px;border-top:none}@media screen and (min-width:800px){.page-template-customers .pricing-table .tab-link:first-
child{border-radius:5px 0 0 5px;border-bottom:1px solid #e6e6e6;border-color:#e6e6e6 currentcolor;border-
right:none}.page-template-customers .pricing-table .tab-link:first-child.current{border-color:#5781e9}.page-
template-customers .pricing-table .tab-link:nth-child(2){border-radius:0 5px 5px 0;border-color:currentcolor
#e6e6e6 #e6e6e6;border-top:1px solid #e6e6e6;border-left:none}.page-template-customers .pricing-table .tab-
link:nth-child(2).current{border-color:#5781e9}}.page-template-customers .pricing-table ul.tabs
li.current{border:1px solid #5781e9;background:#5781e9;color:#fff}.page-template-customers .pricing-table .tab-
content{display:none;padding:15px}.page-template-customers .pricing-table .tab-
content.current{display:inherit}.page-template-customers .pricing-table .pricing-check-list{margin-
bottom:30px;display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;padding:0;-ms-flex-
pack:center;justify-content:center}.page-template-customers .pricing-table .pricing-check-list
.icon.check{display:inline-block;margin-right:15px;height:15px;width:15px}.page-template-customers .pricing-
table .pricing-check-list ul{padding:0;text-align:center}.page-template-customers .pricing-table .pricing-check-list
li{display:block;list-style:none;text-align:center;width:100%}@media screen and (min-width:1000px){.page-
template-customers .pricing-table .pricing-check-list li{text-align:left;width:50%}}@media screen and (min-
width:1200px){.page-template-customers .pricing-table .pricing-check-list li{text-align:center;width:25%}}@media
screen and (max-width:850px){.page-template-customers .pricing-table .pricing-check-list li{margin-
bottom:8px}.page-template-customers .pricing-table .pricing-check-list li+li{margin-left:0}}.page-template-
customers .pricing-table .intro-title{margin:0 auto;padding:30px 0}.page-template-customers .pricing-table .intro-
title h2{color:#101040;margin-bottom:30px}.page-template-customers .pricing-table h3{color:#101040;font-
size:22px!important;font-weight:700}@media screen and (max-width:850px){.page-template-customers .pricing-
table h3{font-size:16px!important}}.page-template-customers .pricing-table h4{font-size:18px!important;font-
weight:700}@media screen and (max-width:850px){.page-template-customers .pricing-table h4{font-
size:14px!important}}.page-template-customers .pricing-table p{color:#101040;font-size:16px;line-
height:2}@media screen and (max-width:850px){.page-template-customers .pricing-table p{font-size:12px}}.page-
template-customers .pricing-table .col-sm-4{background:#fafafa;width:33%}.page-template-customers .pricing-
table .col-sm-4:first-child{background:#fff;border-bottom:1px solid #e6e6e6;-ms-flex-pack:start;justify-
content:flex-start}.page-template-customers .pricing-table .col-sm-4:first-child h3{font-size:18px!important}.page-
template-customers .pricing-table .col-sm-4 img{display:block;margin:0 auto;max-width:100px}.page-template-
customers .pricing-table .pricing-example-container{border:8px solid #fafafa;border-top:30px solid
#fafafa}@media screen and (min-width:1000px){.page-template-customers .pricing-table .pricing-example-
container{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}}.page-template-customers

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.pricing-table .pricing-example-container .pricing-example{margin:0 auto;width:95%}.page-template-customers .pricing-table .pricing-example-container .pricing-example:first-child{border-bottom:1px solid #979797}@media screen and (min-width:1000px){.page-template-customers .pricing-table .pricing-example-container .pricing-example{margin:0;width:50%}.page-template-customers .pricing-table .pricing-example-container .pricing-example:first-child{border-bottom:none}}.page-template-customers .pricing-table .pricing-example-container .pricing-example .cluster{-ms-flex-align:start;align-items:flex-start;-ms-flex-pack:start;justify-content:flex-start;padding:14px 34px}@media screen and (min-width:1000px){.page-template-customers .pricing-table .pricing-example-container .pricing-example .cluster{min-height:120px}}.page-template-customers .pricing-table .pricing-example-container .pricing-example .cluster img{margin-top:12px}.page-template-customers .pricing-table .pricing-example-container .pricing-example .cluster h3{font-size:18px!important}.page-template-customers .pricing-table .pricing-example-container .pricing-example .cluster h4{font-size:14px!important;padding:0}.page-template-customers .pricing-table .pricing-example-container .pricing-example .cluster p{font-size:14px}.page-template-customers .pricing-table .pricing-example-container .pricing-example .cluster p span{font-size:18px}.page-template-customers .pricing-table .top-row{border-top:1px solid #e6e6e6}.page-template-customers .pricing-table .flex-row{-ms-flex-pack:justify;justify-content:space-between}.page-template-customers .pricing-table .flex-row .light{font-weight:400}.page-template-customers .pricing-table .flex-row div{width:50%}.page-template-customers .pricing-table .flex-row div h3,.page-template-customers .pricing-table .flex-row div h4,.page-template-customers .pricing-table .flex-row div p{margin:0;padding:0}.page-template-customers .pricing-table .flex-row div+div{text-align:right}.page-template-customers .pricing-table .flex-row.grey-bg{background-color:#fafafa}.page-template-customers .pricing-table .darkgrey-bg{background-color:#eeff4}.page-template-customers .pricing-table .border-bottom{border-bottom:2px solid #e6e6e6}.page-template-customers .pricing-table .push-top{margin-top:65px}.page-template-customers .pricing-table .cluster,.page-template-customers .pricing-table .options,.page-template-customers .pricing-table .title{margin:0 0 6px;padding:27px 34px}.page-template-customers .pricing-table .cluster:first-child,.page-template-customers .pricing-table .options:first-child,.page-template-customers .pricing-table .title:first-child{margin-left:0}.page-template-customers .pricing-table .cluster{-ms-flex-align:center;align-items:center;border-left:0;border-right:0;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}.page-template-customers .pricing-table .cluster img{margin:0 20px 0 0;max-width:35px}.page-template-customers .pricing-table .cluster h3{padding:0}.page-template-customers .pricing-table .cluster p{font-size:16px;margin:0}.page-template-customers .mobile-only,.page-template-customers .mobile-only .row{display:block}.page-template-customers .mobile-only .top-row .title h3{text-align:center}.page-template-customers .mobile-only .top-row .title img{display:block;margin:0 auto}.page-template-customers .mobile-only .cluster{text-align:left;-ms-flex-pack:start;justify-content:flex-start;padding:14px 34px!important}@media screen and (min-width:800px){.page-template-customers .mobile-only{display:none}}.page-template-customers .mobile-only .aws,.page-template-customers .mobile-only .cloud{background:#fafafa;margin:0 auto 30px;max-width:600px;padding:33px 25px}@media screen and (max-width:850px){.page-template-customers .mobile-only .aws .toggle,.page-template-customers .mobile-only .cloud .toggle{font-size:12px}}.page-template-customers .mobile-only .aws h3,.page-template-customers .mobile-only .cloud h3{font-size:18px;padding:0}.page-template-customers .mobile-only .aws h4,.page-template-customers .mobile-only .cloud h4{padding:0;line-height:1}.page-template-customers .mobile-only .aws h4,.page-template-customers .mobile-only .aws p,.page-template-customers .mobile-only .cloud h4,.page-template-customers .mobile-only .cloud p{font-size:12px}.page-template-customers .mobile-only .aws>img,.page-template-customers .mobile-only .cloud>img{display:block;margin:0 auto 30px}.page-template-customers .mobile-only .aws>img+.row p,.page-template-customers .mobile-only .cloud>img+.row p{margin-bottom:0}.page-template-customers .mobile-only .col-sm-6{width:50%}.page-template-customers .mobile-only .expand{border-top:2px solid #e6e6e6;display:none;margin-top:20px;padding-top:20px}.page-template-customers .test-table{width:100%}@media screen and (max-width:1000px){.page-template-customers .test-table{display:none}}.page-template-customers .test-table thead td:nth-child(2),.page-template-customers .test-table thead td:nth-child(4){width:30%}.page-template-customers .test-table thead td>div{border:2px solid rgba(142,144,147,.2);border-top-left-radius:25px;border-top-right-radius:25px;border-

bottom:0;padding:30px}.page-template-customers .test-table thead td:nth-child(3){width:25px}.page-template-customers .test-table tbody td:nth-child(2)>div,.page-template-customers .test-table tbody td:nth-child(4)>div{border:2px solid rgba(142,144,147,.2);border-bottom:0;border-top:0;padding:15px 30px}.page-template-customers .test-table tbody td:first-child{padding:15px 30px}.page-template-customers .test-table tbody td{vertical-align:top}.page-template-customers .test-table tbody td:nth-child(3){padding:0}.page-template-customers .test-table tbody td p{margin:0;font-size:15px;font-weight:300}.page-template-customers .test-table tbody tr:nth-child(odd){background:#fafafa}.page-template-customers .test-table tfoot td>div{border:2px solid rgba(142,144,147,.2);border-bottom-left-radius:25px;border-bottom-right-radius:25px;border-top:0;padding:30px}.page-template-customers .test-table--mobile{display:none;width:100%}@media screen and (max-width:1000px){.page-template-customers .test-table--mobile{display:table}}.page-template-customers .test-table--mobile thead h4{font-size:18px;font-weight:700;margin:0;padding:0}.page-template-customers .test-table--mobile thead h4+p{font-size:12px;font-weight:300;line-height:18px;margin-top:0;padding-top:0}.page-template-customers .test-table--mobile tbody tr:nth-child(odd){background:#fafafa}.page-template-customers .test-table--mobile tbody td{padding:15px;vertical-align:top}.page-template-customers .test-table--mobile tbody p{margin:0;font-size:16px;font-weight:300}.page-template-customers .test-table--mobile tfoot td{padding:30px 0 60px}.wp .style-module--mainBanner--2fR-k{background-color:#b4e1e4}.wp .page-template-about-rebrand .main_banner{height:100vh;padding:0;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;-ms-flex-align:center;align-items:center;background:url(https://cdn.confluent.io/wp-content/uploads/about_bg_2019.jpg);background-size:cover;background-position:0}.wp .page-template-about-rebrand .main_banner .container h1{font-family:MarkOT;font-size:60px;font-weight:700;color:#fff}.wp .page-template-about-rebrand .main_banner .container p{width:700px;max-width:90%;margin:0 auto;font-size:21px;font-family:MarkOT;line-height:1.69;color:#fff;font-weight:300}.wp .page-template-about-rebrand .section.bg_light_grayish_blue{background-color:#fff}.wp .page-template-about-rebrand .section.bg_light_grayish_blue .container h2{font-family:MarkOT;font-size:14px;font-weight:500;text-transform:uppercase}.wp .page-template-about-rebrand .section.bg_light_grayish_blue .container h2:after{content:"";height:2px;width:40px;background:#257bd7;display:block;margin:-10px auto;position:relative}.wp .page-template-about-rebrand .sub-text{width:708px;text-align:center;max-width:90%;margin:60px auto}.wp .page-template-about-rebrand .sub-text-content{font-family:MarkOT;font-size:48px;font-weight:500;line-height:1.15;color:#000}.wp .page-template-about-rebrand .background-section-paragraphs{width:826px;font-family:MarkOT;font-size:16px;font-weight:300;line-height:1.88;letter-spacing:normal;text-align:center;color:#101040;margin:auto;max-width:90%}.wp .page-template-about-rebrand #management{background-color:#fafafa}.wp .page-template-about-rebrand .section.team_section h2{font-family:MarkOT;font-size:48px;font-weight:500;letter-spacing:.7px;text-align:center;color:#000;padding-bottom:30px;padding-top:50px}.wp .page-template-about-rebrand .avatar_wrapper.team-toggle{border:4px solid #fff;box-shadow:0 0 3px rgba(0,0,0,.2);display:inline-block;line-height:0;width:200px;height:200px}.wp .page-template-about-rebrand .br_990{display:none}.wp .page-template-about-rebrand .bg_linear_blue{background-image:linear-gradient(90deg,#247cd7,#31bfc2)}.wp .page-template-about-rebrand .circular_border_button_white{border-radius:8px;border:2px solid #fff;background-color:#fff;font-family:MarkOT;font-size:14px;font-weight:500;color:#173361;letter-spacing:.5px;text-transform:uppercase}.wp .page-template-about-rebrand .section.bg_orange.bg_linear_blue h2{font-family:MarkOT;font-size:40px;font-weight:700;line-height:1.13}.wp .page-template-about-rebrand .name.team-toggle{font-weight:700}.wp .page-template-about-rebrand .team-member .social a{border-radius:5px;width:22px;height:22px;font-size:13px}.wp .page-template-about-rebrand .social a .fa{font-size:15px}.wp .page-template-about-rebrand .position.team-toggle{font-size:18px;font-weight:300;font-style:normal;font-stretch:normal;line-height:1.78}.wp .page-template-about-rebrand .col-xs-12.col-sm-6.office{padding:0;min-height:500px;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;-ms-flex-align:center;align-items:center;background-position:bottom;width:calc(50% - 2px)}.wp .page-template-about-rebrand .col-xs-12.col-sm-6.office:first-of-type{margin-right:2px}.wp .page-template-about-rebrand .col-xs-12.col-sm-6.office:last-of-type{margin-

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left:2px }.wp .page-template-about-rebrand .office_address_container{height:350px;width:376px;opacity:.8;border-radius:8px;background-color:#000;max-width:90%;letter-spacing:.29px;font-weight:100}.wp .page-template-about-rebrand .office_name{padding:75px 0 25px}.wp .page-template-about-rebrand .office_address,.wp .page-template-about-rebrand .office_phone{font-size:20px}.wp .page-template-about-rebrand .section.team_section{background-color:#fafafa;padding-bottom:130px}.wp .page-template-about-rebrand .section.bg_light_grayish_blue.investors_section h2{font-family:MarkOT;font-size:48px;font-weight:700;text-transform:capitalize;letter-spacing:.7px;padding:0;margin:0}.wp .page-template-about-rebrand .section.bg_light_grayish_blue.investors_section .container{max-width:90%}.wp .page-template-about-rebrand .items.widthcol5.teams{margin-bottom:0}.wp .page-template-about-rebrand .section.bg_light_grayish_blue.investors_section h2:after{display:none}.wp .page-template-about-rebrand .line-container{position:absolute;bottom:0;width:100%}.wp .page-template-about-rebrand .line-container .line{height:2px;display:block;border:1px solid #d3d3d3;margin:auto;width:1140px;max-width:90%}.wp .page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section{background-image:none!important;background-color:#fff!important;padding-top:150px!important}.wp .page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section .container{width:1170px;max-width:90%;padding:0}.wp .page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section h2{font-size:48px;font-weight:700;letter-spacing:.7px;color:#000;margin-bottom:100px;padding-top:0}.wp .page-template-about-rebrand .additional_resources_section .item{box-shadow:0 0 15px 0 rgba(0,0,0,.25);border-top:12px solid #4698cb;transition:all .2s ease;padding:28px 25px 3px;border-bottom-left-radius:8px;border-bottom-right-radius:8px}.wp .page-template-about-rebrand .additional_resources_section .item:hover{background-color:#fff;box-shadow:2px 20px 20px 0 rgba(0,0,0,.25)}.wp .page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section .items_control{width:calc(33.33% - 75px);margin:0 37.5px;padding:20px 0;text-align:left}.wp .page-template-about-rebrand .additional_resources_section .item:hover img.cta_icon{display:inline}.wp .page-template-about-rebrand .additional_resources_section .item:hover img.cta_icon_hover{display:none}.wp .page-template-about-rebrand .additional_resources_section .item:hover h3,.wp .page-template-about-rebrand .additional_resources_section .item:hover p{color:#4698cb}.wp .page-template-about-rebrand .additional_resources_section .item h3{font-family:MarkOT;font-size:24px;font-weight:700;line-height:1.58;letter-spacing:.7px;color:#4698cb}.wp .page-template-about-rebrand .additional_resources_section .item:hover h3,.wp .page-template-about-rebrand .additional_resources_section .item:hover p{color:#000}.wp .page-template-about-rebrand .section.section .items.teams li{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}.wp .page-template-about-rebrand .additional_resources_section .item p{margin-bottom:50px}.wp .page-template-about-rebrand .cta_icon{margin-left:-10px!important;margin-bottom:23px}.wp .page-template-about-rebrand .want_to_learn_p_mh{font-family:MarkOT;font-size:16px;font-weight:300;line-height:1.63;letter-spacing:.2px;color:#4a4a4a}.wp .page-template-about-rebrand .additional_resources_section .item:hover h3{color:#4698cb}.wp .page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section .col-xxs-12.col-xs-6.col-sm-6.col-md-4.items_control{height:auto!important;padding:0}.wp .page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section .col-xxs-12.col-xs-6.col-sm-6.col-md-4.items_control a{background-color:#f16f45;color:#fff;opacity:1;margin-bottom:30px}.wp .page-template-about-rebrand .top-level-directors{display:-ms-flexbox;display:flex;width:100%}@media (min-width:990px){.wp .page-template-about-rebrand .top-level-directors{-ms-flex-pack:center;justify-content:center}.wp .page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section .container .row,.wp .page-template-about-rebrand .items.widthcol5.teams{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between}.wp .page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section .items_control:first-of-type{margin-left:0}.wp .page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section .items_control:last-of-type{margin-right:0}}@media (max-width:768px){.wp .page-template-about-rebrand h2{line-height:1.3}.wp .page-template-about-rebrand .section.bg_light_grayish_blue .container h2:after{margin:0 auto}.wp .page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section
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.container{ width:100% }.wp .page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section
.row{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;-ms-flex-align:center;align-
items:center;-ms-flex-direction:column;flex-direction:column;width:80%;margin:auto }.wp .page-template-about-
rebrand .items_control{ width:100%;margin:0 }.wp .page-template-about-rebrand
.bg_vary_dark_blue.additional_resources_section.section .items_control{ width:100%;height:auto }.wp .page-
template-about-rebrand .additional_resources_section .item a{margin-bottom:30px }.wp .page-template-about-rebrand
.col-xs-12.col-sm-6.office{ width:100% }.wp .page-template-about-rebrand .col-xs-12.col-sm-6.office:first-of-
type{margin-right:0 }.wp .page-template-about-rebrand .col-xs-12.col-sm-6.office:last-of-type{margin-left:0 }.wp
.page-template-about-rebrand .row.bod-list .col-xxs-12.col-xs-6.col-sm-6.col-md-4.team-member{ width:50% }.wp
.page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section .items_control:not(:last-of-
type){margin-bottom:30px }.wp .page-template-about-rebrand .section.bg_light_grayish_blue.investors_section
li{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;-ms-flex-align:center;align-
items:center }.wp .page-template-about-rebrand .section.bg_light_grayish_blue.investors_section li:nth-
child(odd){padding:20px 7px 20px 15px }.wp .page-template-about-rebrand
.section.bg_light_grayish_blue.investors_section li:nth-child(2n){padding:20px 15px 20px 7px }.wp .page-template-
about-rebrand .main_banner .container p{max-width:80%;margin:auto }.style-module--modalVisible--
2JxA1{overflow:hidden }.confluent-cloud-promo-disclaimer-module--wrapper--2AnZS{padding-
top:80px;width:800px;max-width:90%;margin:0 auto 50px;text-align:left }.confluent-cloud-promo-disclaimer-
module--wrapper--2AnZS h1{font-size:31px;font-weight:700;width:70%;text-align:center;margin:50px auto;line-
height:125%;text-transform:uppercase}@media screen and (min-width:768px){.confluent-cloud-promo-disclaimer-
module--wrapper--2AnZS h1{font-size:38px} }.confluent-cloud-promo-disclaimer-module--wrapper--2AnZS
p{font-weight:300;line-height:175%;font-size:18px }.covid-relief-module--offeringSection--34r6_{text-
align:center }.covid-relief-module--offeringSection--34r6_h2{width:900px;max-
width:95%;color:#173361;margin:auto auto 40px }.covid-relief-module--offeringSection--34r6_ .covid-relief-
module--confluentOfferingSummary--31Iue{font-size:16px;margin-bottom:50px;color:#173361 }.covid-relief-
module--offeringSection--34r6_p{width:800px;max-width:95%;margin:25px auto}@media screen and (min-
width:768px){.covid-relief-module--offeringSection--34r6_ .covid-relief-module--confluentOfferingSections--
1wWnO{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between} }.covid-relief-
module--offeringSection--34r6_ .covid-relief-module--confluentOfferingSections--1wWnO .covid-relief-module--
offeringCopy--2yt09{text-align:left}@media screen and (min-width:768px){.covid-relief-module--offeringSection--
34r6_ .covid-relief-module--confluentOfferingSections--1wWnO .covid-relief-module--offeringCopy--2yt09{max-
width:48%;-ms-flex:1 1;flex:1 1} }.covid-relief-module--offeringButton--2pwMm{margin-top:50px }.covid-relief-
module--cardWrapper--DUVnd{border-radius:8px;border:2px solid
rgba(130,148,148,.25);padding:25px;width:800px;max-width:95%;margin:0 auto 10px }.covid-relief-module--
cardWrapper--DUVnd h4{color:#173361;font-weight:700}@media screen and (max-width:991px){.style-module--
hero--1FU4d .container{-ms-flex-direction:column-reverse;flex-direction:column-reverse;height:auto;min-
height:400px}}@media screen and (max-width:991px){.style-module--hero--1FU4d .container .style-module--
content--3wHkp{text-align:center}}@media screen and (min-width:992px){.style-module--hero--1FU4d .container
.style-module--content--3wHkp{width:100%} }.style-module--hero--1FU4d .container .style-module--
imageContainer--2XT8f img{border:15px solid #fff;border-radius:5px;max-width:380px }.style-module--card--
3Yp_S{margin:40px 0;background:#fff }.style-module--card--3Yp_S h3{font-size:18px;font-
weight:700;color:rgba(0,0,0,.85);margin:0 0 20px }.style-module--card--3Yp_S .container{display:-ms-
flexbox;display:flex;box-shadow:0 3px 31px 0 rgba(57,84,109,.14);padding:25px;width:100%}@media screen and
(max-width:991px){.style-module--card--3Yp_S .container{-ms-flex-direction:column;flex-
direction:column} }.style-module--card--3Yp_S .container.style-module--right--3X6O9{-ms-flex-direction:row-
reverse;flex-direction:row-reverse}@media screen and (max-width:991px){.style-module--card--3Yp_S
.container.style-module--right--3X6O9{-ms-flex-direction:column-reverse;flex-direction:column-reverse} }.style-
module--card--3Yp_S .style-module--description--1v6zY{font-size:14px;font-weight:300;line-

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height:1.79;color:rgba(0,0,0,.85)}.style-module--card--3Yp_S .style-module--textContainer--38irh{ margin:20px;-ms-flex:2 1;flex:2 1;width:100% }.style-module--card--3Yp_S .style-module--textContainer--38irh pre{overflow:scroll}.style-module--card--3Yp_S .style-module--imageContainer--2i_kX{-ms-flex:1 1;flex:1 1}.style-module--card--3Yp_S .style-module--left--RafmO .style-module--imageContainer--2i_kX{margin-left:80px}.style-module--card--3Yp_S .style-module--right--3X6O9 .style-module--imageContainer--2i_kX{margin-right:80px}.style-module--card--3Yp_S .style-module--left--RafmO .style-module--imageContainer--2i_kX,.style-module--card--3Yp_S .style-module--right--3X6O9 .style-module--imageContainer--2i_kX{max-width:465px;min-width:200px;text-align:center}@media screen and (max-width:991px){.style-module--card--3Yp_S .style-module--left--RafmO .style-module--imageContainer--2i_kX,.style-module--card--3Yp_S .style-module--right--3X6O9 .style-module--imageContainer--2i_kX{margin:0 auto}}.style-module--cardContainer--Tk1IJ{display:block}.style-module--cardContainer--Tk1IJ h2{margin-bottom:40px}.style-module--cardContainer--Tk1IJ .style-module--description--1-eWt{font-size:14px;font-weight:300;line-height:1.79;color:rgba(0,0,0,.85);text-align:center;margin-bottom:100px}.style-module--group--2btFr .style-module--cards--3S_hd{box-shadow:0 3px 31px 0 rgba(57,84,109,.14);padding:25px;background:#fff}.style-module--group--2btFr .style-module--cards--3S_hd>div{margin:0}.style-module--group--2btFr .style-module--cards--3S_hd>div>div{box-shadow:none;padding:25px 0;border-bottom:1px solid rgba(0,0,0,1)}.style-module--group--2btFr .style-module--cards--3S_hd>div:first-of-type>div{padding-top:0}.style-module--group--2btFr .style-module--cards--3S_hd>div:last-of-type>div{padding-bottom:0;border-bottom:0}.style-module--faq--2lnMY h2{color:#173361;font-size:28px;font-weight:500;margin-bottom:90px;text-align:center}@media screen and (max-width:767px){.style-module--faq--2lnMY h2{font-size:21px}}.style-module--faq--2lnMY .style-module--list--2VXxQ{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-wrap:wrap;flex-wrap:wrap}.style-module--faq--2lnMY .style-module--list--2VXxQ>div{width:48%}@media screen and (max-width:767px){.style-module--faq--2lnMY .style-module--list--2VXxQ>div{width:100%}}.style-module--faq--2lnMY .style-module--list--2VXxQ .style-module--item--3p8Bv{margin-bottom:30px}.style-module--faq--2lnMY .style-module--list--2VXxQ .style-module--item--3p8Bv h3{margin:0 0 20px;font-size:18px;font-weight:700;color:rgba(0,0,0,.85)}.style-module--faq--2lnMY .style-module--list--2VXxQ .style-module--item--3p8Bv p{text-align:justify;font-size:14px;font-weight:300;line-height:1.79;color:rgba(0,0,0,.85);margin:0}.style-module--textCta--3ZsDH .style-module--title--2a9FF{margin-bottom:90px}.style-module--textCta--3ZsDH .style-module--content--1zhSd{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-wrap:wrap;flex-wrap:wrap}.style-module--textCta--3ZsDH .style-module--content--1zhSd>div{width:48%}@media screen and (max-width:767px){.style-module--textCta--3ZsDH .style-module--content--1zhSd>div{width:100%;margin:30px 0}.style-module--textCta--3ZsDH .style-module--content--1zhSd>div:first-child{margin-top:0}}.style-module--textCta--3ZsDH .style-module--content--1zhSd>div h3{color:rgba(0,0,0,.85);font-size:28px;font-weight:300;margin:0 0 30px;line-height:1.2}.style-module--textCta--3ZsDH .style-module--content--1zhSd>div .list-links{margin:0;padding:0;list-style:none;list-style-position:inside;line-height:1.86}@media screen and (max-width:767px){.style-module--textCta--3ZsDH .style-module--content--1zhSd>div .list-links{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between;width:100%}}@media screen and (max-width:767px){.style-module--textCta--3ZsDH .style-module--content--1zhSd>div .list-links li{width:48%}}@media screen and (max-width:575px){.style-module--textCta--3ZsDH .style-module--content--1zhSd>div .list-links li{width:100%}}.style-module--textCta--3ZsDH .style-module--content--1zhSd>div .list-links li:before{content:"\2022";color:#257bd7;font-weight:700;display:inline-block;width:1em;margin-right:5px;vertical-align:middle}.style-module--textCta--3ZsDH .style-module--content--1zhSd>div .list-links li a{color:#257bd7;font-size:14px}.style-module--textCta--3ZsDH .style-module--content--1zhSd>div .faq h3{color:rgba(0,0,0,.85);font-size:18px;font-weight:700;margin:30px 0 20px}.style-module--textCta--3ZsDH .style-module--content--1zhSd>div .faq p{color:rgba(0,0,0,.85);font-size:14px;font-weight:300;line-height:1.79}.style-module--html--hXhKt .cta-container{text-align:center}.style-module--html--hXhKt .cta-container a{transition:all .5s ease-in-out;transition:all .5s cubic-bezier(.785,.135,.15,.86);border-radius:6px;display:inline-block;font-size:12px;letter-spacing:.9px;line-

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height:1.5;padding:12px 30px;text-align:center;text-decoration:none;text-transform:uppercase;background-
color:#38cccd;border:1px solid #38cccd;color:#fff;font-weight:700;max-width:300px;width:90% }.style-module--
html--hxhKt .cta-container a:hover{ cursor:pointer;text-decoration:none }.style-module--layout--
1T_e6{ background:#f3f4f7 }.style-module--layout--1T_e6 .style-module--content--
3E83u>div{ background:none }.style-module--layout--1T_e6 .style-module--content--3E83u>div>div{ padding:90px
0 }.style-module--layout--1T_e6 .style-module--content--3E83u>div:nth-child(2)>div{ padding-top:0 }.style-module-
-layout--1T_e6 .style-module--content--3E83u>div:nth-child(odd){ background:#fff }.style-module--layout--1T_e6
.style-module--content--3E83u ol+p,.style-module--layout--1T_e6 .style-module--content--3E83u p+p,.style-
module--layout--1T_e6 .style-module--content--3E83u ul+p{ margin-top:15px }.style-module--label--
1wBOP{ position:relative }.style-module--checkbox--
4RNxb{ position:absolute;top:0;left:0;height:25px;width:25px;border:1.1px solid #e3e4e5;transition:all .2s ease-in-
out;background:#fff;border-radius:4px }.style-module--checkbox--
4RNxb:after{ content:"";position:absolute;display:none;background-
color:#173361;width:100%;height:100%;border-radius:4px }.style-module--input--mBEsz{ width:auto }.style-
module--input--mBEsz:checked+.style-module--checkbox--4RNxb:after{ display:block }.style-module--popup--
1HA66{ opacity:0;position:fixed;top:100%;left:50%;-ms-transform:translateX(-50%);transform:translateX(-
50%);transition:all .25s ease-in-out;background:#fff;width:100%;z-index:9999;border-
radius:8px;padding:25px;max-width:475px;max-height:80%;overflow-y:scroll }.style-module--popup--1HA66.style-
module--active--3SoXb{ opacity:1;top:50%;-ms-transform:translate(-50%,-50%);transform:translate(-50%,-
50%) }.style-module--popup--1HA66 label{ display:none }.style-module--popup--1HA66 form{ font-
family:inherit!important;font-size:16px!important;width:100%!important;display:-ms-
flexbox!important;display:flex!important;-ms-flex-direction:column;flex-direction:column }.style-module--popup--
1HA66 form input[type=email],.style-module--popup--1HA66 form input[type=tel],.style-module--popup--1HA66
form input[type=text]{ background-color:#fff;border:2px solid rgba(130,148,148,.25);border-
radius:4px;width:100%!important;margin-bottom:5px;color:#000;font-size:14px;font-weight:300;line-
height:1.2;padding:10px;box-shadow:none }.style-module--popup--1HA66 form input[type=email]::-webkit-input-
placeholder,.style-module--popup--1HA66 form input[type=tel]::-webkit-input-placeholder,.style-module--popup--
1HA66 form input[type=text]::-webkit-input-placeholder{ color:#829494 }.style-module--popup--1HA66 form
input[type=email]::-moz-placeholder,.style-module--popup--1HA66 form input[type=tel]::-moz-placeholder,.style-
module--popup--1HA66 form input[type=text]::-moz-placeholder{ color:#829494 }.style-module--popup--1HA66
form input[type=email]::-ms-input-placeholder,.style-module--popup--1HA66 form input[type=tel]::-ms-input-
placeholder,.style-module--popup--1HA66 form input[type=text]::-ms-input-placeholder{ color:#829494 }.style-
module--popup--1HA66 form input[type=email]::placeholder,.style-module--popup--1HA66 form
input[type=tel]::placeholder,.style-module--popup--1HA66 form
input[type=text]::placeholder{ color:#829494 }.style-module--popup--1HA66 form
input[type=checkbox]{ border:1px solid #173361;border-radius:2px;-webkit-appearance:none;-moz-
appearance:none;appearance:none;height:14px;width:14px;outline:0 }.style-module--popup--1HA66 form
input[type=checkbox]:checked{ background:#173361 }.style-module--popup--1HA66 form
input[type=checkbox]+label{ color:#000;font-size:12px;font-weight:300;margin-bottom:15px;margin-
left:25px }.style-module--popup--1HA66 form input[type=checkbox]+label:last-child{ margin-bottom:0 }.style-
module--popup--1HA66 form .mktoLabel{ color:#000;font-size:12px;font-
weight:300!important;margin:0;padding:0 }.style-module--popup--1HA66 form .mktoLabel a{ text-
decoration:underline }.style-module--popup--1HA66 form
select.mktoField{ outline:0;width:100%!important;padding:7px 10px!important;background:#fff;border:2px solid
rgba(130,148,148,.25)!important;color:#829494;font-size:14px!important;font-weight:300;height:40px;-webkit-
appearance:none;-moz-appearance:none;appearance:none;background-
image:url(https://cdn.confluent.io/images/arrow-down-blue.png);background-position:calc(100% - 10px)
50%;background-repeat:no-repeat;box-shadow:none }.style-module--popup--1HA66 form .mktoFormCol{ min-

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height:unset!important;width:100% }.style-module--popup--1HA66 form .mktoAsterix,.style-module--popup--1HA66 form .mktoClear,.style-module--popup--1HA66 form .mktoError,.style-module--popup--1HA66 form .mktoGutter,.style-module--popup--1HA66 form .mktoOffset{display:none!important}.style-module--popup--1HA66 form .mktoFieldWrap{width:100% }.style-module--popup--1HA66 form .mktoFieldWrap>div{padding:0;width:100%!important}.style-module--popup--1HA66 form .mktoFieldWrap .mktoCheckboxList{padding:20px 0}.style-module--popup--1HA66 form .mktoFieldWrap .mktoHtmlText{color:#829494;font-size:10px;font-weight:300;line-height:2}.style-module--popup--1HA66 form .mktoFieldWrap .mktoHtmlText br{display:none}.style-module--popup--1HA66 form .mktoFieldWrap .mktoInvalid{border:2px solid #d8365d!important}.style-module--popup--1HA66 form .mktoFieldWrap .mktoInvalid.mktoCheckboxList{border:1px solid #d8365d}.style-module--popup--1HA66 form .mktoButtonRow{margin:20px 0;width:100%;text-align:center}.style-module--popup--1HA66 form .mktoButtonRow .mktoButtonWrap{margin:0!important}.style-module--popup--1HA66 form .mktoButtonRow .mktoButtonWrap .mktoButton,.style-module--popup--1HA66 form .mktoButtonRow .mktoButtonWrap.mktoSimple .mktoButton{transition:all .5s ease-in-out;transition:all .5s cubic-bezier(.785,.135,.15,.86);border-radius:6px;display:inline-block;font-size:12px;font-weight:700;letter-spacing:.9px;line-height:1.5;padding:12px 30px;text-align:center;text-decoration:none;text-transform:uppercase;background-color:#173361;border:1px solid #173361;color:#fff;background-image:none;box-shadow:none}.style-module--popup--1HA66 form .mktoButtonRow .mktoButtonWrap .mktoButton: hover,.style-module--popup--1HA66 form .mktoButtonRow .mktoButtonWrap.mktoSimple .mktoButton: hover{cursor:pointer;text-decoration:none;background:#0074a2;border-color:#0074a2}.style-module--popup--1HA66 .style-module--title--3jrsZ,.style-module--popup--1HA66 h4{color:#173361;font-size:18px;font-weight:700;text-align:center;margin:0 0 25px}.style-module--popup--1HA66 .style-module--title--3jrsZ br,.style-module--popup--1HA66 h4 br{display:none}.style-module--popup--1HA66 .style-module--thankyou--3gN4F{color:#173361;font-size:28px;font-weight:700;text-align:center}#mktoForm_4261 .mktoFormRow:first-of-type{-ms-flex-order:1;order:1}.style-module--formWrapper--3Qo2L{width:800px;margin:auto;max-width:95% }.style-module--formWrapper--3Qo2L .style-module--wrapper--1-KWg{display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column}.style-module--formWrapper--3Qo2L .style-module--wrapper--1-KWg .style-module--checkBoxSpan--Wfipq{width:22px;height:22px}.style-module--formWrapper--3Qo2L .style-module--inputFieldWrapper--3MFi-.style-module--formWrapper--3Qo2L button div{text-align:center}.style-module--formWrapper--3Qo2L .style-module--inputFieldWrapper--3MFi{padding:10px;background-color:rgba(130,148,148,.25);border-radius:4px}.style-module--formWrapper--3Qo2L .style-module--label--3wd4p{padding-left:10px}.style-module--formWrapper--3Qo2L .style-module--thankYou--3K4Q8{text-align:center}.style-module--confirmation--3GwEz{margin:100px 0 150px}.style-module--confirmation--3GwEz h4{margin-bottom:10px}.style-module--confirmation--3GwEz img{width:40px;margin-bottom:10px}.style-module--confirmation--3GwEz p{color:#0074a2;font-size:16px;font-weight:300;line-height:2.5px;letter-spacing:0}.style-module--agreeTellMore--1XsxA{position:relative}.style-module--agreeTellMore--1XsxA .style-module--errorMessage--zEZeL{position:absolute;top:0;background:#f8e0e0;width:100%;z-index:1;border:1px solid #d8365d;padding:20px;text-align:center;border-radius:4px;font-size:13px;color:#d8365d;opacity:0;visibility:hidden;transition:all .3s ease-in-out}.style-module--agreeTellMore--1XsxA .style-module--errorMessage--zEZeL:first-of-type{font-weight:700;font-size:15px}.style-module--agreeTellMore--1XsxA .style-module--errorMessage--zEZeL.style-module--show--1arAG{opacity:1;visibility:visible}.style-module--us--6zV9S .style-module--tos--31nfQ{display:none}.style-module--tos--1ShSb{font-size:11px;font-weight:300;color:#829494;margin-top:25px;line-height:2.1px}.style-module--tosUS--30ljb,.style-module--us--2VtUI .style-module--tos--1ShSb{display:none}.style-module--us--2VtUI .style-module--tosUS--30ljb{display:block}.style-module--confirmation--KDDmz{margin:100px 0 150px}.style-module--confirmation--KDDmz h4{margin-bottom:10px}.style-module--confirmation--KDDmz img{width:40px;margin-bottom:10px}.style-module--confirmation--KDDmz>p{color:#0074a2;font-size:16px;font-

weight:300;line-height:25px;letter-spacing:0;margin-top:25px}.style-module--confirmation--KDDmz>p a{text-decoration:underline}.style-module--cardContainer--3lwMG{margin-top:50px}.style-module--cardContainer--3lwMG .style-module--card--LeUB9{background:#e6f5fb;padding:25px 10px}.style-module--cardContainer--3lwMG .style-module--card--LeUB9 h3{font-size:14px;font-weight:700}.style-module--us--3qmiT .style-module--tos--GbbpQ{display:none}.style-module--tos--2V0no{font-size:11px;font-weight:300;color:#829494;margin-top:25px;line-height:21px}.style-module--tosUS--PyizL,.style-module--us--2bsmN .style-module--tos--2V0no{display:none}.style-module--us--2bsmN .style-module--tosUS--PyizL{display:block}.style-module--tos--3mMRP{font-size:11px;font-weight:300;color:#829494;margin-top:25px;line-height:21px}.compare-module--heroSection--jsMPY{padding-bottom:220px}.compare-module--heroSection--jsMPY .compare-module--content--3J24J{width:auto!important}.compare-module--heroSection--jsMPY .compare-module--content--3J24J p{color:#173361;font-size:24px;margin-top:15px!important}.compare-module--heroSection--jsMPY .compare-module--content--3J24J p a{color:#38cccd}.compare-module--heroSection--jsMPY .compare-module--content--3J24J p+p{font-size:14px;margin-top:30px!important}.compare-module--contentSection--Idew_{padding-top:0;padding-bottom:0}.compare-module--contentSection--Idew_>div{position:relative;top:-290px}@media screen and (max-width:767px){.compare-module--contentSection--Idew_>div{top:-240px}}.compare-module--customList--330aP{margin:0;padding:0;list-style:none}.compare-module--customList--330aP li{display:inline-block}.compare-module--customList--330aP li+li{margin-left:15px}.compare-module--card--1U3nw{display:-ms-flexbox;display:flex;box-shadow:0 30px 60px -30px rgba(0,0,0,.06),0 50px 100px -20px rgba(69,107,122,.24);border-radius:4px;max-width:900px;margin:0 auto}@media screen and (max-width:767px){.compare-module--card--1U3nw{-ms-flex-direction:column;flex-direction:column}}.compare-module--card--1U3nw+.compare-module--card--1U3nw{margin-top:60px}.compare-module--card--1U3nw.compare-module--hide--rBHxL{display:none}.compare-module--leftColumn--1lpXq{background:#fff;width:60%;padding:50px 75px}@media screen and (max-width:767px){.compare-module--leftColumn--1lpXq{padding:35px;width:100%}}.compare-module--leftColumn--1lpXq h2{color:#173361;font-size:40px;font-weight:500;margin:0 0 10px}@media screen and (max-width:767px){.compare-module--leftColumn--1lpXq h2{font-size:24px}}.compare-module--leftColumn--1lpXq a{color:#38cccd}.compare-module--rightColumn--1YbBG{background:#f5f5f5;-ms-flex:1 1;flex:1 1;padding:50px}@media screen and (max-width:767px){.compare-module--rightColumn--1YbBG{padding:35px}}.compare-module--rightColumn--1YbBG h3{color:#173361;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;font-weight:700}.compare-module--rightColumn--1YbBG .compare-module--cloudProvider--O3phl{border-bottom:2px solid rgba(130,148,148,.25);margin-bottom:85px;padding-bottom:35px}.compare-module--rightColumn--1YbBG .compare-module--cloudProvider--O3phl h3{margin:0}.compare-module--rightColumn--1YbBG .compare-module--cloudProvider--O3phl .compare-module--customList--330aP{display:-ms-flexbox;display:flex;margin:25px 0 10px}.compare-module--rightColumn--1YbBG .compare-module--feature--1SBsN{padding:0}.compare-module--rightColumn--1YbBG .compare-module--feature--1SBsN h3{font-size:15px;line-height:21px}.compare-module--rightColumn--1YbBG .compare-module--feature--1SBsN+.compare-module--feature--1SBsN{margin-top:40px}.compare-module--rightColumn--1YbBG .compare-module--featureBlurb--36n_N{margin-top:5px}.compare-module--rightColumn--1YbBG .compare-module--featureBlurb--36n_N p{color:#0074a2;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;font-size:14px;line-height:21px;margin:0}.compare-module--form--3C4lg{margin-top:25px}.compare-module--form--3C4lg h4{color:#173361;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;font-weight:700;margin:0 0 25px}.compare-module--form--3C4lg .compare-module--title--16y3G:before{content:"";background:#38cccd;width:30px;display:block;height:4px;border-radius:20px;margin-bottom:10px}.compare-module--form--3C4lg button{width:100%}.compare-module--form--3C4lg .compare-module--formConfluentCloud--3p_Qj>*,.compare-module--form--3C4lg .compare-module--formConfluentPlatform--1GPOM>*,.compare-module--form--3C4lg .compare-module--formConfluentPlatformCommunity--3voiH>*{margin-bottom:10px}.compare-module--form--3C4lg .compare-module--formConfluentCloud--3p_Qj>:last-child,.compare-module--form--3C4lg .compare-module--

formConfluentPlatform--1GPOM>:last-child,.compare-module--form--3C4lg .compare-module--
formConfluentPlatformCommunity--3voiH>:last-child{margin-bottom:0}.compare-module--footer--3Qjxv{margin-
top:10px}.compare-module--footer--3Qjxv .compare-module--existingAccount--2h1CU{text-align:center;font-
size:13px;font-weight:500;color:#504f6c}.compare-module--footer--3Qjxv .compare-module--
additionalInformation--1uuzb{margin:35px 0 0;display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-
wrap:wrap}.compare-module--footer--3Qjxv .compare-module--additionalInformation--1uuzb
p{color:#173361;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;font-weight:700;margin-
right:15px;width:200px}.compare-module--footer--3Qjxv .compare-module--additionalInformation--1uuzb
ul{width:150px}.compare-module--blurb--1ZA6n{color:#504f6c;font-size:16px;font-weight:300;line-
height:25px;letter-spacing:0}.compare-module--cpCommunity--2GCVu .compare-module--leftColumn--
1lpXq{width:100%}.style-module--switch--13P_i{position:relative;display:inline-
block;width:60px;height:34px;margin-right:15px!important;margin-top:30px!important;margin-
bottom:30px!important;min-width:60px}.style-module--switchInput--2NPF7{opacity:0;width:0;height:0}.style-
module--slider--3eAa2{position:absolute;cursor:pointer;top:0;left:0;right:0;bottom:0;background-
color:rgba(142,144,147,.15);transition:.4s}.style-module--slider--
3eAa2:before{position:absolute;content:"";height:26px;width:26px;left:4px;bottom:4px;background-color:#fff;box-
shadow:1px 1px 3px 0 rgba(0,0,0,.25);transition:.4s}input:checked+.style-module--slider--
3eAa2:before{background-color:#4698cb;-ms-transform:translateX(26px);transform:translateX(26px)}.style-
module--round--Gt-XR{border-radius:34px}.style-module--slider--3eAa2.style-module--round--Gt-
XR:before{border-radius:50%}.style-module--toggleWrapper--u8bXz{display:-ms-flexbox;display:flex;-ms-flex-
align:center;align-items:center}.style-module--error--AAShr{border:1px solid #8c0005}.wp .email-preferences-
page .container{padding-left:21px;padding-right:25px}.wp .email-preferences-page .section__preference-center-
header .title{font-family:MarkOT;font-size:36px;font-weight:700;font-style:normal;font-stretch:normal;line-
height:1.45;letter-spacing:normal;text-align:left;color:#003b49;padding-top:8px;padding-bottom:36px}.wp .email-
preferences-page .section__preference-center-header .sub_title{font-family:MarkOT;font-size:16px!important;font-
weight:400;font-style:normal;font-stretch:normal;line-height:2!important;letter-spacing:2px;text-
align:left;color:#173361;padding-top:89px}.wp .email-preferences-page .section__preference_center form.mktoForm
select.mktoField{background-color:#fff!important}.wp .email-preferences-page .section__preference_center
.mktoForm .mktoFormRow{display:inline-block;width:40.6%;clear:inherit;background:#fff;margin-
bottom:50px!important}.wp .email-preferences-page .mktoForm .mktoLabel{padding-top:0!important}.wp .email-
preferences-page form.mktoForm .mktoFormRow{background-color:#fff}.wp .email-preferences-page
form.mktoForm .mktoRequiredField label.mktoLabel,.wp .email-preferences-page form.mktoForm
label.mktoLabel{font-family:MarkOT;font-size:12px;font-weight:400;font-style:normal;font-stretch:normal;line-
height:2.67;letter-spacing:2px;text-align:left;color:#4a4a4a;text-transform:uppercase}.wp .email-preferences-page
form.mktoForm input.mktoField,.wp .email-preferences-page form.mktoForm select.mktoField,.wp .email-
preferences-page form.mktoForm textarea.mktoField{height:48px;font-family:MarkOT;font-size:16px;font-
weight:300;font-style:normal;font-stretch:normal;line-height:2!important;letter-spacing:.2px;text-
align:left;color:#4a4a4a;padding:8px 12px!important;border:1px solid #a7a7a8!important;background-
color:#fff;border-radius:2px}.wp .email-preferences-page form.mktoForm .mktoRequiredField
label.mktoLabel[for=Email]:after{left:125px}.wp .email-preferences-page form.mktoForm .mktoRequiredField
label.mktoLabel[for=Country]:after{left:185px}.wp .email-preferences-page form.mktoForm .mktoRequiredField
label.mktoLabel:after{content:"*";font-size:12px;color:#173361;position:absolute;left:95px}.wp .email-preferences-
page hr{height:5px;background-color:#000;opacity:.06;margin-top:75px;margin-right:28px}.wp .email-preferences-
page .subscription_sub_title,.wp .email-preferences-page .subscription_title{color:#4a4a4a;font-
family:MarkOT;font-style:normal;font-stretch:normal;text-align:left}.wp .email-preferences-page
.subscription_title{font-size:24px;font-weight:700;line-height:1.58;letter-spacing:.7px;padding-top:0}.wp .email-
preferences-page .subscription_sub_title{height:92px;font-size:16px;font-weight:300;line-height:2;letter-
spacing:.2px}.wp .email-preferences-page .marketo_video_title{font-family:MarkOT;font-size:36px;font-

weight:700;font-style:normal;font-stretch:normal;line-height:1.45;letter-spacing:normal;text-align:left;color:#003b49;padding-bottom:90px;text-align:center;padding-top:15px}.wp .email-preferences-page .mktoForm div .marketo_video_container{padding-top:85px}.wp .email-preferences-page .video_container{position:relative;background-repeat:no-repeat;background-size:contain;background-position:50%;margin:auto;border-radius:15px}.wp .email-preferences-page .gdpr-video{display:block;margin-bottom:90px!important;margin-left:96px!important;margin-right:auto!important;border:0;height:auto;outline:0;width:83.5%}.wp .email-preferences-page .gdpr-video a.play_btn{background-image:url(https://cdn.confluent.io/wp-content/themes/confluent/assets/images/video-button-585.png)!important;background-size:contain!important;position:absolute;content:"play";display:block;width:68px;height:82px;text-align:left;text-indent:-9999px;background-repeat:no-repeat;top:70%;left:46%;margin-top:-41px;margin-left:-34px}.wp .email-preferences-page #subscriptionBlogs,.wp .email-preferences-page #subscriptionEducational,.wp .email-preferences-page #subscriptionEvents,.wp .email-preferences-page #subscriptionNewsletter,.wp .email-preferences-page #subscriptionProductUpdates,.wp .email-preferences-page #Unsubscribed,.wp .email-preferences-page form.mktoForm input#subscriptionWebinars{height:0}.wp .email-preferences-page .section_preference_center form.mktoForm .mktoButtonWrap.mktoRound .mktoButton{width:168px;height:48px;border-radius:100px;background-color:#4698cb;transition:all .3s ease;float:left;margin-bottom:120px}.wp .email-preferences-page .UnsubscribedReason--hide{display:none!important}.wp .email-preferences-page form.mktoForm .mktoFormRow .mktoFormCol:first-child:nth-last-child(3){width:15%;float:left}.wp .email-preferences-page form.mktoForm .mktoFormRow .mktoFormCol:first-child:nth-last-child(3)+.mktoFormCol{width:58%}.wp .email-preferences-page form.mktoForm .mktoFormRow .mktoFormCol:first-child:nth-last-child(3)+.mktoFormCol strong{display:block;margin-top:6px;position:relative}.wp .email-preferences-page [for=Unsubscribed]:after,.wp .email-preferences-page [for=UnsubscribedReason]:after{content:"";display:none!important}.wp .email-preferences-page .switch{position:relative;display:inline-block;width:50px;height:28px;margin-left:0!important}.wp .email-preferences-page .mktoForm input[type=checkbox]+label:before,.wp .email-preferences-page .switch input{display:none}.wp .email-preferences-page .slider{position:absolute;cursor:pointer;top:0;left:0;right:0;bottom:0;background-color:rgba(142,144,147,.15);transition:.4s}.wp .email-preferences-page .slider:before{position:absolute;content:"";height:28px;width:28px;background-color:#fff;transition:.4s;box-shadow:1px 1px 3px 0 rgba(0,0,0,.25)}.wp .email-preferences-page input:focus+.slider{box-shadow:0 0 1px #2196f3}.wp .email-preferences-page input:checked+.slider:before{background-color:#4698cb;-ms-transform:translateX(26px);transform:translateX(26px)}.wp .email-preferences-page .slider.round{border-radius:34px}.wp .email-preferences-page .slider.round:before{border-radius:50%}.wp .email-preferences-page .update_message{float:left;margin-top:100px!important;margin-bottom:120px!important;margin-left:25px!important;font-family:MarkOT;font-size:12px;font-weight:300;font-style:normal;font-stretch:normal;line-height:1.67;letter-spacing:.2px;text-align:left;color:#8e9093}@media only screen and (max-width:760px) and (min-width:479px){.wp .email-preferences-page form.mktoForm .mktoHtmlText{margin-left:25px}}@media only screen and (max-width:400px){.wp .email-preferences-page form.mktoForm .mktoFieldWrap{width:350px!important}.wp .email-preferences-page hr{height:1px!important;padding:1px!important}.wp .email-preferences-page .gdpr-video a.play_btn{top:88%;width:30px}.wp .email-preferences-page .mktoForm div .marketo_video_container{padding-top:20px}}@media only screen and (max-width:697px){.wp .email-preferences-page .section_preference_center .mktoForm .mktoFormRow{width:100%}}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFieldDescriptor{float:none;width:100%}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow{display:block;float:none;width:100%}.wp .email-preferences-page .section_preference_center #mktoForm_2386 input{height:auto!important;opacity:1!important}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFieldWrap{width:100%!important}.wp .email-preferences-page .section_preference_center #mktoForm_2386 div.mktoLogicalField{width:auto!important}.wp .email-preferences-page

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.section_preference_center #mktoForm_2386 .mktoFieldWrap label,.wp .email-preferences-page
.section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(5)
.mktoHtmlText{ width:100%!important}.wp .email-preferences-page .section_preference_center #mktoForm_2386
.mktoFormRow:nth-child(7){ margin-top:86px;padding-top:86px;border-top:5px solid #dce0e4}@media only screen
and (min-width:768px){.wp .email-preferences-page .section_preference_center #mktoForm_2386
.mktoFormRow:nth-child(7){ display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-
between}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(7)
.mktoFieldDescriptor{ width:50% }.wp .email-preferences-page .section_preference_center #mktoForm_2386
.mktoFormRow:nth-child(7) .mktoFormCol:nth-child(2){ display:none }}.wp .email-preferences-page
.section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(7) .mktoFieldDescriptor
.mktoFieldWrap{ display:-ms-flexbox;display:flex;-ms-flex-direction:row-reverse;flex-direction:row-reverse}.wp
.email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(7)
.mktoFieldDescriptor .mktoFieldWrap label{ display:block;margin-bottom:40px;position:relative;top:-2px}.wp
.email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-
n+13){ display:-ms-flexbox;display:flex;-ms-flex-pack:start;justify-content:flex-start}@media only screen and (min-
width:768px){.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-
child(n+8):nth-child(-n+13){ float:left;width:50% }}.wp .email-preferences-page .section_preference_center
#mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-n+13) .mktoFormCol b{ padding:0!important}.wp
.email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-
n+13) .mktoFormCol b span{ color:#4a4a4a;font-size:24px!important;font-weight:700;line-height:1.58;letter-
spacing:.7px;padding-top:0}.wp .email-preferences-page .section_preference_center #mktoForm_2386
.mktoFormRow:nth-child(n+8):nth-child(-n+13) .mktoFormCol b+span{ color:#4a4a4a;display:block;font-
size:16px!important;font-weight:300;line-height:30px;margin-bottom:40px}.wp .email-preferences-page
.section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-n+13)
.mktoFieldDescriptor{ position:relative;padding-right:24px;width:auto}.wp .email-preferences-page
.section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-n+13)
.mktoFormCol{ width:auto!important}.wp .email-preferences-page .section_preference_center #mktoForm_2386
.mktoFormRow:nth-child(14){ clear:both}.wp .email-preferences-page .section_preference_center #mktoForm_2386
.mktoFormRow:nth-child(15){ display:-ms-flexbox;display:flex;margin-top:40px}.wp .email-preferences-page
.section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) h1{ color:grey!important;font-
size:16px!important;font-weight:400!important;letter-spacing:2px!important;text-transform:uppercase}.wp .email-
preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15)
.mktoFieldDescriptor{ position:relative;width:auto!important}.wp .email-preferences-page
.section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap
label{ width:auto!important}.wp .email-preferences-page .section_preference_center #mktoForm_2386
.mktoFormRow:nth-child(15) .mktoFieldWrap>label,.wp .email-preferences-page .section_preference_center
#mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap label .slider.round{ display:none!important}.wp
.email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15)
.mktoFieldWrap label input{ display:block!important;margin:0!important}.wp .email-preferences-page
.section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15)
.mktoFormCol{ width:auto!important}.wp .email-preferences-page .section_preference_center #mktoForm_2386
.mktoFormRow:nth-child(15) .mktoFieldWrap .mktoHtmlText{ width:100%!important}.wp .email-preferences-page
.section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap
h1{ padding:0!important;width:100%!important}.wp .email-preferences-page .section_preference_center
#mktoForm_2386 .mktoFormRow:nth-child(16) label:after{ left:175px}.wp .email-preferences-page
.section_preference_center #mktoForm_2386 .mktoButtonWrap.mktoRound .mktoButton{ margin:60px 0
100px;width:auto!important}.wp .email-preferences-page .input-field-wrapper{ display:-ms-flexbox;display:flex;-
ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between}.wp .email-preferences-

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size:12px;color:#173361;position:absolute;left:95px }.wp .page-template-unsubscribe hr{height:5px;background-color:#000;opacity:.06;margin-top:75px;margin-right:28px }.wp .page-template-unsubscribe .subscription_sub_title,.wp .page-template-unsubscribe .subscription_title{color:#4a4a4a;font-family:MarkOT;font-style:normal;font-stretch:normal;text-align:left }.wp .page-template-unsubscribe .subscription_title{font-size:24px;font-weight:700;line-height:1.58;letter-spacing:.7px;padding-top:0;margin-top:40px }.wp .page-template-unsubscribe .subscription_title .asterix{color:#bf0000;font-size:13px;vertical-align:top }.wp .page-template-unsubscribe .subscription_sub_title{height:92px;font-size:16px;font-weight:300;line-height:2;letter-spacing:.2px }.wp .page-template-unsubscribe .marketo_video_title{font-family:MarkOT;font-size:36px;font-weight:700;font-style:normal;font-stretch:normal;line-height:1.45;letter-spacing:normal;text-align:left;color:#003b49;padding-bottom:90px;text-align:center;padding-top:15px }.wp .page-template-unsubscribe .mktoForm div .marketo_video_container{padding-top:85px }.wp .page-template-unsubscribe .video_container{position:relative;background-repeat:no-repeat;background-size:contain;background-position:50%;margin:auto;border-radius:15px }.wp .page-template-unsubscribe .gdpr-video{display:block;margin-bottom:90px!important;margin-left:96px!important;margin-right:auto!important;border:0;height:auto;outline:0;width:83.5% }.wp .page-template-unsubscribe .gdpr-video a.play_btn{background-image:url(//www.confluent.io/wp-content/themes/confluent/assets/images/video-button-585.png)!important;background-size:contain!important;position:absolute;content:"play";display:block;width:68px;height:82px;text-align:left;text-indent:-9999px;background-repeat:no-repeat;top:70%;left:46%;margin-top:-41px;margin-left:-34px }.wp .page-template-unsubscribe #subscriptionBlogs,.wp .page-template-unsubscribe #subscriptionEducational,.wp .page-template-unsubscribe #subscriptionEvents,.wp .page-template-unsubscribe #subscriptionNewsletter,.wp .page-template-unsubscribe #subscriptionProductUpdates,.wp .page-template-unsubscribe #Unsubscribed,.wp .page-template-unsubscribe form.mktoForm input#subscriptionWebinars{height:0 }.wp .page-template-unsubscribe .section_preference_center form.mktoForm .mktoButtonWrap.mktoRound .mktoButton{width:168px;height:48px;border-radius:100px;background-color:#4698cb;transition:all .3s ease;float:left;margin-bottom:120px }.wp .page-template-unsubscribe .UnsubscribedReason--hide{display:none!important }.wp .page-template-unsubscribe form.mktoForm .mktoFormRow .mktoFormCol:first-child:nth-last-child(3){width:15%;float:left }.wp .page-template-unsubscribe form.mktoForm .mktoFormRow .mktoFormCol:first-child:nth-last-child(3)+.mktoFormCol{width:58% }.wp .page-template-unsubscribe form.mktoForm .mktoFormRow .mktoFormCol:first-child:nth-last-child(3)+.mktoFormCol strong{display:block;margin-top:6px;position:relative }.wp .page-template-unsubscribe [for=Unsubscribed]:after,.wp .page-template-unsubscribe [for=UnsubscribedReason]:after{content:"";display:none!important }.wp .page-template-unsubscribe .switch{position:relative;display:inline-block;width:50px;height:28px;margin-left:0!important }.wp .page-template-unsubscribe .mktoForm input[type=checkbox]+label:before,.wp .page-template-unsubscribe .switch input{display:none }.wp .page-template-unsubscribe .slider{position:absolute;cursor:pointer;top:0;left:0;right:0;bottom:0;background-color:rgba(142,144,147,.15);transition:.4s }.wp .page-template-unsubscribe .slider:before{position:absolute;content:"";height:28px;width:28px;background-color:#fff;transition:.4s;box-shadow:1px 1px 3px 0 rgba(0,0,0,.25)}.wp .page-template-unsubscribe input:focus+.slider{box-shadow:0 0 1px #2196f3 }.wp .page-template-unsubscribe input:checked+.slider:before{background-color:#4698cb;-ms-transform:translateX(26px);transform:translateX(26px)}.wp .page-template-unsubscribe .slider.round{border-radius:34px }.wp .page-template-unsubscribe .slider.round:before{border-radius:50% }.wp .page-template-unsubscribe .update_message{float:left;margin-top:100px!important;margin-bottom:120px!important;margin-left:25px!important;font-family:MarkOT;font-size:12px;font-weight:300;font-style:normal;font-stretch:normal;line-height:1.67;letter-spacing:.2px;text-align:left;color:#8e9093 } @media only screen and (max-width:760px) and (min-width:479px){.wp .page-template-unsubscribe form.mktoForm .mktoHtmlText{margin-left:25px }} @media only screen and (max-width:400px){.wp .page-template-unsubscribe form.mktoForm

.mktoFieldWrap{width:350px!important}.wp .page-template-unsubscribe
hr{height:1px!important;padding:1px!important}.wp .page-template-unsubscribe .gdpr-video
a.play_btn{top:88%;width:30px}.wp .page-template-unsubscribe .mktoForm div
.marketo_video_container{padding-top:20px}}@media only screen and (max-width:697px){.wp .page-template-
unsubscribe .section_preference_center .mktoForm .mktoFormRow{width:100%}}.wp .page-template-unsubscribe
.section_preference_center #mktoForm_2386 .mktoFieldDescriptor{float:none;width:100%}.wp .page-template-
unsubscribe .section_preference_center #mktoForm_2386
.mktoFormRow{display:block;float:none;width:100%}.wp .page-template-unsubscribe .section_preference_center
#mktoForm_2386 input{height:auto!important;opacity:1!important}.wp .page-template-unsubscribe
.section_preference_center #mktoForm_2386 .mktoFieldWrap{width:100%!important}.wp .page-template-
unsubscribe .section_preference_center #mktoForm_2386 div.mktoLogicalField{width:auto!important}.wp .page-
template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFieldWrap label,.wp .page-template-
unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(5)
.mktoHtmlText{width:100%!important}.wp .page-template-unsubscribe .section_preference_center
#mktoForm_2386 .mktoFormRow:nth-child(7){margin-top:86px;padding-top:86px;border-top:5px solid
#dce0e4}@media only screen and (min-width:768px){.wp .page-template-unsubscribe .section_preference_center
#mktoForm_2386 .mktoFormRow:nth-child(7){display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-
content:space-between}.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386
.mktoFormRow:nth-child(7) .mktoFieldDescriptor{width:50%}.wp .page-template-unsubscribe
.section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(7) .mktoFormCol:nth-
child(2){display:none}}.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386
.mktoFormRow:nth-child(7) .mktoFieldDescriptor .mktoFieldWrap{display:-ms-flexbox;display:flex;-ms-flex-
direction:row-reverse;flex-direction:row-reverse}.wp .page-template-unsubscribe .section_preference_center
#mktoForm_2386 .mktoFormRow:nth-child(7) .mktoFieldDescriptor .mktoFieldWrap label{display:block;margin-
bottom:40px;position:relative;top:-2px}.wp .page-template-unsubscribe .section_preference_center
#mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-n+13){display:-ms-flexbox;display:flex;-ms-flex-
pack:start;justify-content:flex-start}@media only screen and (min-width:768px){.wp .page-template-unsubscribe
.section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-
n+13){float:left;width:50%}}.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386
.mktoFormRow:nth-child(n+8):nth-child(-n+13) .mktoFormCol b{padding:0!important}.wp .page-template-
unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-n+13)
.mktoFormCol b span{color:#4a4a4a;font-size:24px!important;font-weight:700;line-height:1.58;letter-
spacing:.7px;padding-top:0}.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386
.mktoFormRow:nth-child(n+8):nth-child(-n+13) .mktoFormCol b+span{color:#4a4a4a;display:block;font-
size:16px!important;font-weight:300;line-height:30px;margin-bottom:40px}.wp .page-template-unsubscribe
.section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-n+13)
.mktoFieldDescriptor{position:relative;padding-right:24px;width:auto}.wp .page-template-unsubscribe
.section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-n+13)
.mktoFormCol{width:auto!important}.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386
.mktoFormRow:nth-child(14){clear:both}.wp .page-template-unsubscribe .section_preference_center
#mktoForm_2386 .mktoFormRow:nth-child(15){display:-ms-flexbox;display:flex;margin-top:40px}.wp .page-
template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15)
h1{color:grey!important;font-size:16px!important;font-weight:400!important;letter-spacing:2px!important;text-
transform:uppercase}.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386
.mktoFormRow:nth-child(15) .mktoFieldDescriptor{position:relative;width:auto!important}.wp .page-template-
unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap
label{width:auto!important}.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386
.mktoFormRow:nth-child(15) .mktoFieldWrap>label,.wp .page-template-unsubscribe .section_preference_center

#mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap label .slider.round{display:none!important}.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap label input{display:block!important;margin:0!important}.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFormCol{width:auto!important}.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap .mktoHtmlText{width:100%!important}.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap h1{padding:0!important;width:100%!important}.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(16) label:after{left:175px}.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoButtonWrap.mktoRound .mktoButton{margin:60px 0 100px;width:auto!important}.wp .page-template-unsubscribe .unsubscribe-title.small{font-size:14px;font-weight:700}.wp .page-template-unsubscribe #UnsubscribedReason{height:48px;font-size:16px;font-weight:300;line-height:2!important;letter-spacing:.2px;text-align:left;color:#4a4a4a;padding:8px 12px!important;border:1px solid #a7a7a8!important;background-color:#fff;border-radius:2px;margin-bottom:30px}.wp .page-template-unsubscribe .mktoForm .mktoAsterix{display:block}.wp .page-template-unsubscribe .unsubscribe-reason-wrapper{margin-bottom:20px}.wp .page-template-unsubscribe .unsubscribe-reason-wrapper .mktoField{float:none;font-size:inherit;line-height:inherit}.wp .page-template-unsubscribe .unsubscribe-reason-wrapper .mktoField>div{padding:6px 15px;height:48px;max-width:none;border-width:1px;border-color:#a7a7a8;border-radius:0;font-size:16px;color:#4a4a4a}.wp .page-template-unsubscribe .unsubscribe-reason-wrapper .mktoField>div>div:last-child{max-width:none;top:47px;border-width:1px;border-color:#a7a7a8;border-radius:0;font-size:16px;color:#4a4a4a;width:calc(100% + 2px);left:-1px}.wp .page-template-unsubscribe .unsubscribe-reason-wrapper .mktoField>div .icon{margin-right:15px}.wp .get-subscription-template .header-two{font-size:24px;font-weight:400;margin-bottom:100px;line-height:32px;padding-bottom:0}.wp .get-subscription-template #ThankYouRedirect{display:none}.wp .get-subscription-template .image{height:90px}.wp .get-subscription-template .content{height:120px}.wp .get-subscription-template .item{min-height:340px}.wp .get-subscription-template #mktoForm_1051 .mktoButtonRow button{border:none}.style-module--item--3bS8-{min-height:340px;display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:center;justify-content:center}.style-module--button--1YC3d{-ms-flex-item-align:start;align-self:flex-start}@font-face{font-family:IsidoraSans-Medium;src:url(https://cdn.confluent.io/fonts/IsidoraSans/IsidoraSans-Medium.woff) format("woff");font-style:normal}@font-face{font-family:IsidoraSans-MediumIt;src:url(https://cdn.confluent.io/fonts/IsidoraSans/IsidoraSans-MediumIt.woff) format("woff");font-style:normal}@font-face{font-family:IsidoraSans-Regular;src:url(https://cdn.confluent.io/fonts/IsidoraSans/IsidoraSans-Regular.woff) format("woff");font-style:normal}@font-face{font-family:IsidoraSans-SemiBold;src:url(https://cdn.confluent.io/fonts/IsidoraSans/IsidoraSans-SemiBold.woff) format("woff");font-style:normal}.wp .page-livestream .video-container{margin-top:60px}.wp .page-livestream .cnfl a{font-size:12px;color:#257bd7;transition:all .3s ease-in-out;text-decoration:none!important}.wp .page-livestream .cnfl a:hover{opacity:.6}.wp .page-livestream .title-arrow{width:20px;height:20px;display:inline-block;position:absolute;top:0;left:120px;top:24px}.wp .page-livestream .title-arrow:after,.wp .page-livestream .title-arrow:before{content:"";position:absolute;background-color:#8e9093;width:15px;height:1px;transition:all .4s cubic-bezier(1,.07,.28,1.04)}.wp .page-livestream .title-arrow:before{-ms-transform:rotate(45deg);transform:rotate(45deg)}.wp .page-livestream .title-arrow:after{-ms-transform:rotate(-45deg);transform:rotate(-45deg);left:11px}.wp .page-livestream .expanded .title-arrow:before{-ms-transform:rotate(135deg);transform:rotate(135deg)}.wp .page-livestream .expanded .title-arrow:after{-ms-transform:rotate(-135deg);transform:rotate(-135deg)}.wp .page-livestream .error,.wp .page-livestream .error+.checkmark{border-color:#df2d58!important}.wp .page-livestream .br-4{border-radius:4px}.wp .page-livestream .fz-12{font-size:12px}.wp .page-livestream .light-black{color:rgba(0,0,0,.7)}.wp .page-livestream .bg-white{background-color:#fff}.wp .page-livestream .uppercase{text-transform:uppercase}.wp .page-livestream

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.rebrand-cloud-color{color:#9678ff}.wp .page-livestream .rebrand-platform-color{color:#5d80eb}.wp .page-
livestream .cnfl-input::-webkit-input-placeholder{text-transform:uppercase}.wp .page-livestream .cnfl-input::-
webkit-input-placeholder,.wp .page-livestream .cnfl-input::placeholder{text-transform:uppercase}.wp .page-
livestream .cnfl-input:-moz-placeholder,.wp .page-livestream .cnfl-input:-ms-input-placeholder,.wp .page-livestream
.cnfl-input::-moz-placeholder{text-transform:uppercase}.wp .page-livestream input:valid,.wp .page-livestream
input:valid+.checkmark{border-color:#e2e2e2!important}.wp .page-livestream .cnfl-input{-webkit-
appearance:none;letter-spacing:1px;border:1.1px solid #e2e2e2;padding:10px 0 10px 25px;margin-bottom:5px;font-
size:12px;border-radius:4px;background:#fff;width:100%}.wp .page-livestream .cnfl-input-
wrapper{width:100%;display:inline-block}.wp .page-livestream .cnfl-input-wrapper.cnfl-width-50{width:calc(50%
- 5px)}.wp .page-livestream .cnfl-input-wrapper label{display:none}.wp .page-livestream div.cnfl-select{text-
transform:uppercase;text-align:left;color:rgba(0,0,0,.7);position:relative;padding:0;border-bottom:0;border-bottom-
left-radius:0;border-bottom-right-radius:0}.wp .page-livestream div.cnfl-select>div{padding:0 10px}.wp .page-
livestream div.cnfl-select .options-container{position:absolute;left:-1px;right:-2px;z-
index:9;background:#fff;border-right:1.1px solid #e2e2e2;border-left:1.1px solid #e2e2e2;border-bottom:1.1px solid
#e2e2e2;top:44px;transition:max-height .5s ease-in-out;overflow:hidden;max-height:0;border-bottom-left-
radius:4px;border-bottom-right-radius:4px;border-top-left-radius:0;border-top-right-radius:0}.wp .page-livestream
div.cnfl-select.error .options-container{border-right-color:#df2d58;border-left-color:#df2d58;border-bottom-
color:#df2d58}.wp .page-livestream div.cnfl-select.expanded .options-container{max-height:220px}.wp .page-
livestream div.cnfl-select>div:first-child{padding:10px 0 10px 25px;cursor:pointer}.wp .page-livestream div.cnfl-
select .title-arrow{right:20px;left:auto}.wp .page-livestream div.cnfl-select .option{margin-
bottom:10px;padding:10px 10px 20px;background:#edf0f5;position:relative}.wp .page-livestream div.cnfl-select
.divider{position:absolute;top:-20px;left:50%;-ms-transform:translateX(-50%);transform:translateX(-
50%);border:3px solid #fff;width:30px;height:30px;text-align:center;border-radius:50%;background:#f7f9fc;font-
weight:700;text-transform:uppercase}.wp .page-livestream div.cnfl-select .option ul{display:-ms-
flexbox;display:flex;margin:0;list-style:none;padding:0}.wp .page-livestream div.cnfl-select .option
li{background:#fff;-ms-flex:1 1;flex:1 1;text-align:center;border:1px solid #e3e4e5;border-radius:4px;font-
size:12px;text-transform:uppercase;font-weight:300;letter-spacing:1px;color:#000;margin:0 10px 0 0;padding:10px
0;cursor:pointer}.wp .page-livestream div.cnfl-select .option li:hover{background-
color:rgba(37,123,215,.5);color:#fff;font-weight:500}.wp .page-livestream div.cnfl-select .option
li.selected{background-color:#257bd7;color:#fff;font-weight:500}.wp .page-livestream div.cnfl-select .option
li:last-child{margin-right:0}.wp .page-livestream div.cnfl-select h6{font-size:12px;text-align:center;margin:10px
0;color:#000;font-weight:500}.wp .page-livestream .checkbox-container{display:block;position:relative;padding-
left:35px;margin-bottom:12px;cursor:pointer;-webkit-user-select:none;-moz-user-select:none;-ms-user-
select:none;user-select:none;text-align:left}.wp .page-livestream .embed-form-checkbox{cursor:pointer;line-
height:1.5}.wp .page-livestream .checkbox-container
input{position:absolute;opacity:0;cursor:pointer;height:0;width:0}.wp .page-livestream
.checkmark{position:absolute;top:0;left:0;height:25px;width:25px;border:1.1px solid #e3e4e5;transition:all .2s ease-
in-out}.wp .page-livestream .checkmark:after{content:"";position:absolute;display:none}.wp .page-livestream
.checkbox-container input:checked~.checkmark:after{display:block}.wp .page-livestream .checkbox-container
.checkmark:after{left:9px;top:5px;width:5px;height:10px;border-color:#ff6620;border-style:solid;border-width:0
2px 2px 0;-ms-transform:rotate(45deg);transform:rotate(45deg)}.wp .page-livestream .cnfl-
button{border:none;border-radius:4px;background-color:#ff6620;color:#fff;padding:10px 20px;font-
size:13px;transition:all .3s ease-in-out;display:inline-block;letter-spacing:1px;text-transform:uppercase}.wp .page-
livestream .cnfl-button span{color:#fff}.wp .page-livestream .cnfl-button:hover{-ms-
transform:scale(1.03);transform:scale(1.03);opacity:.6}.wp .page-livestream .cnfl-button-secondary-outline{border-
radius:4px;background-color:#fff;border:1px solid #00004b;color:#00004b;padding:10px 20px;font-size:14px;font-
weight:500}.wp .page-livestream .cnfl-link-item{color:#257bd7}.wp .page-livestream .title-container{text-
align:center}.wp .page-livestream .title-with-line{padding-bottom:0;font-size:50px;font-

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weight:300;position:relative;padding-top:25px}.wp .page-livestream .title-with-line:before{content:"";width:40px;height:.1px;border-style:solid;border-width:2px;border-image-source:linear-gradient(270deg,#80c0ec,#257bd7);border-image-slice:1;background-image:linear-gradient(270deg,#80c0ec,#257bd7);position:absolute;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%);margin-bottom:24px;top:0}.wp .page-livestream .rebrand-h3{font-size:28px;font-weight:300;color:#000;padding:0}.wp .page-livestream .rebrand-h5{font-size:18px;font-weight:700;padding:0}.wp .page-livestream .rebrand-h6{font-size:16px;font-weight:500;color:#2a2a2d}.wp .page-livestream .cnfl .gs-tooltip .tooltip-icon{display:inline-block;position:relative;vertical-align:top}.wp .page-livestream .cnfl .gs-tooltip .tooltip-icon span{border-radius:20px;border:1px solid #8e9093;color:#8e9093;font-family:MarkOT;font-size:12px;padding:0 6px}.wp .page-livestream .cnfl .tooltip-hidden{background:#fff;border:1px solid #eee;box-shadow:0 0 15px 0 rgba(70,152,203,.15);visibility:hidden;position:absolute;top:0;left:-20px;margin:30px 5px 5px;padding:10px;width:300px;z-index:2}.wp .page-livestream .cnfl .gs-tooltip .tooltip-icon:hover .tooltip-hidden{visibility:visible}.wp .page-livestream .cnfl .gs-tooltip .tooltip-hidden:before{content:"";display:block;position:absolute;top:-8px;left:14px;width:0;height:0;border-left:10px solid transparent;border-right:10px solid transparent;border-bottom:10px solid #fff}.wp .page-livestream .cnfl .gs-tooltip{position:relative}.wp .page-livestream .cnfl .tooltiptext{font-size:12px}.wp .page-livestream .cnfl .gs-tooltip .tooltip-icon span{font-size:10px;padding:0 4px}.wp .page-livestream .cnfl .gs-tooltip .tooltip-hidden .tooltiptext{margin-bottom:0}@media screen and (max-width:768px){.wp .page-livestream .title-with-line{line-height:1}}@media screen and (min-width:992px){.wp .page-livestream .cnfl-last-row{margin-bottom:0}}@media screen and (min-width:768px) and (max-width:992px){.wp .page-livestream div.cnfl-select .options-container{overflow-y:scroll}.wp .page-livestream .cnfl-input.cnfl-select span{font-size:10px}}@media screen and (max-width:992px){.wp .page-livestream .cnfl .gs-tooltip .tooltip-hidden.tooltip-push-left{left:-224px}.wp .page-livestream .cnfl .gs-tooltip .tooltip-hidden.tooltip-push-left:before{left:212px}}.wp .oem-program,.wp .verified-program{margin-top:40px}.wp .oem-program li,.wp .oem-program p,.wp .verified-program li,.wp .verified-program p{color:#505050;font-size:16px;line-height:1.63;font-weight:400}.wp .oem-program ul,.wp .verified-program ul{padding:0 0 20px;margin:0 0 20px}.wp .oem-program img,.wp .verified-program img{margin:0}.wp .oem-program .content,.wp .verified-program .content{padding:40px 0}.wp .oem-program .content.bb,.wp .verified-program .content.bb{border-bottom:1px solid #c2c2c2}.wp .oem-program h1,.wp .verified-program h1{color:#fff;font-size:37px;padding:0}.wp .oem-program h2,.wp .verified-program h2{color:#fff;font-size:20px;line-height:1.3;padding:0;margin:20px 0 40px}.wp .oem-program h3,.wp .verified-program h3{color:#454545;font-size:36px;font-weight:400;padding:0;margin:0 0 30px}.wp .oem-program h4,.wp .verified-program h4{color:#505050;font-size:18px;font-weight:700;padding:0;margin:20px 0;line-height:1.2}.wp .oem-program .mb-20,.wp .verified-program .mb-20{margin-bottom:20px}.wp .oem-program #mktoForm_3911 .mktoButton,.wp .oem-program #mktoForm_4028 .mktoButton,.wp .oem-program .button,.wp .verified-program #mktoForm_3911 .mktoButton,.wp .verified-program #mktoForm_4028 .mktoButton,.wp .verified-program .button{display:inline-block;padding:15px 30px;border-radius:8px;text-transform:uppercase;font-size:15px;letter-spacing:1px;font-weight:700;background:#173361;color:#fff;border:2px solid #173361}.wp .oem-program .button:hover,.wp .verified-program .button:hover{background:#fff;color:#173361;border-color:#173361}.wp .oem-program .img-wrapper:not(.non-icon),.wp .verified-program .img-wrapper:not(.non-icon){height:95px}.wp .oem-program .img-wrapper img,.wp .verified-program .img-wrapper img{margin:0;width:auto;height:100%;position:relative;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%)}.wp .oem-program .img-wrapper .infographic,.wp .verified-program .img-wrapper .infographic{background-position:50%;background-repeat:no-repeat}.wp .oem-program .img-wrapper .infographic1,.wp .verified-program .img-wrapper .infographic1{background-image:url(https://cdn.confluent.io/wp-content/themes/confluent/assets/images/verified-integration-program/infographic1.png);height:318px;background-size:contain}.wp .oem-program .img-wrapper .infographic2,.wp .verified-program .img-wrapper .infographic2{background-image:url(https://cdn.confluent.io/wp-content/themes/confluent/assets/images/verified-integration-program/infographic2.png);height:466px;background-size:contain}@media (-webkit-min-device-pixel-

ratio:2),(min-resolution:192dpi){.wp .oem-program .img-wrapper .infographic1,.wp .verified-program .img-wrapper .infographic1 {background-image:url(https://cdn.confluent.io/wp-content/themes/confluent/assets/images/verified-integration-program/infographic1_2x.png)}.wp .oem-program .img-wrapper .infographic2,.wp .verified-program .img-wrapper .infographic2{background-image:url(https://cdn.confluent.io/wp-content/themes/confluent/assets/images/verified-integration-program/infographic2_2x.png)}}.wp .oem-program .content-info .row,.wp .verified-program .content-info .row{display:-ms-flexbox;display:flex;-ms-flex-direction:row;flex-direction:row}.wp .oem-program .content-info.content-reverse .row,.wp .verified-program .content-info.content-reverse .row{-ms-flex-direction:row-reverse;flex-direction:row-reverse}.wp .oem-program #mktoForm_3911,.wp .oem-program #mktoForm_4028,.wp .verified-program #mktoForm_3911,.wp .verified-program #mktoForm_4028{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap}.wp .oem-program #mktoForm_3911 .mktoFormRow,.wp .oem-program #mktoForm_4028 .mktoFormRow,.wp .verified-program #mktoForm_3911 .mktoFormRow,.wp .verified-program #mktoForm_4028 .mktoFormRow{-ms-flex:1 0 48%;flex:1 0 48%;margin-bottom:20px;margin-right:2%;background:none}.wp .oem-program #mktoForm_3911 .mktoButtonRow,.wp .oem-program #mktoForm_4028 .mktoButtonRow,.wp .verified-program #mktoForm_3911 .mktoButtonRow,.wp .verified-program #mktoForm_4028 .mktoButtonRow{position:absolute;bottom:0;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%)}.wp .oem-program .connector>div:first-child,.wp .verified-program .connector>div:first-child{height:230px}.wp .oem-program .verified-connectors a,.wp .verified-program .verified-connectors a{display:inline-block;margin:0 20px 20px 0;max-width:150px}.wp .oem-program .verified-connectors .img-wrapper,.wp .verified-program .verified-connectors .img-wrapper{text-align:center}.wp .oem-program .connector-benefit .blurb h4,.wp .verified-program .connector-benefit .blurb h4{height:45px}.wp .oem-program .connector-benefit .blurb p,.wp .verified-program .connector-benefit .blurb p{height:130px}@media (min-width:768px) and (max-width:1199px){.wp .oem-program .connector-benefit .blurb p,.wp .verified-program .connector-benefit .blurb p{height:85px}}@media (max-width:767px){.wp .oem-program .blurb h4,.wp .oem-program .blurb p,.wp .verified-program .blurb h4,.wp .verified-program .blurb p{height:auto!important}.wp .oem-program .blurb p,.wp .verified-program .blurb p{margin-bottom:40px!important}.wp .oem-program .connector-benefit img,.wp .oem-program .verification-process img,.wp .verified-program .connector-benefit img,.wp .verified-program .verification-process img{position:relative;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%)}.wp .oem-program .blurb,.wp .verified-program .blurb{text-align:center}.wp .oem-program .connector>div:first-child,.wp .verified-program .connector>div:first-child{height:auto;margin-bottom:40px}}@media (max-width:991px){.wp .oem-program #mktoForm_3911 .mktoFormRow,.wp .oem-program #mktoForm_4028 .mktoFormRow,.wp .verified-program #mktoForm_3911 .mktoFormRow,.wp .verified-program #mktoForm_4028 .mktoFormRow{-ms-flex-preferred-size:100%;flex-basis:100%}.wp .oem-program #mktoForm_3911 .mktoButtonRow,.wp .oem-program #mktoForm_4028 .mktoButtonRow,.wp .verified-program #mktoForm_3911 .mktoButtonRow,.wp .verified-program #mktoForm_4028 .mktoButtonRow{bottom:75px}.wp .oem-program .button-wrapper,.wp .verified-program .button-wrapper{text-align:center;margin-bottom:20px}.wp .oem-program .content,.wp .verified-program .content{padding:0 0 20px}.wp .oem-program .content-info .row,.wp .verified-program .content-info .row{-ms-flex-direction:column-reverse;flex-direction:column-reverse;-ms-flex-pack:center;justify-content:center}.wp .oem-program .content-info.content-reverse .row,.wp .verified-program .content-info.content-reverse .row{-ms-flex-direction:column;flex-direction:column}.wp .oem-program .content.bb,.wp .oem-program .img-wrapper.non-icon,.wp .verified-program .content.bb,.wp .verified-program .img-wrapper.non-icon{margin-bottom:40px}}.wp .oem-program #sign-up{margin-bottom:40px}@media (max-width:991px){.wp .oem-program .content{padding:0 0 20px}}.wp .verified-program .img-wrapper.non-icon img{height:auto}.solutions-module--container--2CFNs section.solutions-module--grid2--3MgK5 ul.items,.solutions-module--container--2CFNs section.solutions-module--grid3--3Zuny ul.items,.solutions-module--container--2CFNs section.solutions-module--grid4--3Liba ul.items{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between}.solutions-module--container--2CFNs section.solutions-module--grid2--3MgK5 ul.items>li{background-color:#e6f5fb;width:100%}.solutions-module--container--2CFNs section.solutions-module--grid2--3MgK5 ul.items>li h3,.solutions-module--container--

2CFNs section.solutions-module--grid2--3MgK5 ul.items>li li{color:#173361}@media screen and (min-width:760px){.solutions-module--container--2CFNs section.solutions-module--grid2--3MgK5 ul.items>li{width:49%}}.solutions-module--container--2CFNs section.solutions-module--grid3--3Zuny ul.items>li{width:100%}@media screen and (min-width:640px){.solutions-module--container--2CFNs section.solutions-module--grid3--3Zuny ul.items>li{width:33%}}.solutions-module--container--2CFNs section.solutions-module--grid4--3Iiba ul.items>li{width:100%}@media screen and (min-width:992px){.solutions-module--container--2CFNs section.solutions-module--grid4--3Iiba ul.items>li{-ms-flex:1 1;flex:1 1}}@media screen and (min-width:480px){.solutions-module--container--2CFNs section.solutions-module--grid4--3Iiba ul.items>li{width:49%}}.solutions-module--container--2CFNs li svg{margin-bottom:40px;width:60px;height:60px}.wp .stay-in-touch-wrapper .contact_form_section{padding:80px 0}.wp .stay-in-touch-wrapper .contact_form_section .container{max-width:500px;text-align:left}.wp .stay-in-touch-wrapper .stay-in-touch-input{width:100%;font-family:MarkOT;font-weight:400;border:0;font-size:16px;outline:0;line-height:1.3;padding:20px !important;color:#999;border-bottom:1px solid #a7a7a8;background:#f6f6f6 !important;border:#a7a7a8 !important;box-shadow:none !important}.wp .stay-in-touch-wrapper .stay-in-touch-input:first-of-type{border-bottom:1px solid #a7a7a8 !important}.wp .stay-in-touch-wrapper .stay-in-touch-button{background:#4597cb;color:#fff;border:0;width:100%;padding:15px 20px}.wp .stay-in-touch-wrapper .stay-in-touch-button div{text-align:center}.subscribe-to-sub-processor-updates-module--page--2vBIP .section.subscribe-to-sub-processor-updates-module--form--2Us-Y{min-height:408px}.subscribe-to-sub-processor-updates-module--page--2vBIP .subscribe-to-sub-processor-updates-module--thankyou--2NBgk{position:absolute;top:50%;left:50%;-ms-transform:translate(-50%,-50%);transform:translate(-50%,-50%);transition:all .3s ease;font-size:18px}.style-module--container--o7cqV .image-animation{border-radius:8px}.style-module--container--o7cqV .cta-links-section{padding-top:30px}.style-module--container--o7cqV .cta-links-section .style-module--title--1SscH p{margin-bottom:2px}.style-module--container--o7cqV .style-module--ctaWrap--w3EQ9{padding-top:0}.style-module--row--21104{position:relative}.style-module--ctaLinksSection--6nbxU{padding:80px 0;background:#fafafa}.style-module--colSm3--3LKvo{left:auto !important;right:0 !important;width:35% !important}.style-module--colSm3--3LKvo img{max-width:100% !important}.style-module--imageWrapper--1hLWR{position:relative}.style-module--imageWrapper--1hLWR .play_btn{left:50% !important;top:50% !important;-ms-transform:translate(-50%,-30%);transform:translate(-50%,-30%);margin-left:0 !important;margin-top:0 !important}.style-module--formCloudSignUpModal--1AQ3A .style-module--thankyou--32jb6{font-weight:500;margin-top:20px;text-align:center}.style-module--formCloudSignUpModal--1AQ3A .style-module--content--2KGwt{text-align:center}.style-module--formCloudSignUpModal--1AQ3A .style-module--content--2KGwt h4{display:inline-block;font-size:20px;color:#8e9093;padding:0;line-height:52px;font-weight:500}.style-module--formCloudSignUpModal--1AQ3A .style-module--content--2KGwt>p,.style-module--formCloudSignUpModal--1AQ3A .style-module--content--2KGwt h6{font-size:16px}.style-module--formCloudSignUpModal--1AQ3A .style-module--content--2KGwt .style-module--formContainer--hGadi form{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between}.style-module--formCloudSignUpModal--1AQ3A .style-module--content--2KGwt .style-module--formContainer--hGadi form .style-module--buttonContainer--pKinf{width:100%;margin:20px 0}.style-module--formCloudSignUpModal--1AQ3A .style-module--content--2KGwt .style-module--formContainer--hGadi form>input{width:49%}@media screen and (max-width:992px){.style-module--formCloudSignUpModal--1AQ3A .style-module--content--2KGwt .style-module--formContainer--hGadi form>input{width:100%}}.style-module--checkboxWrapper--3sEqj{position:relative;width:100%;margin-top:20px;color:rgba(0,0,0,.7);text-align:left}.style-module--checkboxWrapper--3sEqj input{position:absolute;opacity:0;cursor:pointer;height:0;width:0}.style-module--checkboxWrapper--3sEqj label{cursor:pointer;padding-left:30px}.style-module--checkboxWrapper--3sEqj .style-module--checkboxContainer--1foY9{display:block;position:relative;padding-left:35px;margin-top:12px;-webkit-user-select:none;-moz-user-select:none;-ms-user-select:none;user-select:none}.style-module--errorContainer--3beGu{position:absolute;top:0;border:1px solid #df2d58;font-size:14px;padding:15px

50px;width:100%;background-color:#fff;transition:all .2s ease-in-out;opacity:0;visibility:hidden;border-radius:4px;text-align:center;z-index:10}.style-module--errorContainer--3beGu p{text-align:center;font-size:13px;color:#df2d58}.style-module--errorContainer--3beGu.style-module--show--3nUPD{opacity:1;visibility:visible}.style-module--existingAccount--3qZ8p{margin-bottom:20px}.style-module--existingAccount--3qZ8p a{letter-spacing:1px;margin-right:0;font-weight:500;color:#257bd7;font-size:12px}.style-module--tos--2owUx{font-size:12px}.style-module--tos--2owUx p{font-size:12px;width:80%;line-height:1.4;color:rgba(0,0,0,.7);text-align:justify;margin:auto auto 15px}.style-module--tosUS--FgYmU,.style-module--us--1yRJm .style-module--tos--2owUx{display:none}.style-module--us--1yRJm .style-module--tosUS--FgYmU{display:block}.modal-is-visible .style-module--formCloudSignUpModal--1AQ3A.style-module--show--3nUPD{top:50%;left:50%;-ms-transform:translate(-50%,-50%);transform:translate(-50%,-50%)}.style-module--form--3BUsB .mktoFormRow:nth-child(13) .mktoFieldWrap,.style-module--form--3BUsB .mktoFormRow:nth-child(15) .mktoFieldWrap{display:-ms-flexbox;display:flex;-ms-flex-direction:row-reverse;flex-direction:row-reverse;-ms-flex-align:center;align-items:center}.style-module--form--3BUsB .mktoFormRow:nth-child(13) .mktoFieldWrap label,.style-module--form--3BUsB .mktoFormRow:nth-child(15) .mktoFieldWrap label{display:block;-ms-flex:1 1;flex:1 1}.style-module--form--3BUsB .mktoFormRow:nth-child(13) .mktoFieldWrap .mktoCheckboxList,.style-module--form--3BUsB .mktoFormRow:nth-child(15) .mktoFieldWrap .mktoCheckboxList{width:25px!important;margin-right:10px;padding:5px 0}.style-module--form--3BUsB .mktoForm input[type=checkbox]+label:before{border:1px solid #173361;border-radius:2px;-webkit-appearance:none;-moz-appearance:none;appearance:none;height:14px;width:14px;outline:0;box-shadow:none}.style-module--form--3BUsB .mktoForm input[type=checkbox]:checked+label:before{background:#173361}.style-module--wp--1dpxq{-webkit-appearance:none;letter-spacing:1px;border:1.1px solid #ecef2;padding:10px 0 10px 25px;margin-bottom:5px;font-size:12px;font-weight:400;border-radius:4px;background:#fff;box-shadow:none;line-height:inherit;width:100%}.style-module--wp--1dpxq.style-module--error--2WcVI{border:1px solid #df2d58}.style-module--sectionContent--3CzBg{background-color:transparent;border-radius:8px;background:hsla(0,0%,96.1%,.85);text-align:center;padding:100px 0;margin:0 25px 25px}@media screen and (max-width:767px){.style-module--sectionContent--3CzBg{border-radius:0;margin-left:0;margin-right:0;padding-top:50px;padding-bottom:50px}}.style-module--sectionContent--3CzBg:last-child{margin-bottom:0}.style-module--sectionContent--3CzBg.style-module--robinsEgg--1TK5a{background:#b4e1e4}.style-module--sectionContent--3CzBg.style-module--ice--kDgc2{background:#e6f5fb}.style-module--sectionContent--3CzBg .style-module--contentContainer--NXLbe{margin:0 auto;max-width:1170px;padding-left:15px;padding-right:15px;width:100%}@media screen and (min-width:768px) and (max-width:991px){.style-module--sectionContent--3CzBg .style-module--contentContainer--NXLbe.style-module--noBackground--2v_Ea{padding-left:0;padding-right:0}}@media screen and (min-width:992px) and (max-width:1199px){.style-module--sectionContent--3CzBg .style-module--contentContainer--NXLbe.style-module--noBackground--2v_Ea{padding-left:0;padding-right:0}}.style-module--sectionContent--3CzBg .style-module--svg--1POTp{width:40px}.style-module--sectionContent--3CzBg .style-module--paragraph--3Uuc4{width:35%;margin:0 auto;line-height:1.63;color:#000;font-size:18px;font-weight:300}.style-module--sectionContent--3CzBg .style-module--title--1sbHU{text-align:center;margin-bottom:50px}.style-module--sectionContent--3CzBg .style-module--title--1sbHU h3{color:#000;font-size:28px;font-weight:500;padding:0}.style-module--sectionContent--3CzBg .style-module--ctaContainer--MtFCh{margin:100px auto 0;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}@media screen and (max-width:575px){.style-module--sectionContent--3CzBg .style-module--ctaContainer--MtFCh{-ms-flex-direction:column;flex-direction:column;-ms-flex-align:center;align-items:center}}.style-module--sectionContent--3CzBg .style-module--ctaContainer--MtFCh>:not(:first-child){margin-left:20px}@media screen and (max-width:575px){.style-module--sectionContent--3CzBg .style-module--ctaContainer--MtFCh>:not(:first-child){margin-top:20px;margin-left:0}}@media (max-width:768px){.style-module--sectionContent--3CzBg .style-module--paragraph--3Uuc4{width:90%}.style-module--sectionContent--3CzBg h2{line-height:1}}.rules-of-engagement-module--codeOfConduct--1_ejT p{font-

weight:700;font-size:18px}.rules-of-engagement-module--sectionSummary--1qeSs{margin-bottom:100px}.rules-of-engagement-module--wrapper--1eCh6{border:2px solid hsla(0,0%,96.1%,.85);border-radius:8px;padding:20px;text-align:left;margin:10px 0}.rules-of-engagement-module--wrapper--1eCh6 div,.rules-of-engagement-module--wrapper--1eCh6 h4,.rules-of-engagement-module--wrapper--1eCh6 li,.rules-of-engagement-module--wrapper--1eCh6 ul{margin:20px 0}.rules-of-engagement-module--wrapper--1eCh6 h4{color:#173361;font-weight:700}.rules-of-engagement-module--disclaimer--Blzoi{font-weight:700}.rules-of-engagement-module--disclaimer--Blzoi span{color:#d8365d}.confluent-cloud-faqs-module--faqSection--3V0x1,.startup-program-faq-module--faqSection--142Xk{padding-top:25px}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt{color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;text-align:left}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt ul{list-style:none;margin:0;padding:0}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt ul li:not(:last-child){margin-bottom:30px}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt h4{color:#b78142;font-size:18px;font-weight:700;margin-bottom:20px}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt h5{color:#000;font-size:12px;font-weight:500;letter-spacing:1.2px;line-height:24px;margin:0;text-transform:uppercase}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt strong{display:block}@media screen and (max-width:767px){.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--desktop--1me3a{display:none}}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--desktop--1me3a .support-module--row--1za5f{display:-ms-flexbox;display:flex}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--desktop--1me3a .support-module--row--1za5f:not(:first-child){border-top:2px solid hsla(0,0%,96.1%,.85)}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--desktop--1me3a .support-module--row--1za5f:not(:first-child):last-child{border-bottom:2px solid hsla(0,0%,96.1%,.85)}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--desktop--1me3a .support-module--row--1za5f:not(:first-child)>div:first-child{border-left:2px solid hsla(0,0%,96.1%,.85)}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--desktop--1me3a .support-module--row--1za5f:not(:first-child)>div:last-child{border-right:2px solid hsla(0,0%,96.1%,.85)}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--desktop--1me3a .support-module--row--1za5f>div{padding:20px 10px;width:20%}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--desktop--1me3a .support-module--row--1za5f>div:nth-child(2){width:14%}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--desktop--1me3a .support-module--row--1za5f>div:nth-child(3),.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--desktop--1me3a .support-module--row--1za5f>div:nth-child(4),.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--desktop--1me3a .support-module--row--1za5f>div:nth-child(5){width:22%}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--mobile--nieXi{display:none;text-align:center}@media screen and (max-width:767px){.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--mobile--nieXi{display:block}}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--mobile--nieXi h4{font-size:24px}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--mobile--nieXi .support-module--tier--3WH2D .support-module--row--1za5f{border-bottom:2px solid hsla(0,0%,96.1%,.85);padding:40px 0 20px}.support-module--page--dS7DG

.support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--mobile--nieXi .support-module--tier--3WH2D .support-module--row--1za5f:last-child{border-bottom-width:7px} .support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--mobile--nieXi .support-module--tier--3WH2D .support-module--row--1za5f>div:first-child{margin-bottom:20px} .support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 h2{margin-bottom:50px} .support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt p{color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0} .support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt>p{margin-bottom:80px} .support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt .support-module--options--3Jk8i{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between} .support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt .support-module--options--3Jk8i .support-module--option--Tw8U2{background:#fff;display:-ms-flexbox;display:flex;margin:0 0 10px;padding:50px 30px;text-align:left;width:calc(50% - 5px);-ms-flex:none!important;flex:none!important}@media screen and (max-width:767px){.support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt .support-module--options--3Jk8i .support-module--option--Tw8U2{width:100%}} .support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt .support-module--options--3Jk8i .support-module--option--Tw8U2 .support-module--itemContainer--_ZvPa>div:first-child{margin-right:20px;width:30px} .support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt .support-module--options--3Jk8i .support-module--option--Tw8U2 .support-module--itemContainer--_ZvPa>div:first-child svg{width:100%} .support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt .support-module--options--3Jk8i .support-module--option--Tw8U2 .support-module--itemContainer--_ZvPa>div:last-child{-ms-flex:1 1;flex:1 1} .support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt .support-module--options--3Jk8i .support-module--option--Tw8U2 .support-module--itemContainer--_ZvPa>div:last-child h4{margin:0 0 15px} .support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt .support-module--options--3Jk8i .support-module--option--Tw8U2 .support-module--itemContainer--_ZvPa>div:last-child h4 a{color:#000;font-size:18px;font-weight:700} .covid-19-faq-module--page--110ut .covid-19-faq-module--hero--1wWkF .covid-19-faq-module--content--17_we{width:90%} .covid-19-faq-module--page--110ut .covid-19-faq-module--hero--1wWkF .covid-19-faq-module--content--17_we p{color:#000;margin-top:50px} .covid-19-faq-module--page--110ut .covid-19-faq-module--introSection--30To6{color:#000;font-size:14px;font-weight:300;text-align:left;padding-bottom:0} .covid-19-faq-module--page--110ut .covid-19-faq-module--introSection--30To6 li{margin:20px 0} .covid-19-faq-module--page--110ut .covid-19-faq-module--faqSection--AjKdN{text-align:left} .covid-19-faq-module--page--110ut .covid-19-faq-module--faqSection--AjKdN .covid-19-faq-module--content--17_we{margin-bottom:50px} .covid-19-faq-module--page--110ut .covid-19-faq-module--faqSection--AjKdN .covid-19-faq-module--content--17_we h4{color:#173361;font-size:18px;font-weight:700} .covid-19-faq-module--page--110ut .covid-19-faq-module--faqSection--AjKdN .covid-19-faq-module--content--17_we p{color:#000;font-size:14px;font-weight:300} .request-kafka-tco-assessment-module--formSection--64K9s h3,.request-kafka-tco-assessment-module--formSection--64K9s p,.request-kafka-tco-assessment-module--formSection--64K9s ul{color:#173361;font-weight:700;font-size:18px} .request-kafka-tco-assessment-module--formSection--64K9s h3{width:60%;font-weight:500;font-size:28px;margin:0 auto 50px} .request-kafka-tco-assessment-module--formSection--64K9s p,.request-kafka-tco-assessment-module--formSection--64K9s ul{list-style:none} .request-kafka-tco-assessment-module--formSection--64K9s .request-kafka-tco-assessment-module--formContainer--3noww{width:800px;max-width:95%;margin:25px auto}@media screen and (min-width:768px){.request-kafka-tco-assessment-module--formSection--64K9s .request-kafka-tco-assessment-module--formContainer--3noww{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap}} .request-kafka-tco-assessment-module--formSection--

64K9s .request-kafka-tco-assessment-module--formContainer--3noww .request-kafka-tco-assessment-module--select--gaxw,.request-kafka-tco-assessment-module--formSection--64K9s .request-kafka-tco-assessment-module--formContainer--3noww input{ width:100%;margin:5px 0 } @media screen and (min-width:768px){ .request-kafka-tco-assessment-module--formSection--64K9s .request-kafka-tco-assessment-module--formContainer--3noww .request-kafka-tco-assessment-module--select--gaxw,.request-kafka-tco-assessment-module--formSection--64K9s .request-kafka-tco-assessment-module--formContainer--3noww input{ width:calc(50% - 10px);margin:5px } } .request-kafka-tco-assessment-module--formSection--64K9s .request-kafka-tco-assessment-module--formContainer--3noww .request-kafka-tco-assessment-module--select--gaxw:last-of-type{ width:100%;margin-bottom:25px } .request-kafka-tco-assessment-module--formSection--64K9s .request-kafka-tco-assessment-module--thankYou--2eESF{ margin-top:50px;font-size:24px } .style-module--postItem--3UA1F{ display:-ms-flexbox;display:flex;-ms-flex-align:start;align-items:flex-start;margin-bottom:65px;text-align:left } @media screen and (max-width:767px){ .style-module--postItem--3UA1F{ -ms-flex-direction:column;flex-direction:column } } .style-module--postItem--3UA1F ul{ list-style:none;padding:0;margin:0 } .style-module--postItem--3UA1F .style-module--protected--2LnYL h2:before{ content:"\1F512" } .style-module--postItem--3UA1F .style-module--imageContainer--1coFo{ margin-right:55px;max-width:378px;width:100% } .style-module--postItem--3UA1F .style-module--imageContainer--1coFo img{ width:100% } .style-module--postItem--3UA1F .style-module--content--2cWa9{-ms-flex:1 1;flex:1 1 } .style-module--postItem--3UA1F .style-module--content--2cWa9 h2{ margin:10px 0 20px } .style-module--postItem--3UA1F .style-module--content--2cWa9 h2 a{ color:#0074a2;font-size:18px;font-weight:700 } .style-module--postItem--3UA1F .style-module--content--2cWa9 .style-module--metadata--dt9Hb{ color:#0074a2;font-size:14px;font-weight:500;margin-bottom:10px;display:-ms-flexbox;display:flex;-ms-flex-pack:start;justify-content:flex-start;-ms-flex-wrap:wrap;flex-wrap:wrap } .style-module--postItem--3UA1F .style-module--content--2cWa9 .style-module--metadata--dt9Hb time{ color:rgba(0,0,0,.85);font-weight:300;margin-right:10px } .style-module--postItem--3UA1F .style-module--content--2cWa9 .style-module--metadata--dt9Hb .style-module--tagContainer--3Xdt8 li{ display:inline-block } .style-module--postItem--3UA1F .style-module--content--2cWa9 .style-module--metadata--dt9Hb .style-module--tagContainer--3Xdt8 li:not(:last-child):after{ content:" ";margin-right:2px } .style-module--postItem--3UA1F .style-module--content--2cWa9 .style-module--metadata--dt9Hb .style-module--tagContainer--3Xdt8 li a{ color:#0074a2 } .style-module--postItem--3UA1F .style-module--content--2cWa9 .style-module--summary--2CPjk{ color:rgba(0,0,0,.85);font-size:16px;font-weight:400;line-height:1.79 } .style-module--listHeader--2FIuN{ display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-align:center;align-items:center;margin-bottom:40px } @media screen and (max-width:767px){ .style-module--listHeader--2FIuN{ -ms-flex-direction:column;flex-direction:column } } .style-module--listHeader--2FIuN .style-module--categorySelector--fjNB4{ position:relative } @media screen and (max-width:767px){ .style-module--listHeader--2FIuN .style-module--categorySelector--fjNB4{ margin-bottom:15px } } .style-module--listHeader--2FIuN .style-module--categorySelector--fjNB4:after{ position:absolute;top:12px;right:13px;content:"";display:inline-block;-ms-transform:rotate(135deg);transform:rotate(135deg);height:12px;width:12px;border-color:#0074a2;border-style:solid;border-width:2px 2px 0 0 } .style-module--listHeader--2FIuN .style-module--categorySelector--fjNB4 select{ color:#173361;width:240px;padding:8px;height:40px;border:1px solid #173361;outline:0;border-radius:6px;background-color:#fff;-webkit-appearance:none;-moz-appearance:none;appearance:none;cursor:pointer } .style-module--listHeader--2FIuN .style-module--buttonContainer--2bc55>:first-child{ margin-right:10px } .style-module--searchResultHeader--3ERwZ{ margin-bottom:25px;text-align:left } .style-module--bottomBannerSection--3t8WQ{ background:hsla(0,0%,96.1%,.85) } @media print{ .style-module--bottomBannerSection--3t8WQ{ display:none } } .style-module--bottomBannerSection--3t8WQ .style-module--content--2cWa9 p{ color:#173361;font-size:28px;font-weight:500 } .style-module--bottomBannerSection--3t8WQ .style-module--content--2cWa9+div{ margin:45px 0 0 } .style-module--authors--3Ppc_{ list-style:none;padding:0;margin:0;display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap } .style-module--authors--3Ppc_ .style-module--author--

2AFBY {margin:10px 20px 0 0}.style-module--authors--3Ppc_ .style-module--author--2AFBY
 a {color:#173361;font-size:12px;font-weight:500;line-height:2.67;letter-spacing:2px;text-
 transform:uppercase}.style-module--authors--3Ppc_ .style-module--author--2AFBY
 img {width:55px;height:55px;border-radius:50%;border:1px solid #979797;margin-right:10px}.style-module--
 authors--3Ppc_ .style-module--author--2AFBY li {display:inline-block;margin-right:20px;margin-
 bottom:15px}@media print { .style-module--relatedPostSection--2BQQq {display:none} }.style-module--
 relatedPostSection--2BQQq .style-module--content--2cWa9 {display:-ms-flexbox;display:flex;-ms-flex-
 pack:justify;justify-content:space-between}@media screen and (max-width:767px) { .style-module--
 relatedPostSection--2BQQq .style-module--content--2cWa9 {-ms-flex-direction:column;flex-
 direction:column} }.style-module--relatedPostSection--2BQQq .style-module--content--2cWa9 .style-module--post--
 FIMvV {-ms-flex:1 1;flex:1 1;margin-right:20px;margin-bottom:20px;text-align:left;display:-ms-
 flexbox;display:flex;-ms-flex-direction:column;flex-direction:column}.style-module--relatedPostSection--2BQQq
 .style-module--content--2cWa9 .style-module--post--FIMvV:last-child {margin-right:0}.style-module--
 relatedPostSection--2BQQq .style-module--content--2cWa9 .style-module--post--FIMvV img {max-
 height:200px}.style-module--relatedPostSection--2BQQq .style-module--content--2cWa9 .style-module--post--
 FIMvV h3 a {color:rgba(0,0,0,.85);font-size:18px;font-weight:700;letter-spacing:normal}.style-module--
 relatedPostSection--2BQQq .style-module--content--2cWa9 .style-module--post--FIMvV .style-module--summary--
 2CPjk {margin-bottom:20px;color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-
 spacing:0}.style-module--relatedPostSection--2BQQq .style-module--content--2cWa9 .style-module--post--FIMvV
 .style-module--author--2AFBY {display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;margin-
 bottom:20px}.style-module--relatedPostSection--2BQQq .style-module--content--2cWa9 .style-module--post--
 FIMvV .style-module--metadata--dt9Hb {margin:auto 0 0}.style-module--sharePostSection--3GHmv {padding-
 top:0}@media print { .style-module--sharePostSection--3GHmv {display:none} }.style-module--sharePostSection--
 3GHmv h2 {color:rgba(0,0,0,.85);font-size:28px;font-weight:500;margin:0 0 30px}@media screen and (max-
 width:767px) { .style-module--sharePostSection--3GHmv h2 {font-size:21px} }.style-module--sharePostSection--
 3GHmv .style-module--shareContainer--2JWTe {display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-
 content:center}.style-module--sharePostSection--3GHmv .style-module--shareContainer--2JWTe>div: hover
 svg {opacity:.5}.style-module--sharePostSection--3GHmv .style-module--shareContainer--2JWTe>div:nth-of-
 type(2) {margin:0 40px}.style-module--summary--2CPjk p:after {content:" [...]"} .style-module--blogList--2d8qC
 .style-module--bannerSection--1hj1f {background:hsla(0,0%,96.1%,.85);padding:30px 0;color:rgba(0,0,0,.85);font-
 size:14px;font-weight:300}.style-module--blogList--2d8qC .style-module--bannerSection--1hj1f
 a {color:#0074a2;font-weight:500}.style-module--blogList--2d8qC .style-module--mainSection--3uX12 {padding-
 top:20px}.style-module--blogList--2d8qC .style-module--sectionBottomBanner--
 3Hesn {background:#b4e1e4}.style-module--blogList--2d8qC .style-module--sectionBottomBanner--3Hesn p {line-
 height:1.4;max-width:52rem;margin:0 auto}@media screen and (max-width:767px) { .style-module--blogList--
 2d8qC .style-module--sectionBottomBanner--3Hesn p {max-width:none} }.style-module--blogPost--1pOcN.style-
 module--protected--1y8oU .style-module--heroSection--eUZVN h1:before {content:"\1F512"}.style-module--
 blogPost--1pOcN .style-module--heroSection--eUZVN {background-color:#e6f5fb}.style-module--blogPost--1pOcN
 .style-module--mainSection--3uX12 {text-align:left;padding-top:0;max-width:780px;margin:0 auto}.style-module--
 blogPost--1pOcN .style-module--mainSection--3uX12 .cflt-pp img {border-radius:50%;margin:0}.style-module--
 blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj {display:-ms-
 flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-align:start;align-items:flex-
 start;text-transform:uppercase;margin:30px 0;-ms-flex-wrap:wrap;flex-wrap:wrap;border-bottom:2px solid
 rgba(130,148,148,.25)}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--
 metadata--3fkLj .style-module--author--msXYT {display:-ms-flexbox;display:flex;-ms-flex:1 1;flex:1 1;-ms-flex-
 wrap:wrap;flex-wrap:wrap}@media screen and (max-width:575px) { .style-module--blogPost--1pOcN .style-
 module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--author--msXYT {-ms-flex-
 direction:column;flex-direction:column} }.style-module--blogPost--1pOcN .style-module--mainSection--3uX12

.style-module--metadata--3fkLj .style-module--author--msXYT .cflt-bio{display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;margin-right:20px;margin-bottom:20px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--author--msXYT .cflt-bio a{color:#000;font-size:12px;font-weight:500;line-height:2.67;letter-spacing:2px;line-height:1}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--author--msXYT .cflt-bio .cflt-pp{margin-right:10px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--author--msXYT .cflt-bio .cflt-pp img{height:45px;width:45px}@media screen and (max-width:767px){.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--author--msXYT .cflt-bio .cflt-pp img{height:25px;width:25px}}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--right--202Fi{display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;-ms-flex-wrap:wrap;flex-wrap:wrap}@media screen and (max-width:767px){.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--right--202Fi{display:none}}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--right--202Fi svg{margin-left:35px;height:30px;width:30px;cursor:pointer}@media print{.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--right--202Fi svg{display:none}}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--date--24xyw{color:#829494;font-size:12px;font-weight:500;line-height:2.67;letter-spacing:2px;display:block;margin-bottom:10px;text-transform:uppercase}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje{position:relative;color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje pre{padding:30px 10px 20px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje a{color:#257bd7}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje sup{top:-2px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje img{max-width:100%;margin:10px auto;display:block}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje img.alignleft{float:left;margin-right:10px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje img.alignright{float:right;margin-left:10px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h2{color:#000;font-size:28px;font-weight:500}@media screen and (max-width:767px){.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h2{font-size:21px}}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h3{color:#000;font-size:21px;font-weight:500;line-height:27px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h2.style-module--bookmarkable--Vemwc .style-module--bookmark--1S0Xm,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h3.style-module--bookmarkable--Vemwc .style-module--bookmark--1S0Xm,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h4.style-module--bookmarkable--Vemwc .style-module--bookmark--1S0Xm,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h5.style-module--bookmarkable--Vemwc .style-module--bookmark--1S0Xm,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h6.style-module--bookmarkable--Vemwc .style-module--bookmark--1S0Xm{display:none;font-size:14px;margin-left:5px;vertical-align:middle;text-decoration:none}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h2.style-module--bookmarkable--Vemwc:hover .style-module--bookmark--1S0Xm,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h3.style-module--bookmarkable--Vemwc:hover .style-module--bookmark--1S0Xm,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h4.style-module--bookmarkable--Vemwc:hover .style-module--bookmark--1S0Xm,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h5.style-module--bookmarkable--Vemwc:hover .style-module--bookmark--1S0Xm,.style-module--blogPost--1pOcN .style-module--mainSection--

3uX12 .style-module--content--3iWje h6.style-module--bookmarkable--Vemwc:hover .style-module--bookmark--1S0Xm{display:inline-block}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje iframe{max-width:100%}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje p{margin-bottom:20px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje div>ol li,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje div>ol span:not(.embed-gist),.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje div>p,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje div>ul li,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje div>ul span:not(.embed-gist){color:#000!important;font-size:16px;font-weight:300}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje blockquote h4{line-height:inherit;font-size:16px;font-weight:400}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje blockquote br{display:none}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje blockquote em{font-size:20px;display:block}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje blockquote span{display:block;margin-top:10px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .style-module--copy--YJWu8{position:absolute:right:0}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .style-module--copy--YJWu8 i{cursor:pointer;position:relative;top:5px:right:8px;z-index:10;font-size:16px;opacity:.7}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .style-module--copy--YJWu8 i:hover{opacity:1}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje li .style-module--copy--YJWu8 i{top:30px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje li p+.style-module--copy--YJWu8 i{top:5px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .style-module--tableWrapper--3giJw{width:100%}@media screen and (max-width:767px){.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .style-module--tableWrapper--3giJw{overflow:scroll}}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .download_blue.rounded_button,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .orange_button{transition:all .5s ease-in-out;transition:all .5s cubic-bezier(.785,.135,.15,.86);border-radius:6px;display:inline-block;font-size:12px;font-weight:700;letter-spacing:.9px;line-height:1.5;padding:12px 30px;text-align:center;text-decoration:none;text-transform:uppercase;background-color:transparent;border:1px solid #173361;color:#173361;color:#173361!important}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .download_blue.rounded_button:hover,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .orange_button:hover{cursor:pointer;text-decoration:none}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .image-caption{display:block;font-size:14px;font-style:italic;font-weight:400;text-align:center}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .cflt-bio{border-top:2px solid hsla(0,0%,96.1%,.85);border-bottom:2px solid hsla(0,0%,96.1%,.85);margin-top:100px;padding:20px 0;display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center}@media screen and (max-width:575px){.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .cflt-bio{-ms-flex-direction:column;flex-direction:column}}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .cflt-bio .cflt-blurb{font-size:14px;font-weight:300;margin-bottom:0}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .cflt-bio .cflt-blurb>{*font-size:14px;font-weight:300}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .cflt-bio .cflt-pp{margin-right:30px}@media print{.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .cflt-bio .cflt-pp{display:none}}@media screen and (max-width:575px){.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .cflt-bio .cflt-pp{margin-right:0;margin-bottom:30px}}.style-module--blogPost--1pOcN .style-

```
module--mainSection--3uX12 .style-module--content--3iWje .cflt-bio .cflt-
pp>div{width:70px!important;height:70px!important}.style-module--blogPost--1pOcN .style-module--mainSection-
-3uX12 .style-module--content--3iWje .cflt-bio .cflt-pp img{height:70px;width:70px}.style-module--blogPost--
1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .cflt-bio.cflt-default .cflt-
blurb{color:#173361!important;font-size:20px;font-weight:700}@media screen and (max-width:767px){.style-
module--blogPost--1pOcN .style-module--mainSection--3uX12 code{word-break:break-word}}.style-module--
contentSection--2SdyY{padding-top:40px;padding-bottom:40px}.style-module--contentSection--2SdyY .style-
module--nav--3Yw6O li{font-weight:700;letter-spacing:1.2px;font-size:14px;display:inline-block;text-
transform:uppercase}@media screen and (max-width:575px){.style-module--contentSection--2SdyY .style-module-
-nav--3Yw6O li{display:block}}.style-module--contentSection--2SdyY .style-module--nav--3Yw6O
li+li:before{content:" | ";margin:0 15px}@media screen and (max-width:575px){.style-module--contentSection--
2SdyY .style-module--nav--3Yw6O li+li:before{display:none}}.style-module--contentSection--2SdyY .style-
module--nav--3Yw6O li.style-module--active--3XD4X a{color:#000}.style-module--contentSection--2SdyY .style-
module--item--2pvTa{display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;border-bottom:1px
solid #efefef;padding:40px 0}.style-module--contentSection--2SdyY .style-module--item--2pvTa:last-child{border-
bottom:none}.style-module--contentSection--2SdyY .style-module--imageContainer--jy83c{margin-
right:20px}.style-module--contentSection--2SdyY .style-module--imageContainer--jy83c img{max-
width:none;width:110px}@media screen and (max-width:575px){.style-module--contentSection--2SdyY .style-
module--imageContainer--jy83c{display:none}}.style-module--contentSection--2SdyY .style-module--content--
32ux0{text-align:left}.style-module--contentSection--2SdyY .style-module--content--32ux0 .style-module--date--
woPnD{color:#000;font-size:18px;font-weight:700;line-height:23px;font-weight:400}.style-module--
contentSection--2SdyY .style-module--content--32ux0 .style-module--title--F4YNt{color:#173361;font-
size:21px;font-weight:500;line-height:27px}.style-module--pageList--letxG .style-module--contentSection--
jSGp3{padding-top:40px;padding-bottom:40px}.style-module--pageList--letxG .style-module--contentSection--
jSGp3 .style-module--nav--2VDJx li{font-weight:700;letter-spacing:1.2px;font-size:14px;display:inline-block;text-
transform:uppercase}@media screen and (max-width:575px){.style-module--pageList--letxG .style-module--
contentSection--jSGp3 .style-module--nav--2VDJx li{display:block}}.style-module--pageList--letxG .style-module-
-contentSection--jSGp3 .style-module--nav--2VDJx li+li:before{content:" | ";margin:0 15px}@media screen and
(max-width:575px){.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--nav--
2VDJx li+li:before{display:none}}.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-
module--nav--2VDJx li.style-module--active---WwI6 a{color:#000}.style-module--pageList--letxG .style-module--
contentSection--jSGp3 .style-module--item--1kvxe{display:-ms-flexbox;display:flex;-ms-flex-align:center;align-
items:center;border-bottom:1px solid #efefef;padding:40px 0}.style-module--pageList--letxG .style-module--
contentSection--jSGp3 .style-module--item--1kvxe:last-child{border-bottom:none}.style-module--pageList--letxG
.style-module--contentSection--jSGp3 .style-module--imageContainer--3CFtC{margin-right:20px}.style-module--
pageList--letxG .style-module--contentSection--jSGp3 .style-module--imageContainer--3CFtC img{max-
width:none;width:110px}@media screen and (max-width:575px){.style-module--pageList--letxG .style-module--
contentSection--jSGp3 .style-module--imageContainer--3CFtC{display:none}}.style-module--pageList--letxG
.style-module--contentSection--jSGp3 .style-module--content--1WyTq{text-align:left}.style-module--pageList--
letxG .style-module--contentSection--jSGp3 .style-module--content--1WyTq .style-module--date--
2FYZI{color:#000;font-size:18px;font-weight:700;line-height:23px;font-weight:400}.style-module--pageList--
letxG .style-module--contentSection--jSGp3 .style-module--content--1WyTq .style-module--title--
1yiWy{color:#173361;font-size:21px;font-weight:500;line-height:27px}.style-module--pageTemplate--2eJab .style-
module--contentSection--jSGp3{color:#000;font-size:18px;font-weight:300;line-height:1.39;text-align:left}@media
screen and (max-width:767px){.style-module--pageTemplate--2eJab .style-module--contentSection--jSGp3{margin-
top:20px}}.style-module--pageTemplate--2eJab .style-module--contentSection--jSGp3 h2{margin-
bottom:40px}.style-module--pageTemplate--2eJab .style-module--contentSection--jSGp3 .style-module--section--
LDg5t{margin:20px 0}.style-module--pageResourceList--2xJSM .style-module--hero--3gflz .style-module--card--
```

._rdUr,.style-module--pageResourceList--2xJSM .style-module--resourceList--ci7VL .style-module--card--
_rdUr{padding:25px;color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}.style-module--
pageResourceList--2xJSM .style-module--hero--3gfzl .style-module--card--_rdUr h3,.style-module--
pageResourceList--2xJSM .style-module--resourceList--ci7VL .style-module--card--_rdUr h3{color:#173361;font-
size:18px;font-weight:700;line-height:23px;margin-bottom:25px;padding-bottom:0}.style-module--
pageResourceList--2xJSM .style-module--hero--3gfzl h1{margin-bottom:50px}.style-module--pageResourceList--
2xJSM .style-module--hero--3gfzl .style-module--content--1Sy2Q{width:100%}.style-module--pageResourceList--
2xJSM .style-module--hero--3gfzl .style-module--content--1Sy2Q .style-module--card--
_rdUr{background:#c4eff2}.style-module--pageResourceList--2xJSM .style-module--hero--3gfzl .style-module--
content--1Sy2Q .style-module--card--_rdUr: hover{border-color:#0074a2}.style-module--pageResourceList--2xJSM
.style-module--hero--3gfzl .style-module--content--1Sy2Q .style-module--card--_rdUr img{max-
height:160px;width:auto}.style-module--pageResourceList--2xJSM .style-module--resourceList--ci7VL{padding-
top:20px}@media screen and (max-width:767px){.style-module--pageResourceList--2xJSM .style-module--
resourceList--ci7VL{padding-top:0}}.style-module--pageResourceList--2xJSM .style-module--resourceList--ci7VL
.style-module--card--_rdUr{background:hsla(0,0%,96.1%,.85)}.style-module--pageResourceList--2xJSM .style-
module--resourceList--ci7VL .style-module--card--_rdUr .style-module--cardContent--
3dK28{overflow:hidden;text-overflow:ellipsis;display:-webkit-box;-webkit-line-clamp:4;-webkit-box-
orient:vertical}.style-module--pageResourceList--2xJSM .style-module--header--32Kgf{display:-ms-
flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;margin-bottom:50px}@media screen and
(max-width:767px){.style-module--pageResourceList--2xJSM .style-module--header--32Kgf{-ms-flex-
direction:column-reverse;flex-direction:column-reverse}}.style-module--pageResourceList--2xJSM .style-module--
header--32Kgf form{display:-ms-flexbox;display:flex;-ms-flex-pack:start;justify-content:flex-start;-ms-flex-
wrap:wrap;flex-wrap:wrap;width:100%;max-width:calc(100% - 140px)}@media screen and (max-
width:767px){.style-module--pageResourceList--2xJSM .style-module--header--32Kgf form{-ms-flex-
direction:column;flex-direction:column;max-width:none;padding-top:10px;border-top:2px solid
hsla(0,0%,96.1%,.85)}}.style-module--pageResourceList--2xJSM .style-module--header--32Kgf form .style-
module--select--2IqDS{margin-right:10px;width:calc((100% - 40px)/5)}@media screen and (min-width:768px) and
(max-width:991px){.style-module--pageResourceList--2xJSM .style-module--header--32Kgf form .style-module--
select--2IqDS{margin-bottom:10px;width:calc((100% - 30px)/3)}}@media screen and (max-width:767px){.style-
module--pageResourceList--2xJSM .style-module--header--32Kgf form .style-module--select--
2IqDS{width:100%;margin-bottom:10px;margin-right:0}}.style-module--pageResourceList--2xJSM .style-module--
header--32Kgf form .style-module--select--2IqDS:last-child{margin-right:0}@media screen and (max-
width:767px){.style-module--pageResourceList--2xJSM .style-module--header--32Kgf form .style-module--select--
2IqDS:last-child{margin-bottom:0}}.style-module--pageResourceList--2xJSM .style-module--header--32Kgf
button{-ms-flex-item-align:start;align-self:flex-start}@media screen and (max-width:767px){.style-module--
pageResourceList--2xJSM .style-module--header--32Kgf button{width:100%;margin-bottom:10px}}@media screen
and (max-width:767px){.style-module--coverModule--1neFV{text-align:center}}.style-module--coverModule--
1neFV img{max-height:250px;height:auto}.style-module--contentModule--2GbeI .style-module--fullWidth--
3WdfM{max-width:none!important}.style-module--contentModule--2GbeI ol li,.style-module--contentModule--
2GbeI ol span,.style-module--contentModule--2GbeI p,.style-module--contentModule--2GbeI ul li,.style-module--
contentModule--2GbeI ul span{color:#000;font-size:14px;font-weight:300;line-height:25px}.style-module--
contentModule--2GbeI .style-module--genericContent--jUIVQ .col-sm-6{width:49%}.style-module--
contentModule--2GbeI .style-module--genericContent--jUIVQ .style-module--video--2Lodx [id^=vidyard_]{max-
width:599px!important;width:100%!important}.style-module--contentModule--2GbeI .style-module--
genericContent--jUIVQ .style-module--video--2Lodx: not(.style-module--slide--2TjeV) .row .col-sm-
6{width:100%}.style-module--contentModule--2GbeI .style-module--genericContent--jUIVQ .style-module--video--
2Lodx .style-module--slide--2TjeV .row{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-
wrap:wrap}@media screen and (max-width:767px){.style-module--contentModule--2GbeI .style-module--

genericContent--jUIVQ.style-module--video--2Lodx.style-module--slide--2TjeV .row .col-sm-6{ width:100%;text-align:center}.style-module--contentModule--2GbeI .style-module--genericContent--jUIVQ.style-module--video--2Lodx.style-module--slide--2TjeV .row .col-sm-6+.col-sm-6{ margin-top:20px} }.style-module--contentModule--2GbeI .style-module--recordingTime--1eBRY p{ font-size:18px;font-weight:700}.style-module--contentModule--2GbeI h2{ color:#000;font-size:28px}.style-module--contentModule--2GbeI .style-module--content--1Smjq img{ width:100%;max-width:100px;border-radius:50%;margin-right:20px}.style-module--contentModule--2GbeI .style-module--content--1Smjq .style-module--speakerContainer--1AYAJ .style-module--speaker--r_Ydq{ display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center}.style-module--contentModule--2GbeI .style-module--content--1Smjq .style-module--speakerContainer--1AYAJ .style-module--speaker--r_Ydq img{ max-width:100px;width:auto}.style-module--formModule--2QTTWW{ max-width:480px;width:100%}@media screen and (min-width:768px){.style-module--formModule--2QTTWW{ position:absolute;right:0;top:0} }.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV{ background:hsla(0,0%,96.1%,.85);border-radius:8px;padding:25px;position:relative}.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV h3{ color:#173361;font-size:18px;font-weight:700;text-align:center;margin-bottom:20px}.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba{ display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;width:100%!important}.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba input,.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba select{ background-color:#fff!important;border:2px solid hsla(0,0%,73.3%,.5)!important;border-radius:4px;width:100%!important;margin-bottom:5px;color:#000;font-size:14px;line-height:1.2!important;padding:10px!important}.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba input::-webkit-input-placeholder,.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba select::-webkit-input-placeholder{ color:#829494}.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba input::-moz-placeholder,.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba select::-moz-placeholder{ color:#829494}.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba input:-ms-input-placeholder,.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba select:-ms-input-placeholder{ color:#829494}.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba input::placeholder,.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba select::placeholder{ color:#829494}.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba .mktoButtonRow{ text-align:center;margin-top:25px;-ms-flex-order:15;order:15}.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba .mktoButtonRow button{ transition:all .5s ease-in-out;transition:all .5s cubic-bezier(.785,.135,.15,.86);border-radius:6px;border-style:solid;border-width:1px;display:inline-block;font-size:12px;font-weight:700;letter-spacing:.9px;line-height:1.5;padding:12px 30px;text-align:center;text-decoration:none;text-transform:uppercase;background-color:#173361!important;border-color:#173361!important;color:#fff!important;width:auto!important;font-size:12px!important;font-weight:400!important}.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba .mktoButtonRow button:hover{ cursor:pointer;text-decoration:none;border:1px solid #173361!important}.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV .mktoRequiredField label.mktoHasWidth{ color:#173361;width:auto!important}.style-module--thankyouCtaModule--3D9ye{ margin-bottom:100px}.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx{ display:-ms-flexbox;display:flex}@media screen and (max-width:991px){.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx{-ms-flex-direction:column;flex-direction:column}}.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx .style-

module--card--2kGFK{-ms-flex:1 1;flex:1 1;margin-right:10px;position:relative}@media screen and (max-width:991px){.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx .style-module--card--2kGFK{margin-right:0;margin-bottom:50px}}.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx .style-module--card--2kGFK:last-child{margin-right:0}@media screen and (max-width:991px){.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx .style-module--card--2kGFK:last-child{margin-bottom:0}}.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx .style-module--card--2kGFK>div{text-align:center}.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx .style-module--card--2kGFK>div a{margin-top:20px}.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx .style-module--card--2kGFK h3{color:#173361;font-size:12px;font-weight:500;letter-spacing:1.2px;text-transform:uppercase;margin:20px 0 30px}.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx .style-module--card--2kGFK .style-module--icon--2vg1C{position:absolute;top:0;left:50%;-ms-transform:translate(-50%,-50%);transform:translate(-50%,-50%)}.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx .style-module--card--2kGFK .style-module--icon--2vg1C svg{height:60px;width:auto}.style-module--page--2eWr8 .style-module--heroSection--2gXmv{margin-bottom:25px}.style-module--page--2eWr8 .style-module--heroSection--2gXmv>div{-ms-flex-pack:start;justify-content:flex-start;text-align:left}.style-module--page--2eWr8 .style-module--pageContent--21Evr{margin-bottom:100px}.style-module--page--2eWr8 .style-module--pageContent--21Evr>section{padding-top:0;padding-bottom:0;min-height:640px}.style-module--page--2eWr8 .style-module--pageContent--21Evr p{margin:15px 0}.style-module--page--2eWr8 .style-module--content--3ZqvM{display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;text-align:left;position:relative}.style-module--page--2eWr8 .style-module--content--3ZqvM .style-module--columns--rMAvt{display:-ms-flexbox;display:flex}@media screen and (max-width:767px){.style-module--page--2eWr8 .style-module--content--3ZqvM .style-module--columns--rMAvt{-ms-flex-align:center;align-items:center;-ms-flex-direction:column;flex-direction:column}}.style-module--page--2eWr8 .style-module--content--3ZqvM .style-module--columns--rMAvt>div{-ms-flex:1 1;flex:1 1}@media screen and (min-width:768px){.style-module--page--2eWr8 .style-module--content--3ZqvM .style-module--columns--rMAvt>div:first-child{min-width:360px;width:100%;max-width:600px}}.style-module--page--2eWr8 .style-module--content--3ZqvM .style-module--columns--rMAvt>div.style-module--spacer--1vFos{max-width:480px;width:100%;position:relative}@media screen and (min-width:768px){.style-module--page--2eWr8 .style-module--content--3ZqvM .style-module--columns--rMAvt>div.style-module--spacer--1vFos{margin-left:40px}}.style-module--page--2eWr8 .style-module--content--3ZqvM .style-module--columns--rMAvt>div.style-module--spacer--1vFos.style-module--noPointer--aUuu8{pointer-events:none}.style-module--page--2eWr8 #mktoForm_1734 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_3762 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_3768 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_3774 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_3924 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_4143 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_4154 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_4162 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_4164 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_4169 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_4248 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_4371 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_4381 .mktoFormRow:first-of-type{-ms-flex-order:14;order:14}.style-module--page--2eWr8 #mktoForm_1734 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_3762 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_3768 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_3774 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_3924 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_4143 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_4154 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_4162 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_4164

.mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_4169 .mktoFormRow
.mktoHtmlText,.style-module--page--2eWr8 #mktoForm_4248 .mktoFormRow .mktoHtmlText,.style-module--
page--2eWr8 #mktoForm_4371 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_4381
.mktoFormRow .mktoHtmlText{margin-top:15px;width:100%!important}.style-module--page--2eWr8
#mktoForm_1734 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_3762
.mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_3768 .mktoFormRow
.mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_3774 .mktoFormRow .mktoHtmlText span,.style-
module--page--2eWr8 #mktoForm_3924 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8
#mktoForm_4143 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_4154
.mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_4162 .mktoFormRow
.mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_4164 .mktoFormRow .mktoHtmlText span,.style-
module--page--2eWr8 #mktoForm_4169 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8
#mktoForm_4248 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_4371
.mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_4381 .mktoFormRow
.mktoHtmlText span{color:#829494!important}.style-module--page--2eWr8 #mktoForm_1734 .mktoFormRow
.mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_1734 .mktoFormRow .mktoHtmlText span
span,.style-module--page--2eWr8 #mktoForm_3762 .mktoFormRow .mktoHtmlText span a,.style-module--page--
2eWr8 #mktoForm_3762 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_3768
.mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_3768 .mktoFormRow
.mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_3774 .mktoFormRow .mktoHtmlText span
a,.style-module--page--2eWr8 #mktoForm_3774 .mktoFormRow .mktoHtmlText span span,.style-module--page--
2eWr8 #mktoForm_3924 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_3924
.mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_4143 .mktoFormRow
.mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4143 .mktoFormRow .mktoHtmlText span
span,.style-module--page--2eWr8 #mktoForm_4154 .mktoFormRow .mktoHtmlText span a,.style-module--page--
2eWr8 #mktoForm_4154 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_4162
.mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4162 .mktoFormRow
.mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_4164 .mktoFormRow .mktoHtmlText span
a,.style-module--page--2eWr8 #mktoForm_4164 .mktoFormRow .mktoHtmlText span span,.style-module--page--
2eWr8 #mktoForm_4169 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4169
.mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_4248 .mktoFormRow
.mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4248 .mktoFormRow .mktoHtmlText span
span,.style-module--page--2eWr8 #mktoForm_4371 .mktoFormRow .mktoHtmlText span a,.style-module--page--
2eWr8 #mktoForm_4371 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_4381
.mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4381 .mktoFormRow
.mktoHtmlText span span{text-decoration:none!important}.style-module--page--2eWr8 #mktoForm_1734
.mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_3762 .mktoFormRow
.mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_3768 .mktoFormRow .mktoHtmlText span a,.style-
module--page--2eWr8 #mktoForm_3774 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8
#mktoForm_3924 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4143
.mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4154 .mktoFormRow
.mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4162 .mktoFormRow .mktoHtmlText span a,.style-
module--page--2eWr8 #mktoForm_4164 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8
#mktoForm_4169 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4248
.mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4371 .mktoFormRow
.mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4381 .mktoFormRow .mktoHtmlText span
a{color:#257bd7!important}.style-module--thankyouPage--q8Sx_ iframe{max-width:100%}.style-module--
thankyouPage--q8Sx_ .style-module--heroSection--2gXmv>div{padding:70px}.style-module--thankyouPage--

q8Sx_ .style-module--heroSection--2gXmv .style-module--content--3ZqvM { width:90% }.style-module--thankyouPage--q8Sx_ .style-module--heroSection--2gXmv .style-module--content--3ZqvM .style-module--button--xWcox { margin-top:50px }.style-module--thankyouPage--q8Sx_ .style-module--heroSection--2gXmv .style-module--content--3ZqvM .orange_button { transition:all .5s ease-in-out;transition:all .5s cubic-bezier(.785,.135,.15,.86);border-radius:6px;display:inline-block;font-size:12px;font-weight:700;letter-spacing:.9px;line-height:1.5;padding:12px 30px;text-align:center;text-decoration:none;text-transform:uppercase;background-color:#fff;border:1px solid #fff;color:#173361;display:block;width:260px;margin:50px auto 0 }.style-module--thankyouPage--q8Sx_ .style-module--heroSection--2gXmv .style-module--content--3ZqvM .orange_button: hover { cursor:pointer;text-decoration:none }.style-module--thankyouPage--q8Sx_ .style-module--webinarContent--1UBae .style-module--video--zS5ur [id^=vidyard_] { max-width:599px !important;width:100% !important }.style-module--thankyouPage--q8Sx_ .style-module--webinarContent--1UBae .style-module--video--zS5ur .style-module--caption--3c1g-.style-module--thankyouPage--q8Sx_ .style-module--webinarContent--1UBae .style-module--video--zS5ur p { font-size:14px }.style-module--thankyouPage--q8Sx_ .style-module--webinarContent--1UBae .style-module--video--zS5ur: not(.style-module--slide--NvD8Q) .row .col-sm-6 { width:100% }.style-module--thankyouPage--q8Sx_ .style-module--webinarContent--1UBae .style-module--video--zS5ur .style-module--slide--NvD8Q .row { display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap } @media screen and (max-width:767px) { .style-module--thankyouPage--q8Sx_ .style-module--webinarContent--1UBae .style-module--video--zS5ur .style-module--slide--NvD8Q .row .col-sm-6 { width:100%;text-align:center }.style-module--thankyouPage--q8Sx_ .style-module--webinarContent--1UBae .style-module--video--zS5ur .style-module--slide--NvD8Q .row .col-sm-6+.col-sm-6 { margin-top:20px } }.style-module--thankyouPage--q8Sx_ .style-module--webinarContent--1UBae .style-module--thankyouMessage--1L9PD { margin-top:40px } @media screen and (max-width:767px) { .style-module--testimonials--2eY00 .style-module--header--C0_Br { margin:20px 0 } }.style-module--testimonials--2eY00 .style-module--pager--1Lh_S { margin-top:0;margin-bottom:0;padding:0;list-style:none;display:-ms-flexbox !important;display:flex !important;overflow-x:scroll } @media screen and (min-width:992px) { .style-module--testimonials--2eY00 .style-module--pager--1Lh_S { -ms-flex-pack:center;justify-content:center;margin-left:auto;margin-right:auto;overflow-x:hidden } }.style-module--testimonials--2eY00 .style-module--pager--1Lh_S li { display:-ms-flexbox;display:flex;-ms-flex-align:end;align-items:flex-end;margin-left:20px;margin-right:20px }.style-module--testimonials--2eY00 .style-module--pager--1Lh_S li: first-child { margin-left:0 }.style-module--testimonials--2eY00 .style-module--pager--1Lh_S li: last-child { margin-right:0 }.style-module--testimonials--2eY00 .style-module--pager--1Lh_S div { padding:20px;position:relative;border-bottom:2px solid #fff;cursor:pointer }.style-module--testimonials--2eY00 .style-module--pager--1Lh_S span { display:inline-block }.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_demonware--2NWgW span { background:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/c007816e3c3e863cc1ba2e56c5ffcdb24675cea7/demonware-inactive@1x.png") no-repeat;background-size:177px 52px;width:177px;height:52px } @media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx) { .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_demonware--2NWgW span { background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/dfccd6b0f1f5dfa154397dc93c713adeb407b77c/demonware-inactive@2x.png") } }.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_demonware--2NWgW: after { width:0;height:0;border-left:5px solid transparent;border-right:5px solid transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-50%);transform:translateX(-50%) } }.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_demonware--2NWgW: hover,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_demonware--2NWgW: hover: after { border-bottom-color:#2bc7f6 }.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_demonware--2NWgW: hover span { background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/3ede249ffc57be8a8c1ebf27df25d3f79819f71/demonware-active@1x.png") } @media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and

(min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_demonware--2NWgW: hover span{ background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/137fe5177082deef18bd8d1ca809c3ba4c98ea09/demonware-active@2x.png")}}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_demonware--2NWgW,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_demonware--2NWgW:after{ border-bottom-color:#2bc7f6}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_demonware--2NWgW span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/3ede249ffcb57be8a8c1ebf27df25d3f79819f71/demonware-active@1x.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_demonware--2NWgW span{ background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/137fe5177082deef18bd8d1ca809c3ba4c98ea09/demonware-active@2x.png")}}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_uronext--3Amyq span{ background:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/0e71eaf193cff199816be9f59b67add6e04b3d16/uronext-inactive@1x.png") no-repeat;background-size:155px 52px;width:155px;height:52px}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_uronext--3Amyq span{ background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/102e3d9fe091abc385c4c1a52a090c39763a0010/uronext-inactive@2x.png")}}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_uronext--3Amyq:after{ width:0;height:0;border-left:5px solid transparent;border-right:5px solid transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-50%);transform:translateX(-50%)} .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_uronext--3Amyq: hover,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_uronext--3Amyq: hover:after{ border-bottom-color:#009484}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_uronext--3Amyq: hover span{ background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/6a70a772d4c833324186561d036dfca1c2297fca/uronext-active@1x.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_uronext--3Amyq: hover span{ background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/86ef10cb5881342b97a6c9119c9616aaa77ca2ba/uronext-active@2x.png")}}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_uronext--3Amyq,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_uronext--3Amyq:after{ border-bottom-color:#009484}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_uronext--3Amyq span{ background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/6a70a772d4c833324186561d036dfca1c2297fca/uronext-active@1x.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_uronext--3Amyq span{ background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/86ef10cb5881342b97a6c9119c9616aaa77ca2ba/uronext-active@2x.png")}}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_audi--1TXrG span{ background:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/07a005ec92f2dc0f02941ca0b1ce1bec5c3c7669/audi-inactive@1x.png") no-repeat;background-size:99px 52px;width:99px;height:52px}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_audi--1TXrG span{ background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/aa9024c2305edd3c9c89eb4b859c06153ce83


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d71/audi-inactive@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_audi--1TXrG:after{width:0;height:0;border-left:5px solid transparent;border-right:5px solid
transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-
50%);transform:translateX(-50%)}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_audi--1TXrG:hover,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_audi--1TXrG:hover:after{border-bottom-color:#f53d42}.style-module--testimonials--2eY00 .style-module--
pager--1Lh_S .style-module--logo_audi--1TXrG:hover span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/a562069b623aa86fc226014cc9dec768a6af7
59c/audi-active@1x.png"))@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-
resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_audi--
1TXrG:hover span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/80c01a3d2964e2c4190542098d570785f9f96
844/audi-active@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-
module--logo_audi--1TXrG,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-
module--logo_audi--1TXrG:after{border-bottom-color:#f53d42}.style-module--testimonials--2eY00 .style-module--
pager--1Lh_S .slick-active .style-module--logo_audi--1TXrG span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/a562069b623aa86fc226014cc9dec768a6af7
59c/audi-active@1x.png"))@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-
resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--
logo_audi--1TXrG span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/80c01a3d2964e2c4190542098d570785f9f96
844/audi-active@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_tivo--2zWPP
span{background:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/7ad37ca2b928e30340dd1915e50
6ed4c87d1b80b/tivo-inactive@1x.png") no-repeat;background-size:94px 52px;width:94px;height:52px}@media
only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--
testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_tivo--2zWPP span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/f8f80f57af322ca3011028ff76a8a88697103f
e0/tivo-inactive@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_tivo--2zWPP:after{width:0;height:0;border-left:5px solid transparent;border-right:5px solid
transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-
50%);transform:translateX(-50%)}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_tivo--2zWPP:hover,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_tivo--2zWPP:hover:after{border-bottom-color:#0398cc}.style-module--testimonials--2eY00 .style-module--
pager--1Lh_S .style-module--logo_tivo--2zWPP:hover span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/b72ed025599af4bef5003d7b7c4624db94fdf
6d4/tivo-active@1x.png"))@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-
resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_tivo--
2zWPP:hover span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/fe5b8286b9637b2a6ce3c5e65f9185aa145db
9c3/tivo-active@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-
module--logo_tivo--2zWPP,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-
module--logo_tivo--2zWPP:after{border-bottom-color:#0398cc}.style-module--testimonials--2eY00 .style-module--
pager--1Lh_S .slick-active .style-module--logo_tivo--2zWPP span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/b72ed025599af4bef5003d7b7c4624db94fdf
6d4/tivo-active@1x.png"))@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-
resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--
logo_tivo--2zWPP span{background-
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image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/fe5b8286b9637b2a6ce3c5e65f9185aa145db9c3/tivo-active@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_recursion--WqzQK

span{background:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/7c00f1dcadcea2cc04db4e5da9d3f63f88fed239/recursion-inactive@1x.png") no-repeat;background-size:148px 59px;width:148px;height:59px}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_recursion--WqzQK span{background-

image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/326e1553106d5ccf0a708363688645e0fa163cb2/recursion-inactive@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_recursion--WqzQK:after{width:0;height:0;border-left:5px solid transparent;border-right:5px solid transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-50%);transform:translateX(-50%)}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_recursion--WqzQK:hover,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_recursion--WqzQK:hover:after{border-bottom-color:#9e4e9b}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_recursion--WqzQK: hover span{background-

image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/614ce0dc7760e2497100a0011d80a7777438604b/recursion-active@1x.png"))@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_recursion--WqzQK: hover span{background-

image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/8451aabc5bacc0d92dc5ddc9f77f114d8af38c02/recursion-active@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_recursion--WqzQK,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_recursion--WqzQK:after{border-bottom-color:#9e4e9b}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_recursion--WqzQK span{background-

image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/614ce0dc7760e2497100a0011d80a7777438604b/recursion-active@1x.png"))@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_recursion--WqzQK span{background-

image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/8451aabc5bacc0d92dc5ddc9f77f114d8af38c02/recursion-active@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_lyft--1JA6P

span{background:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/b9a5d25b421feeb7ce7bf1da1cbcde167d5f2718/lyft-inactive@1x.png") no-repeat;background-size:54px 59px;width:54px;height:59px}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_lyft--1JA6P span{background-

image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/b393ae7b01d02b01e19760682ef3c4fe4b24b6b5/lyft-inactive@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_lyft--1JA6P:after{width:0;height:0;border-left:5px solid transparent;border-right:5px solid transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-50%);transform:translateX(-50%)}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_lyft--1JA6P:hover,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_lyft--1JA6P: hover:after{border-bottom-color:#ea0a8c}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_lyft--1JA6P: hover span{background-

image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/6dafee3586397cc46c412282c822f6e911732054/lyft-active@1x.png"))@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_lyft--1JA6P: hover span{background-

image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/7d01fbc53d2cd6596907cd5e227fd21fcef41c
ba/lyft-active@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-
module--logo_lyft--1JA6P,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-
module--logo_lyft--1JA6P:after{border-bottom-color:#ea0a8c}.style-module--testimonials--2eY00 .style-module--
pager--1Lh_S .slick-active .style-module--logo_lyft--1JA6P span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/6dafee3586397cc46c412282c822f6e911732
054/lyft-active@1x.png"))@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-
resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--
logo_lyft--1JA6P span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/7d01fbc53d2cd6596907cd5e227fd21fcef41c
ba/lyft-active@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_bosch--1am6O
span{background:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/fd140b4c26f3fc1d87ee13771867
9d179bcbcd65d/bosch-inactive@1x.png") no-repeat;background-size:107px 59px;width:107px;height:59px}@media
only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--
testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_bosch--1am6O span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/f04f8c26bb76670a060dc747bf61a5730ac64
350/bosch-inactive@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_bosch--1am6O:after{width:0;height:0;border-left:5px solid transparent;border-right:5px solid
transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-
50%);transform:translateX(-50%)}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_bosch--1am6O:hover,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_bosch--1am6O:hover:after{border-bottom-color:#ea0215}.style-module--testimonials--2eY00 .style-module--
pager--1Lh_S .style-module--logo_bosch--1am6O:hover span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/530eb0282bb3d318576eb05cb58ef0afbbe3c
3e3/bosch-active@1x.png"))@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-
resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_bosch--
1am6O:hover span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/6505032981159f7aaacf97ff8cb80f2d2576ab
b5/bosch-active@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-
module--logo_bosch--1am6O,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-
module--logo_bosch--1am6O:after{border-bottom-color:#ea0215}.style-module--testimonials--2eY00 .style-
module--pager--1Lh_S .slick-active .style-module--logo_bosch--1am6O span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/530eb0282bb3d318576eb05cb58ef0afbbe3c
3e3/bosch-active@1x.png"))@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-
resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--
logo_bosch--1am6O span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/6505032981159f7aaacf97ff8cb80f2d2576ab
b5/bosch-active@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_nuuly--9d-UE
span{background:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/00596b513d0ed47a67b69b966f9
ea42e6a8474b2/nuuly-inactive@1x.png") no-repeat;background-size:104px
59px;width:104px;height:59px}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and
(min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_nuuly--9d-UE span{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/65f0a6c5b63c689da45792e095deb364aa7be
ef8/nuuly-inactive@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_nuuly--9d-UE:after{width:0;height:0;border-left:5px solid transparent;border-right:5px solid

transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-50%);transform:translateX(-50%)}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_nuuly--9d-UE:hover,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_nuuly--9d-UE:hover:after{border-bottom-color:#000}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_nuuly--9d-UE:hover span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/f0e1ff6ba8439f6e254a46b2495e03288d8e7873/nuuly-active@1x.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_nuuly--9d-UE:hover span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/cdaa71ec4ef4c1fdaeb06c54ab580e9b437e8764/nuuly-active@2x.png")}}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_nuuly--9d-UE,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_nuuly--9d-UE:after{border-bottom-color:#000}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_nuuly--9d-UE span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/f0e1ff6ba8439f6e254a46b2495e03288d8e7873/nuuly-active@1x.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_nuuly--9d-UE span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/cdaa71ec4ef4c1fdaeb06c54ab580e9b437e8764/nuuly-active@2x.png")}}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_forbes--3sEAE span{background:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/aa004cfd67a847a80f9ab9b14d3ba25eae87464/forbes-inactive.png")}no-repeat;background-size:74px 25px;width:74px;height:25px}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_forbes--3sEAE span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/aa004cfd67a847a80f9ab9b14d3ba25eae87464/forbes-inactive.png")}}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_forbes--3sEAE:after{width:0;height:0;border-left:5px solid transparent;border-right:5px solid transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-50%);transform:translateX(-50%)}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_forbes--3sEAE:hover,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_forbes--3sEAE:hover:after{border-bottom-color:#2365a3}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_forbes--3sEAE:after span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/1c18709bf0bf8c047b2e6543f81c672dec4a43ed/forbes-active.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_forbes--3sEAE:after span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/1c18709bf0bf8c047b2e6543f81c672dec4a43ed/forbes-active.png")}}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_forbes--3sEAE,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_forbes--3sEAE:after{border-bottom-color:#2365a3}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_forbes--3sEAE span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/1c18709bf0bf8c047b2e6543f81c672dec4a43ed/forbes-active.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_forbes--3sEAE span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/1c18709bf0bf8c047b2e6543f81c672dec4a43ed/forbes-active.png")}}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--

height:1.25;margin:20px auto;max-width:780px;padding:0}.style-module--testimonials--2eY00 .style-module--testimonial--qVXIA blockquote:after,.style-module--testimonials--2eY00 .style-module--testimonial--qVXIA blockquote:before{content:""}.style-module--testimonials--2eY00 .style-module--testimonial--qVXIA blockquote a{color:inherit}.style-module--testimonials--2eY00 .style-module--testimonial--qVXIA .style-module--ctaContainer--305F4{position:relative}.style-module--testimonials--2eY00 .style-module--testimonial--qVXIA .style-module--ctaContainer--305F4:after{content:"203A";color:#0074a2;position:absolute;top:-7px;line-height:1;font-size:30px;right:-15px}@media screen and (max-width:767px){.style-module--testimonials--2eY00 .style-module--testimonial--qVXIA .style-module--ctaContainer--305F4:after{display:none}}.style-module--testimonials--2eY00 .style-module--testimonial--qVXIA .style-module--ctaContainer--305F4 a{color:#0074a2;text-decoration:underline}.style-module--card--1fsSo{transition:all .5s ease-in-out;transition:all .5s cubic-bezier(1,0,0,1);border-radius:8px;background-color:#fff;padding:30px 30px 0;margin:0 auto 40px}.style-module--card--1fsSo .slick-list{padding:20px 0 0}.style-module--card--34klN{transition:all .5s ease-in-out;transition:all .5s cubic-bezier(1,0,0,1);border-radius:8px;background-color:#fff;padding:30px}.style-module--card--34klN.style-module--clickable--2Yaw8{cursor:pointer;border:2px solid transparent}.style-module--card--34klN.style-module--clickable--2Yaw8: hover{border-color:#173361;-ms-transform:scale(1.05);transform:scale(1.05)}.style-module--card--34klN .style-module--label--1lqnK{margin-bottom:13px;text-transform:uppercase}.style-module--card--34klN .style-module--label--1lqnK h4{background:#0074a2;border-radius:4px;color:#fff;display:inline-block;font-size:12px;font-weight:500;letter-spacing:1.2px;margin:0;padding:5px 10px}.style-module--card--34klN .style-module--label--1lqnK.style-module--denim--urWOq h4{background:#173361}.style-module--card--34klN .style-module--label--1lqnK.style-module--academy--88tr5 h4{background:#0074a2}.style-module--card--34klN .style-module--label--1lqnK.style-module--island--3Prvw h4{background:#38cccd}.style-module--card--34klN .style-module--label--1lqnK.style-module--robinSEggBlue--1da6r h4{background:#b4e1e4}.style-module--card--34klN .style-module--label--1lqnK.style-module--sahara--iUZFc h4{background:#c5832e}.style-module--card--34klN .style-module--label--1lqnK.style-module--canary--28W1H h4{background:#ffc40c}.style-module--card--34klN .style-module--wrapper--1at_H{color:inherit;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;text-align:left;margin:0;display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;height:100%}.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_left--19IAJ,.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_right--3cHGD{display:-ms-flexbox;display:flex}@media screen and (max-width:767px){.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_left--19IAJ,.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_right--3cHGD{display:block}}.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_left--19IAJ .style-module--imageWrapper--1FRHo,.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_right--3cHGD .style-module--imageWrapper--1FRHo{-ms-flex:2 1;flex:2 1;max-width:160px}@media screen and (max-width:767px){.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_left--19IAJ .style-module--imageWrapper--1FRHo,.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_right--3cHGD .style-module--imageWrapper--1FRHo{text-align:left;margin-bottom:15px}}.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_left--19IAJ .style-module--imageWrapper--1FRHo img,.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_right--3cHGD .style-module--imageWrapper--1FRHo img{max-width:200px}.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_left--19IAJ .style-module--copy--3YFnP,.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_right--3cHGD .style-module--copy--3YFnP{-ms-flex:4 1;flex:4 1}.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_left--19IAJ{-ms-flex-direction:row;flex-direction:row}.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_left--19IAJ .style-module--imageWrapper--1FRHo{margin-right:25px}.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_right--3cHGD{-ms-flex-direction:row-reverse;flex-direction:row-reverse}.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_right--3cHGD .style-module--imageWrapper--1FRHo{margin-left:25px;text-align:right}.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_top--39SWu .style-

module--imageWrapper--1FRHo{margin-bottom:15px;text-align:center}.style-module--card--34kIN .style-module--wrapper--1at_H.style-module--image_top--39SWu .style-module--copy--3YFnP{-ms-flex:1 1;flex:1 1;display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column}.style-module--card--34kIN .style-module--wrapper--1at_H .style-module--imageWrapper--1FRHo img{width:100%}.style-module--card--34kIN .style-module--wrapper--1at_H .style-module--copy--3YFnP h3{color:#000;font-size:18px;font-weight:700;line-height:1.5;margin:0;padding:0 0 10px;overflow:hidden;text-overflow:ellipsis}.style-module--card--34kIN .style-module--wrapper--1at_H .style-module--copy--3YFnP h3 a{color:inherit:pointer-events:none;text-decoration:none}.style-module--card--34kIN .style-module--wrapper--1at_H .style-module--copy--3YFnP p{color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;max-width:450px;margin:0 auto}.style-module--card--34kIN .style-module--wrapper--1at_H .style-module--copy--3YFnP .style-module--meta-2DoOH{color:#0074a2;font-size:12px;font-weight:500;line-height:2.67;letter-spacing:2px;display:block;line-height:normal;text-transform:uppercase;margin-bottom:10px}.style-module--card--34kIN .style-module--wrapper--1at_H .style-module--copy--3YFnP .style-module--contentContainer--WACfF{margin-bottom:20px}.style-module--card--34kIN .style-module--wrapper--1at_H .style-module--copy--3YFnP .style-module--contentContainer--WACfF p{margin-left:0;margin-right:0}.style-module--card--34kIN .style-module--wrapper--1at_H .style-module--copy--3YFnP .style-module--contentContainer--WACfF .style-module--noCta--_nvte{margin-bottom:0}.style-module--card--34kIN .style-module--wrapper--1at_H .style-module--copy--3YFnP .style-module--buttonContainer--GiF5v{margin:auto 0 0}.style-module--card--34kIN .style-module--wrapper--1at_H .style-module--copy--3YFnP .style-module--buttonContainer--GiF5v a{display:inline-block}.style-module--denim--urWOq.style-module--active--2sKU1{border:2px solid #173361;background-color:rgba(23,51,97,.05)}.style-module--denim--urWOq .style-module--label--1lqnK h4{background:none;color:#173361}.style-module--denim--urWOq .style-module--wrapper--1at_H .style-module--copy--3YFnP h3{color:#173361}.style-module--purple--nb0ge.style-module--active--2sKU1{border:2px solid #551d9d;background-color:rgba(85,29,157,.05)}.style-module--purple--nb0ge .style-module--label--1lqnK h4{background:none;color:#551d9d}.style-module--purple--nb0ge .style-module--wrapper--1at_H .style-module--copy--3YFnP h3{color:#551d9d}.style-module--green--3SxHv.style-module--active--2sKU1{border:2px solid #159e86;background-color:rgba(21,158,134,.05)}.style-module--green--3SxHv .style-module--label--1lqnK h4{background:none;color:#159e86}.style-module--green--3SxHv .style-module--wrapper--1at_H .style-module--copy--3YFnP h3{color:#159e86}.style-module--blue--1XZoW.style-module--active--2sKU1{border:2px solid #0dacc;background-color:rgba(13,172,204,.05)}.style-module--blue--1XZoW .style-module--label--1lqnK h4{background:none;color:#0dacc}.style-module--blue--1XZoW .style-module--wrapper--1at_H .style-module--copy--3YFnP h3{color:#0dacc}.style-module--orange--1rWcw.style-module--active--2sKU1{border:2px solid #e37d62;background-color:rgba(227,125,98,.05)}.style-module--orange--1rWcw .style-module--label--1lqnK h4{background:none;color:#e37d62}.style-module--orange--1rWcw .style-module--wrapper--1at_H .style-module--copy--3YFnP h3{color:#e37d62}.style-module--grey--3LMDj.style-module--active--2sKU1{border:2px solid #58788c;background-color:rgba(88,120,140,.05)}.style-module--grey--3LMDj .style-module--label--1lqnK h4{background:none;color:#58788c}.style-module--grey--3LMDj .style-module--wrapper--1at_H .style-module--copy--3YFnP h3{color:#58788c}.index-module--pageCommunity--2w1tS h2{font-size:26px;font-weight:400}.index-module--pageCommunity--2w1tS h3{font-size:18px!important;line-height:1.2!important}.index-module--pageCommunity--2w1tS ul{list-style:none;margin:0;padding:0}.index-module--pageCommunity--2w1tS .index-module--button--2A-hL{border-radius:4px;border:1px solid #2a2a2d;text-transform:uppercase;font-size:12px;color:#2a2a2d;letter-spacing:.75px;font-weight:700;text-decoration:none;padding:10px 40px}.index-module--pageCommunity--2w1tS .index-module--bgGrey--Sx7Vk{background-color:#f0f0f2}.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu section>div{margin-bottom:0}.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu section p{max-width:590px;margin:15px auto}.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu .index-module--supportingLinks--1jeNd{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;margin:50px auto 0}@media screen and (max-width:767px){.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu .index-module--supportingLinks--1jeNd{margin-top:25px}}@media screen and

(max-width:575px){.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu .index-module--supportingLinks--1jeNd{-ms-flex-direction:column;flex-direction:column}}.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu .index-module--supportingLinks--1jeNd>{*margin-right:15px}.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu .index-module--supportingLinks--1jeNd:last-child{margin-right:0}@media screen and (max-width:575px){.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu .index-module--supportingLinks--1jeNd>:last-child{margin-bottom:0}}@media screen and (max-width:575px){.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu .index-module--supportingLinks--1jeNd>{*margin-right:0;margin-bottom:15px}}.index-module--pageCommunity--2w1tS .index-module--content--10g54>section{padding:60px 0;position:relative;text-align:center}.index-module--pageCommunity--2w1tS .index-module--content--10g54>section:first-child{padding:160px 0 120px}.index-module--pageCommunity--2w1tS .index-module--content--10g54>section .index-module--paragraph--3g3tT{max-width:800px;margin:0 auto}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--mapContainer--1bbeS .index-module--map--24bh5{width:100%;height:650px}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ-{margin-top:40px}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-wrap:wrap;flex-wrap:wrap}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li{border:1px solid #f2f3f4;min-width:220px;text-align:left}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li a{padding:13px 10px;display:block;text-decoration:none}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li a span:first-child{display:inline-block;font:normal normal normal 14px/1 FontAwesome;text-rendering:auto;-webkit-font-smoothing:antialiased;-moz-osx-font-smoothing:grayscale;font-size:16px;color:#fff;background-color:#173361;padding:14px;margin-right:16px}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li a span:first-child:before{content:"\F067"}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li a span:last-child{color:#000;font-size:16px;font-weight:700}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li.index-module--current--2byzP{background-color:#f2f3f4}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li.index-module--current--2byzP a span:first-child:before{content:"\F068"}@media screen and (max-width:1199px){.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul{-ms-flex-pack:center;justify-content:center}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li{min-width:220px;margin-top:10px;margin-right:20px}}@media screen and (max-width:991px){.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul{-ms-flex-pack:justify;justify-content:space-between}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li{width:48%;margin-top:10px;margin-right:0}}@media screen and (max-width:767px){.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul{-ms-flex-pack:center;justify-content:center}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li{width:100%;margin-top:10px}}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ- .index-module--countryContent--ez0uK{background-color:#f2f3f4;clear:both;display:none;text-align:left}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ- .index-module--countryContent--ez0uK ul{clear:both;padding:20px 0 40px;overflow:hidden}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ- .index-module--countryContent--ez0uK ul li{display:inline-block;width:16%;min-width:180px;padding:15px 20px;float:left}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ- .index-module--countryContent--ez0uK ul li span{display:block;color:#000}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-

module--countryList--1rXZ- .index-module--countryContent--ez0uK ul li a span{color:#4597cb}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ- .index-module--countryContent--ez0uK.index-module--current--2byzP{display:block}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--sponsorRequestContainer--3FpUK ul{display:-ms-flexbox;display:flex;-ms-flex-pack:distribute;justify-content:space-around;margin:40px auto;max-width:800px}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--sponsorRequestContainer--3FpUK ul li{max-width:180px}@media screen and (max-width:991px){.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--sponsorRequestContainer--3FpUK ul{-ms-flex-wrap:wrap;flex-wrap:wrap}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--sponsorRequestContainer--3FpUK ul li{width:45%;margin-top:10px;max-width:none}}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--getInvolvedText--3IUwT{font-size:14px;margin:40px auto 20px}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--slackCatalystContainer--1tkVU{padding-bottom:0}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--slackCatalystContainer--1tkVU .index-module--cardContainer--1WjI3{display:-ms-flexbox;display:flex;-ms-flex-direction:row;flex-direction:row;-ms-flex-pack:justify;justify-content:space-between}@media screen and (max-width:767px){.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--slackCatalystContainer--1tkVU .index-module--cardContainer--1WjI3{-ms-flex-direction:column;flex-direction:column}}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--slackCatalystContainer--1tkVU .index-module--card--3JCqV{margin:0;width:32.5%;background:hsla(0,0%,96.1%,.85)}@media screen and (max-width:767px){.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--slackCatalystContainer--1tkVU .index-module--card--3JCqV{width:100%;margin-top:1rem}}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--slackCatalystContainer--1tkVU .index-module--cardImage--X4ASv{display:-ms-flexbox;display:flex;width:100%;height:15rem}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--slackCatalystContainer--1tkVU .index-module--cardImage--X4ASv img{margin:auto;width:100%}@media screen and (max-width:767px){.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--slackCatalystContainer--1tkVU .index-module--cardImage--X4ASv{margin-top:1rem;height:auto}}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--slackCatalystContainer--1tkVU .index-module--cardButtonContainer--3IKek{text-align:center}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--mdWhiteframe--3ftug{width:100%!important;text-align:left}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--mdWhiteframe--3ftug .index-module--iwToolbar--16maz{background-color:#ff671f;color:#fff;display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;width:100%}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--mdWhiteframe--3ftug .index-module--iwToolbar--16maz h3{color:#fff;margin:0;padding:10px}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--mdWhiteframe--3ftug .index-module--iwToolbar--16maz.index-module--mdSubhead--34QMb{font-size:16px;font-weight:300;letter-spacing:.01em;line-height:24px}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--mdWhiteframe--3ftug .index-module--iwDetails--2pLvk{color:rgba(0,0,0,.87);display:-ms-flexbox;display:flex;font-size:13px;padding:5px 10px 0;margin-top:5px}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--mdWhiteframe--3ftug .index-module--iwDetails--2pLvk span{padding-top:4px;width:230px;word-wrap:break-word}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--mdWhiteframe--3ftug .index-module--iwDetails--2pLvk span a{color:#4597cb;text-decoration:none;cursor:pointer;font-weight:500}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--mdWhiteframe--3ftug .index-module--iwDetails--2pLvk svg{font-size:24px;color:#4597cb;margin-right:10px}.index-module--meetupRequestSection--qgwBq h2{color:#173361}.index-module--meetupRequestSection--qgwBq .mktoHtmlText{font-size:17px}.index-module--meetupRequestSection--qgwBq .mktoForm .mktoFormRow{background:transparent}.index-module--

meetupRequestSection--qgwBq .mktoFormCol{padding:8px 18px!important}@media screen and (max-width:991px){.index-module--meetupRequestSection--qgwBq .mktoFormCol{width:100%!important}}.index-module--meetupRequestSection--qgwBq .mktoForm .mktoField{background-color:#fff;border:none!important;color:#7b7b7b!important}.index-module--meetupRequestSection--qgwBq textarea{height:130px}.index-module--meetupRequestSection--qgwBq .mktoForm .mktoButton{border-radius:2px;background-color:#173361!important;font-size:18px;line-height:24px;color:#fff;min-width:136px;padding:10px 25px;margin-top:45px;display:block;max-width:250px;margin-left:auto;margin-right:auto}.index-module--meetupRequestSection--qgwBq .mktoForm .mktoErrorMsg{background-color:transparent}.style-module--listItem--3xX0X{display:-ms-flexbox;display:flex;padding:50px 0 50px 50px}@media screen and (max-width:991px){.style-module--listItem--3xX0X{padding-left:0;-ms-flex-direction:column;flex-direction:column}}@media screen and (max-width:991px){.style-module--listItem--3xX0X:first-of-type{padding-top:0}}.style-module--listItem--3xX0X:not(:last-of-type){border-bottom:7px solid #f3f4f7}.style-module--listItem--3xX0X .style-module--mobileButton--1yrNY{display:none;max-width:175px;margin-top:40px}@media screen and (max-width:991px){.style-module--listItem--3xX0X .style-module--mobileButton--1yrNY{display:inline-block}}.style-module--listImage--1gsxy{margin-right:40px;-ms-flex-item-align:start;align-self:flex-start;width:70px}@media screen and (max-width:991px){.style-module--listImage--1gsxy{margin-bottom:40px}}.style-module--copyContainer--3eWSz{-ms-flex:0 1 50%;flex:0 1 50%;text-align:left}.style-module--copyContainer--3eWSz .style-module--title--19jPm{font-size:18px;font-weight:700;color:rgba(0,0,0,.85);margin-top:0;margin-bottom:15px}.style-module--copyContainer--3eWSz .style-module--copyParagraph--2sb3Z{width:auto;font-size:14px;font-weight:300;line-height:1.79;margin-bottom:40px;color:rgba(0,0,0,.85)}@media screen and (max-width:991px){.style-module--copyContainer--3eWSz .style-module--copyParagraph--2sb3Z{margin-bottom:0}}.style-module--copyContainer--3eWSz .style-module--listButton--3BcwF{min-width:175px;text-align:center}@media screen and (max-width:991px){.style-module--copyContainer--3eWSz .style-module--listButton--3BcwF{display:none}}.style-module--listContainer--2NB6w .style-module--unorderedList--Mod8X{padding-left:20px;margin:20px 0 0 40px}@media screen and (max-width:991px){.style-module--listContainer--2NB6w .style-module--unorderedList--Mod8X{margin-left:0}}.style-module--listContainer--2NB6w .style-module--unorderedListItem--1wqXF{text-align:left}.style-module--listContainer--2NB6w .style-module--noLink--3t5n5,.style-module--listContainer--2NB6w .style-module--unorderedListLink--3IE4p{font-size:14px;font-weight:300;line-height:1.79;margin-left:10px}.style-module--listContainer--2NB6w .style-module--noLink--3t5n5{color:rgba(0,0,0,.85)}.government-module--page--3ihGK .government-module--hero--2BDaj .government-module--heroContent--M1-ls{max-width:580px;width:100%}.government-module--page--3ihGK .government-module--hero--2BDaj .government-module--heroContent--M1-ls>a{max-width:245px}@media screen and (max-width:767px){.government-module--page--3ihGK .government-module--hero--2BDaj .government-module--heroContent--M1-ls>a{display:block;margin:20px auto}}@media screen and (min-width:768px){.government-module--page--3ihGK .government-module--missionSection--1n5_j p,.government-module--page--3ihGK .government-module--operations--264Pz p{max-width:640px;width:100%;margin:auto}}.government-module--page--3ihGK .government-module--missionSection--1n5_j p,.government-module--page--3ihGK .government-module--operationsCopy--2Qahm{font-size:14px;font-weight:300;line-height:1.79;text-align:center;color:rgba(0,0,0,.85);margin-bottom:30px}.government-module--page--3ihGK .government-module--federalDataStrategy--1Q3ge{display:block}.government-module--page--3ihGK .government-module--federalDataStrategy--1Q3ge .government-module--content--33zR-{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between}@media screen and (max-width:767px){.government-module--page--3ihGK .government-module--federalDataStrategy--1Q3ge .government-module--content--33zR-{-ms-flex-direction:column;flex-direction:column}}.government-module--page--3ihGK .government-module--federalDataStrategy--1Q3ge .government-module--card--1M15R{max-width:49.5%;width:auto}@media screen and (max-width:767px){.government-module--page--3ihGK .government-module--federalDataStrategy--1Q3ge .government-module--card--1M15R{max-width:none;margin-right:0;margin-bottom:20px}}.government-module--

page--3ihGK .government-module--resourcesSection--IhntF{display:block}.government-module--page--3ihGK .government-module--resourcesSection--IhntF .government-module--content--33zR-{display:-ms-flexbox;display:flex}@media screen and (max-width:767px){.government-module--page--3ihGK .government-module--resourcesSection--IhntF .government-module--content--33zR-{-ms-flex-direction:column;flex-direction:column}}.government-module--page--3ihGK .government-module--resourcesSection--IhntF .government-module--content--33zR->div{-ms-flex:2 1;flex:2 1}.government-module--page--3ihGK .government-module--resourcesSection--IhntF .government-module--content--33zR- .government-module--card--1Ml5R{background:hsla(0,0%,96.1%,.85)}.government-module--page--3ihGK .government-module--missionSection--1n5_j .government-module--logoContainer--3EBWR{list-style:none;padding:0;display:-ms-flexbox;display:flex;-ms-flex-pack:distribute;justify-content:space-around;max-width:992px;margin:40px auto 0}@media screen and (max-width:767px){.government-module--page--3ihGK .government-module--missionSection--1n5_j .government-module--logoContainer--3EBWR{-ms-flex-wrap:wrap;flex-wrap:wrap}}.government-module--page--3ihGK .government-module--missionSection--1n5_j .government-module--logoContainer--3EBWR li{margin:20px 0}.government-module--page--3ihGK .government-module--missionSection--1n5_j .government-module--logoContainer--3EBWR li img{width:150px!important;height:auto!important}@media screen and (max-width:767px){.government-module--page--3ihGK .government-module--missionSection--1n5_j .government-module--logoContainer--3EBWR li{width:48%}}.government-module--page--3ihGK .government-module--missionSection--1n5_j .government-module--logoContainer--3EBWR li img{width:auto}.government-module--page--3ihGK .government-module--contactSection--1IxQQ>div:first-child{margin:0 auto;max-width:520px}.government-module--page--3ihGK .government-module--formWrapper--3KVA9{width:700px;max-width:90%;margin:50px auto auto}@media screen and (min-width:768px){.government-module--page--3ihGK .government-module--formWrapper--3KVA9{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap}}.government-module--page--3ihGK .government-module--formWrapper--3KVA9 .government-module--textareaContainer--3XSYY{padding:0;-ms-flex-preferred-size:100%;flex-basis:100%;height:120px}.government-module--page--3ihGK .government-module--compliance--Q5rFv{font-size:14px;color:#829494;margin:25px 0}.government-module--page--3ihGK .government-module--thankYou--3pp4v{margin-top:50px}.government-module--formInput--1cCde{margin:10px 0;padding:10px;border:2px solid rgba(130,148,148,.25);border-radius:4px;width:100%}@media screen and (min-width:768px){.government-module--formInput--1cCde{-ms-flex-preferred-size:calc(50% - 10px);flex-basis:calc(50% - 10px);margin:5px}}.government-module--formInput--1cCde textarea{width:100%;height:100%;padding:10px;border:none;resize:none;font-size:14px}.government-module--formInput--1cCde textarea::-webkit-input-placeholder{color:#829494;font-size:14px}.government-module--formInput--1cCde textarea::-moz-placeholder{color:#829494;font-size:14px}.government-module--formInput--1cCde textarea::-ms-input-placeholder{color:#829494;font-size:14px}.government-module--formInput--1cCde textarea::placeholder{color:#829494;font-size:14px}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--headerThree--CC-6d{color:#173361;font-size:28px;font-weight:500;margin-bottom:30px;text-align:left}@media screen and (max-width:767px){.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--headerThree--CC-6d{font-size:21px}}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--fullWidthWrapper--1VTyF{text-align:left;margin:40px 0}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--fullWidthWrapper--1VTyF p{color:#173361;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}@media screen and (max-width:991px){.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--pageSectionContent--27N0j{padding:50px 0}}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO table{width:100%}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--tableRowNames--3Tf_O,.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--tableTitle--qGSzL,.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO td{padding:10px 0;width:25%;text-align:center}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--

tableWrapper--154KO .apache-vs-pulsar-module--tableTitle--qGSzL,.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO td:first-of-type{ text-align:left;padding-left:20px }.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--tableTitle--qGSzL{ text-transform:uppercase;color:#0074a2;font-size:12px;background-color:#b4e1e4 }.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO td{ color:#173361;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0 }.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO td span{ display:block }.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO td:first-of-type{ color:#000;font-weight:700 }.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--tableHeaders--1E2Se{ display:-ms-flexbox;display:flex }.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--tableRowNames--3Tf_O{ color:#c5832e;font-size:18px;font-weight:700;letter-spacing:normal;text-transform:uppercase;font-weight:500 } @media screen and (max-width:991px){ .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--tableRowNames--3Tf_O{ font-size:14px } } @media screen and (max-width:991px){ .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--tableRowNames--3Tf_O span{ display:block } }.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO svg{ width:25px;height:25px;-ms-transform:rotate(-90deg);transform:rotate(-90deg);background:transparent;border-radius:50% }.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO circle{ fill:transparent;stroke:#173361;stroke-width:16;stroke-dasharray:0 50 }.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO tr:nth-of-type(odd){ background-color:#e6f5fb }.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--harveyBall-4--2H9nU{ stroke-dasharray:51 51 }.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--harveyBall-3--2T3iP{ stroke-dasharray:37.5 50 }.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--harveyBall-2--1RpIo{ stroke-dasharray:25 50 }.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--harveyBall-1--1u5c0{ stroke-dasharray:12.5 50 }.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--harveyBall-0--3OY8d{ stroke-dasharray:0 0;stroke-width:1 }.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardSectionWrapper--2g240{ margin-top:50px }.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardSectionWrapper--2g240 h3{ margin:50px 0 } @media screen and (min-width:768px){ .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc{ display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap } }.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF{ border:2px solid rgba(130,148,148,.25);margin:10px 0 } @media screen and (min-width:768px){ .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF{ -ms-flex:1 1;flex:1 1;margin:5px;-ms-flex-preferred-size:calc(50% - 10px);flex-basis:calc(50% - 10px);max-width:calc(50% - 10px) } }.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF.apache-vs-pulsar-module--fullWidth--2kPSI{ -ms-flex-preferred-size:100%;flex-basis:100%;max-width:100% } @media screen and (min-width:768px){ .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF.apache-vs-pulsar-module--fullWidth--2kPSI .apache-vs-pulsar-module--cardContentContainer--2cPsQ{ display:-ms-flexbox;display:flex } } @media screen and (min-width:768px){ .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF.apache-vs-pulsar-module--fullWidth--2kPSI .apache-vs-pulsar-module--cardContentContainer--2cPsQ div{ -ms-flex:1 1;flex:1 1 } }.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF.apache-vs-pulsar-

module--fullWidth--2kPSI .apache-vs-pulsar-module--cardContentContainer--2cPsQ div:not(:last-of-type){ margin-bottom:30px } @media screen and (min-width:768px){ .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF.apache-vs-pulsar-module--fullWidth--2kPSI .apache-vs-pulsar-module--cardContentContainer--2cPsQ div:not(:last-of-type){ margin-right:30px;margin-bottom:0 } .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF.apache-vs-pulsar-module--fullWidth--2kPSI p:not(:last-of-type){ margin-bottom:20px } .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF.apache-vs-pulsar-module--fullWidth--2kPSI .apache-vs-pulsar-module--image--1fr2P{ width:400px;max-width:100%;height:auto;-o-object-fit:cover;object-fit:cover;-ms-flex-item-align:start;align-self:flex-start } @media screen and (max-width:991px){ .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF.apache-vs-pulsar-module--fullWidth--2kPSI .apache-vs-pulsar-module--image--1fr2P{ margin-top:20px } } .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF .apache-vs-pulsar-module--imageContentContainer--3yU8p{ display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;height:100% } .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF .apache-vs-pulsar-module--imageContentContainer--3yU8p div{-ms-flex:1 1;flex:1 1 } .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF .apache-vs-pulsar-module--imageContentContainer--3yU8p a{ text-align:center } .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF .apache-vs-pulsar-module--imageContentContainer--3yU8p img{ margin-top:25px;height:320px } .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF h3{ color:#173361 } .apache-vs-pulsar-module--apacheVsPulsar--PT3YX section{ padding-bottom:0 } .apache-vs-pulsar-module--apacheVsPulsar--PT3YX section.apache-vs-pulsar-module--summary--1QHV0{ padding-bottom:100px } .apache-vs-pulsar-module--apacheVsPulsar--PT3YX section.apache-vs-pulsar-module--summary--1QHV0 p{ color:#173361;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;margin:20px 0 } .style-module--customerStories--WM-QE{ display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-wrap:wrap;flex-wrap:wrap } .style-module--customerStories--WM-QE .style-module--card--T-iTb{ width:calc(33% - 10px) } @media screen and (max-width:767px){ .style-module--customerStories--WM-QE .style-module--card--T-iTb{ margin-bottom:20px;width:100% } } .style-module--customerStories--WM-QE .style-module--card--T-iTb.style-module--noCard--1o0Rp{ box-shadow:none } .style-module--customerStories--WM-QE .style-module--imageContainer--2lXR1:not(.style-module--fullWidth--1_LRn){ height:80px } .style-module--customerStories--WM-QE .style-module--imageContainer--2lXR1:not(.style-module--fullWidth--1_LRn) img{ height:100%;width:auto } .style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7{ display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between } .style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs{ color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;text-align:left;min-width:350px } .style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs h4{ color:#8e9093;font-size:12px;font-weight:500;line-height:2.67;letter-spacing:2px;text-transform:uppercase } .style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs h5{ color:rgba(0,0,0,.85);font-size:18px;font-weight:700;letter-spacing:normal } .style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs h5 a{ color:#173361;position:relative } .style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs h5 .style-module--arrow--3aY5x{ position:absolute;right:-15px;top:6px } .style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs ul{ list-style:none;margin:0 0 20px;padding:0 } .style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li{ margin-bottom:5px;display:-ms-

flexbox;display:flex;-ms-flex-align:center;align-items:center;position:relative }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li h6{display:inline-block;padding-bottom:5px }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li .style-module--tooltipContainer--1tJBT{display:inline-block!important;margin-left:0 }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li .style-module--tooltipContainer--1tJBT h6{border-bottom-color:#babe0;cursor:help }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li .style-module--tooltipContainer--1tJBT ul{margin:0 }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li .style-module--tagline--283Q_{top:5px;margin-top:5px }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li .style-module--tagline--283Q_ .style-module--taglineText--2HXa_{color:#81cfe2;font-size:8px;font-weight:700;letter-spacing:1.43px;position:absolute;top:-12px;left:0;text-transform:uppercase }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li .style-module--licenseContainer--19yT6{position:relative;right:-5px;display:-ms-inline-flexbox;display:inline-flex;-ms-flex-direction:column;flex-direction:column }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li .style-module--licenseContainer--19yT6+.style-module--taglineText--2HXa_{left:11px }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li .style-module--licenseContainer--19yT6+h6{border-bottom:none;padding-bottom:0 }.style-module--productFeatureListingLicenseLegend--NqHMT{padding:0;list-style:none;text-align:left }.style-module--productFeatureListingLicenseLegend--NqHMT .style-module--licenseContainer--19yT6{display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;margin-bottom:3px }.style-module--productFeatureListingLicenseLegend--NqHMT .style-module--licenseContainer--19yT6>i{position:relative;left:-5px;margin-bottom:0 }.style-module--productFeatureListingLicenseLegend--NqHMT .style-module--licenseContainer--19yT6>span{color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-spacing:0 }.style-module--license--3SFD4{margin-top:2px;margin-bottom:2px;border-radius:50%;height:10px;width:10px;display:inline-block }.style-module--license--3SFD4:first-child{margin-top:0 }.style-module--license--3SFD4:last-child{margin-bottom:0 }.style-module--license--3SFD4 .style-module--oss--1HiEF{background:#000 }.style-module--license--3SFD4 .style-module--community--UzeSP{background:#b78142 }.style-module--license--3SFD4 .style-module--commercial--2qBc3{background:#81cfe2 }.style-module--form--Fb2IX{max-width:470px;margin:0 auto;width:100% }.style-module--form--Fb2IX h4{color:#173361;font-size:18px;font-weight:700;margin-bottom:25px }.style-module--form--Fb2IX .style-module--input--2JBor{line-height:1.9;padding-left:20px;padding-right:20px }.style-module--form--Fb2IX .style-module--agreement--3H1Wu{color:#829494;font-size:10px;font-weight:300;line-height:2;margin-top:15px }.style-module--form--Fb2IX .style-module--agreement--3H1Wu a{color:#829494;text-decoration:underline }.style-module--form--Fb2IX .style-module--ctaContainer--3Ib9C{margin-top:30px }.style-module--thankyou--IoZ3P{color:#173361;font-size:28px;font-weight:700 }.trust-and-security-module--trustAndSecurity--3rRmD .trust-and-security-module--content--LEELj{padding-bottom:0 }.trust-and-security-module--trustAndSecurity--3rRmD .trust-and-security-module--content--LEELj:last-of-type{padding-bottom:100px }.trust-and-security-module--trustAndSecurity--3rRmD .trust-and-security-module--content--LEELj h3{font-size:40px;font-weight:500 }.trust-and-security-module--trustAndSecurity--3rRmD .trust-and-security-module--noCardSection--rpkKy{color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0 } @media screen and (min-width:768px){.trust-and-security-module--trustAndSecurity--3rRmD .trust-and-security-module--noCardSection--rpkKy{width:50% } } @media screen and (min-width:768px){.trust-and-security-module--trustAndSecurity--3rRmD .trust-and-security-module--cardSection--2DSJW{display:-ms-

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flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:center;justify-content:center} }.trust-and-
security-module--trustAndSecurity--3rRmD .trust-and-security-module--cardSection--2DSJW p{margin-
bottom:100px;color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}.trust-and-security-
module--trustAndSecurity--3rRmD .trust-and-security-module--cardSection--2DSJW .trust-and-security-module--
card--2nTeP{border:3px solid hsla(0,0%,96.1%,.85);margin:10px;padding:15px}@media screen and (min-
width:768px){.trust-and-security-module--trustAndSecurity--3rRmD .trust-and-security-module--cardSection--
2DSJW .trust-and-security-module--card--2nTeP{-ms-flex-preferred-size:calc(33.33% - 20px);flex-
basis:calc(33.33% - 20px)}}.trust-and-security-module--trustAndSecurity--3rRmD .trust-and-security-module--
cardSection--2DSJW .trust-and-security-module--card--2nTeP>div{text-align:center}.trust-and-security-module--
trustAndSecurity--3rRmD .trust-and-security-module--cardSection--2DSJW .trust-and-security-module--card--
2nTeP img{width:70px;height:auto}@media screen and (max-width:991px){.what-is-apache-kafka-module--page--
1gMfr .what-is-apache-kafka-module--hero--1oBKZ>div{-ms-flex-direction:column;flex-
direction:column}}@media screen and (max-width:991px){.what-is-apache-kafka-module--page--1gMfr .what-is-
apache-kafka-module--hero--1oBKZ .what-is-apache-kafka-module--imageContainer--
3TVGK{display:block;margin-left:0;margin-top:60px}}.what-is-apache-kafka-module--page--1gMfr .what-is-
apache-kafka-module--hero--1oBKZ .what-is-apache-kafka-module--imageContainer--3TVGK img{border:9px
solid #81cfe2;cursor:pointer}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--
kafkaCompanySection--3iQT6 .what-is-apache-kafka-module--logoContainer--1njON{display:-ms-
flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:center;justify-content:center}.what-is-
apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaCompanySection--3iQT6 .what-is-
apache-kafka-module--logoContainer--1njON>div{-ms-flex-positive:0;flex-grow:0;-ms-flex-negative:1;flex-
shrink:1;-ms-flex-preferred-size:20%;flex-basis:20%;margin:20px 0}@media screen and (max-width:991px){.what-
is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaCompanySection--3iQT6 .what-is-
apache-kafka-module--logoContainer--1njON>div{-ms-flex-preferred-size:33.33333%;flex-
basis:33.33333%}}@media screen and (max-width:991px) and (max-width:575px){.what-is-apache-kafka-module--
page--1gMfr .what-is-apache-kafka-module--kafkaCompanySection--3iQT6 .what-is-apache-kafka-module--
logoContainer--1njON>div{-ms-flex-preferred-size:100%;flex-basis:100%}}.what-is-apache-kafka-module--page--
1gMfr .what-is-apache-kafka-module--kafkaHelpSection--3tUwv .what-is-apache-kafka-module--container--
1JCvj{text-align:left}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--
kafkaHelpSection--3tUwv .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--section--
3nQ7u{display:-ms-flexbox;display:flex;-ms-flex-align:start;align-items:flex-start;padding:50px 0}.what-is-
apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaHelpSection--3tUwv .what-is-apache-
kafka-module--container--1JCvj .what-is-apache-kafka-module--section--3nQ7u:nth-child(2n){-ms-flex-
direction:row-reverse;flex-direction:row-reverse}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-
kafka-module--kafkaHelpSection--3tUwv .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-
module--section--3nQ7u:nth-child(2n)>div:first-child{margin-right:0;margin-left:80px}.what-is-apache-kafka-
module--page--1gMfr .what-is-apache-kafka-module--kafkaHelpSection--3tUwv .what-is-apache-kafka-module--
container--1JCvj .what-is-apache-kafka-module--section--3nQ7u:nth-child(odd)>div:first-child{margin-
right:80px}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaHelpSection--3tUwv
.what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--section--3nQ7u>div{-ms-flex:1
1;flex:1 1}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaHelpSection--3tUwv
.what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--section--3nQ7u>div:first-
child{max-width:200px}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--
kafkaHelpSection--3tUwv .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--section--
3nQ7u h4{color:rgba(0,0,0,.85);font-size:18px;font-weight:700;letter-spacing:normal;margin:0 0 25px}.what-is-
apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaHelpSection--3tUwv .what-is-apache-
kafka-module--container--1JCvj .what-is-apache-kafka-module--section--3nQ7u p{color:rgba(0,0,0,.85);font-
size:16px;font-weight:300;line-height:25px;letter-spacing:0}.what-is-apache-kafka-module--page--1gMfr .what-is-

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apache-kafka-module--ebookSection--1F9gz .what-is-apache-kafka-module--card--22EH0{padding:55px}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq .what-is-apache-kafka-module--container--1JCvj{display:-ms-flexbox;display:flex}@media screen and (max-width:767px){.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq .what-is-apache-kafka-module--container--1JCvj{-ms-flex-direction:column-reverse;flex-direction:column-reverse;-ms-flex-align:center;align-items:center}}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--content--MHnSy{-ms-flex:1 1;flex:1 1;text-align:left;min-width:380px;color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}@media screen and (max-width:767px){.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--content--MHnSy{min-width:0}}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--content--MHnSy p{margin-bottom:20px}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--content--MHnSy .what-is-apache-kafka-module--ctaContainer--3WaCb{margin-top:40px}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--content--MHnSy .what-is-apache-kafka-module--ctaContainer--3WaCb a:first-child{margin-right:20px;margin-bottom:20px}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--imageContainer--3TVGK{-ms-flex:1 1;flex:1 1;max-width:440px;margin-left:60px}@media screen and (max-width:767px){.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--imageContainer--3TVGK{margin-left:0;margin-bottom:20px}}.style-module--pageList--3Lp5m h2{text-align:left;margin:0 0 50px}@media screen and (max-width:991px){.style-module--pageList--3Lp5m h2{text-align:center}}.style-module--pageList--3Lp5m .style-module--card--1Oi2-{background:hsla(0,0%,96.1%,.85)}.style-module--pageList--3Lp5m .style-module--featureSection--2oJmJ{padding-top:25px;padding-bottom:50px}.style-module--pageList--3Lp5m .style-module--featureSection--2oJmJ .style-module--cta--1oBkM{margin-top:50px}.style-module--pageList--3Lp5m .style-module--upcomingSection--11yLX{padding-top:50px}.style-module--pageList--3Lp5m .style-module--upcomingSection--11yLX .style-module--filters--2Blb4{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between}@media screen and (max-width:991px){.style-module--pageList--3Lp5m .style-module--upcomingSection--11yLX .style-module--filters--2Blb4{-ms-flex-direction:column;flex-direction:column}}@media screen and (max-width:991px){.style-module--pageList--3Lp5m .style-module--upcomingSection--11yLX .style-module--filters--2Blb4 .style-module--filterContainer--1wo0p{margin-bottom:50px}}.style-module--pageList--3Lp5m .style-module--upcomingSection--11yLX .style-module--filters--2Blb4 .style-module--filterContainer--1wo0p>{*{margin-left:10px;display:inline-block}@media screen and (max-width:991px){.style-module--pageList--3Lp5m .style-module--upcomingSection--11yLX .style-module--filters--2Blb4 .style-module--filterContainer--1wo0p>{*{margin-bottom:10px}}}.style-module--pageList--3Lp5m .style-module--upcomingSection--11yLX .style-module--filters--2Blb4 .style-module--filterContainer--1wo0p>div{width:180px}@media screen and (max-width:575px){.style-module--pageList--3Lp5m .style-module--upcomingSection--11yLX .style-module--filters--2Blb4 .style-module--filterContainer--1wo0p>button,.style-module--pageList--3Lp5m .style-module--upcomingSection--11yLX .style-module--filters--2Blb4 .style-module--filterContainer--1wo0p>div{width:100%}}.style-module--pageList--3Lp5m .style-module--upcomingSection--11yLX .style-module--card--1Oi2-.style-module--pageList--3Lp5m .style-module--upcomingSection--11yLX .style-module--card--1Oi2- h3{color:#173361}@media screen and (max-width:767px){.style-module--pageList--3Lp5m .style-module--upcomingSection--11yLX .style-module--card--1Oi2- .style-module--imageContainer--2jiv2{display:none}}.style-module--pageList--3Lp5m .style-module--upcomingSection--11yLX .style-module--pagination--XYbB4{margin-top:100px}.style-module--pageList--3Lp5m .style-module--subscribeSection--24ic1

h3{color:#173361}.style-module--pageList--3Lp5m .style-module--subscribeSection--24ic1 p{width:90%}.style-module--pageList--3Lp5m .style-module--noResults--1__V8{color:#000;font-size:28px;font-weight:500;text-align:center;width:100%}.style-module--itemsWrapper--14yen{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between;padding-left:0;margin-bottom:0}.style-module--itemsWrapper--14yen .style-module--itemWrapper--RRnC6{margin:10px;text-align:left;display:-ms-flexbox;display:flex}@media screen and (max-width:991px){.style-module--itemsWrapper--14yen .style-module--itemWrapper--RRnC6{-ms-flex:0 1 100%!important;flex:0 1 100%!important}}.style-module--itemsWrapper--14yen .style-module--itemContainer--2depM{display:-ms-flexbox;display:flex;width:100%;text-decoration:none}.style-module--itemsWrapper--14yen .style-module--icon--1rFOr{width:33px;height:33px;vertical-align:top;margin-right:10px;-ms-flex-negative:0;flex-shrink:0}.style-module--itemsWrapper--14yen .style-module--itemContent--8xqYY{-ms-flex:1 1;flex:1 1}.style-module--itemsWrapper--14yen .style-module--title--28I2K{font-size:18px;font-weight:700;color:#38cccd;line-height:1.2;margin:0 0 10px;padding:0}.style-module--itemsWrapper--14yen .style-module--summary--RCDk6{color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;width:90%}.style-module--itemsWrapper--14yen .style-module--tagline--2UXR8{font-size:12px;letter-spacing:1.2px;font-weight:500;color:#8e9093;text-transform:uppercase;margin:0 0 10px}.style-module--itemsWrapper--14yen .style-module--bulletPointList--ppPyb{color:rgba(0,0,0,.85);font-size:14px;font-weight:300;line-height:1.63;-ms-flex:1 1;flex:1 1;list-style-type:disc;padding:0 0 20px}.style-module--itemsWrapper--14yen .style-module--bulletPointList--ppPyb li{margin-bottom:5px}.style-module--itemsWrapper--14yen .style-module--bulletPointList--ppPyb li:last-child{margin-bottom:0}.style-module--itemsWrapper--14yen .style-module--ctaContainer--QdgIZ{margin-top:auto}.style-module--itemsWrapper--14yen .style-module--ctaContainer--QdgIZ a{border-bottom:2px solid transparent;line-height:2;margin-bottom:-2px;text-decoration:none;color:#173361}.style-module--itemsWrapper--14yen .style-module--ctaContainer--QdgIZ a:hover{border-bottom-color:#38cccd}.style-module--itemsWrapper--14yen .style-module--ctaIcon--3oViO{width:25px;height:25px;-ms-flex-negative:0;flex-shrink:0;-ms-flex-item-align:center;align-self:center;margin-left:5px}.style-module--itemsWrapper--14yen .style-module--ctaIcon--3oViO svg{width:100%;height:100%;fill:#0074a2}.style-module--itemsWrapper--14yen .style-module--button--Dp9Wg{margin-top:20px}.get-involved-module--helpfulLinks--3_ckN p{margin-bottom:100px}.get-involved-module--helpfulLinks--3_ckN .get-involved-module--item--2VYcO{border:2px solid rgba(130,148,148,.25);padding:20px;border-radius:4px}.get-involved-module--helpfulLinks--3_ckN .get-involved-module--item--2VYcO h4{color:#173361}.get-involved-module--helpfulLinks--3_ckN .get-involved-module--item--2VYcO ul{list-style-type:none;padding-left:0}.get-involved-module--cardWrapper--3LJmC{border:2px solid rgba(130,148,148,.25);border-radius:4px;padding:20px;text-align:left;margin:10px 0}.get-involved-module--cardWrapper--3LJmC h5{font-size:18px;font-weight:700;color:#173361;margin:10px 0}.get-involved-module--cardWrapper--3LJmC li,.get-involved-module--cardWrapper--3LJmC p,.get-involved-module--cardWrapper--3LJmC strong{margin:10px 0}.s-dotted-line-module--svgGroup--2jY-S{stroke:#f5f5f5;stroke-opacity:.85;stroke-width:7;stroke-miterlimit:10;stroke-linecap:round;stroke-linejoin:round}.lp-module--cloudPaid--3tJKb{overflow-x:hidden;overflow-y:scroll}.lp-module--cloudPaid--3tJKb h3{color:#173361;font-size:28px;font-weight:500}.lp-module--cloudPaid--3tJKb .lp-module--primaryCta--3cJf0{position:relative;z-index:2}.lp-module--cloudPaid--3tJKb .lp-module--heroWrapper--1xp8_{position:relative}.lp-module--cloudPaid--3tJKb .lp-module--heroWrapper--1xp8_ .lp-module--heroImageContainer--3zPeI{position:absolute;max-width:none;right:-50px;top:80px;z-index:1}@media screen and (min-width:1690px){.lp-module--cloudPaid--3tJKb .lp-module--heroWrapper--1xp8_ .lp-module--heroImageContainer--3zPeI{max-width:400px;position:static}}@media screen and (max-width:1550px){.lp-module--cloudPaid--3tJKb .lp-module--heroWrapper--1xp8_ .lp-module--heroImageContainer--3zPeI{max-width:400px;position:static}}.lp-module--cloudPaid--3tJKb .lp-module--heroSummary--1IiQn{margin:20px 0}.lp-module--cloudPaid--3tJKb .lp-module--heroCtaContainer--2I2so{display:block;margin-top:0}.lp-module--cloudPaid--3tJKb .lp-module--heroItem--1feeF{margin:30px 0;position:relative;z-index:2}@media screen and (min-width:768px){.lp-module--cloudPaid--3tJKb .lp-module--heroItem--1feeF{-ms-flex-preferred-size:calc(50% - 20px)!important;flex-basis:calc(50% - 20px)!important}}.lp-module--cloudPaid--

3tJKb .lp-module--heroItem--1feeF h4{color:#173361;font-weight:lighter}.lp-module--cloudPaid--3tJKb .lp-
 module--providerContent--1RhDi{position:relative}@media screen and (max-width:991px){.lp-module--cloudPaid-
 -3tJKb .lp-module--providerContent--1RhDi{width:90%;margin:auto;text-align:center}}.lp-module--cloudPaid--
 3tJKb .lp-module--doMoreSection--3iPHv h4,.lp-module--cloudPaid--3tJKb .lp-module--providerContent--1RhDi
 h4{color:#173361}.lp-module--cloudPaid--3tJKb .lp-module--doMoreSection--3iPHv p,.lp-module--cloudPaid--
 3tJKb .lp-module--providerContent--1RhDi p{font-size:16px;font-weight:lighter;line-height:25px;margin:25px
 0}@media screen and (min-width:992px){.lp-module--cloudPaid--3tJKb .lp-module--doMoreSection--3iPHv p,.lp-
 module--cloudPaid--3tJKb .lp-module--providerContent--1RhDi p,.lp-module--cloudPaid--3tJKb .lp-module--
 providerSummary--JM8tX{width:500px}}.lp-module--cloudPaid--3tJKb .lp-module--providerContentWrapper--
 2CQ-L{position:relative}.lp-module--cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF{display:-ms-
 flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-align:center;align-
 items:center;padding:0}@media screen and (max-width:991px){.lp-module--cloudPaid--3tJKb .lp-module--
 providerSectionWrapper--3UeyF{-ms-flex-direction:column-reverse;flex-direction:column-reverse}}.lp-module--
 cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF>{*{z-index:1}}.lp-module--cloudPaid--3tJKb .lp-
 module--providerSectionWrapper--3UeyF .lp-module--providerContent--1RhDi h4{color:#173361;font-
 size:18px}.lp-module--cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF .lp-module--
 providerContent--1RhDi a:first-of-type{margin-right:10px}@media screen and (max-width:991px){.lp-module--
 cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF .lp-module--providerContent--1RhDi a:first-of-
 type{margin-bottom:20px}}.lp-module--cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF .lp-
 module--providersWrapper--24zGt{padding:20px;background:#fff;border-radius:8px}@media screen and (min-
 width:768px){.lp-module--cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF .lp-module--
 providersWrapper--24zGt{position:relative;left:20px}}.lp-module--cloudPaid--3tJKb .lp-module--
 providerSectionWrapper--3UeyF .lp-module--providersWrapper--24zGt h5{margin:0 0 10px
 5px;color:#173361}.lp-module--cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF .lp-module--
 providerBoxWrapper--26EGb{display:-ms-flexbox;display:flex}@media screen and (max-width:991px){.lp-
 module--cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF .lp-module--providerBoxWrapper--
 26EGb{-ms-flex-direction:column;flex-direction:column}}.lp-module--cloudPaid--3tJKb .lp-module--
 providerSectionWrapper--3UeyF .lp-module--providerBoxWrapper--26EGb a{-ms-flex:1 1;flex:1 1}@media screen
 and (max-width:991px){.lp-module--cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF .lp-module--
 providerBoxWrapper--26EGb a{margin:10px 0}}.lp-module--cloudPaid--3tJKb .lp-module--connectorSvg--
 17Rcb{position:absolute;max-width:none;z-index:0;top:-550px;left:-638px;display:none}@media screen and (min-
 width:992px){.lp-module--cloudPaid--3tJKb .lp-module--connectorSvg--17Rcb{display:block}}@media screen and
 (max-width:991px){.lp-module--cloudPaid--3tJKb .lp-module--connectorSvg--17Rcb{top:-390px;left:-677px}}.lp-
 module--cloudPaid--3tJKb .lp-module--mobileConnectors--2IZTp{margin:40px 0;width:100%}@media screen and
 (min-width:992px){.lp-module--cloudPaid--3tJKb .lp-module--mobileConnectors--2IZTp{display:none}}@media
 screen and (min-width:992px){.lp-module--cloudPaid--3tJKb .lp-module--doMoreSection--
 3iPHv{position:absolute;right:0;bottom:-677px}}@media screen and (min-width:992px){.lp-module--cloudPaid--
 3tJKb .lp-module--democratizeSection--2vvoL{margin-top:700px;position:relative}}.lp-module--cloudPaid--3tJKb
 .lp-module--democratizeSection--2vvoL .lp-module--contentWrapper--1Xboe{padding:20px 30px;border:7px solid
 hsla(0,0%,96.1%,.85);border-radius:8px;background-color:#fff;display:-ms-flexbox;display:flex}@media screen
 and (max-width:1199px){.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--
 contentWrapper--1Xboe{-ms-flex-direction:column;flex-direction:column;padding:20px}}@media screen and
 (max-width:1199px){.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--
 textContent--2TwDa{text-align:center}}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-
 module--textContent--2TwDa p{font-size:16px;font-weight:lighter}.lp-module--cloudPaid--3tJKb .lp-module--
 democratizeSection--2vvoL .lp-module--content--4CKtc p{font-size:16px;font-weight:lighter;max-
 width:100%;line-height:25px}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--
 cliWrapper--3tA0m{-ms-flex:1 1;flex:1 1;position:relative;top:130px;left:80px;left:10px;border-radius:8px;box-

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shadow:0 0 12px 0 rgba(0,0,0,.25);border:7px solid #fff;background-color:rgba(0,0,0,.25)}@media screen and
(max-width:1199px){.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--
cliWrapper--3tA0m{top:0;left:0;margin-top:50px}}@media (min-width:1250px){.lp-module--cloudPaid--3tJKb .lp-
module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m{left:80px}}@media screen and (min-
width:768px){.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--
3tA0m .lp-module--languages--iyhEB .lp-module--languagesDropDownMobile--2LY7x{display:none}}.lp-module-
cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--languages-
iyhEB .lp-module--languagesSelectDesktop--3tw1K{display:none}@media screen and (min-width:768px){.lp-
module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--
languages--iyhEB .lp-module--languagesSelectDesktop--3tw1K{display:block}}.lp-module--cloudPaid--3tJKb .lp-
module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--languages--iyhEB span{margin-
right:30px;font-weight:700;cursor:pointer;position:relative}.lp-module--cloudPaid--3tJKb .lp-module--
democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--languages--iyhEB span.lp-module--active-
-29vL5:after{content:"";position:absolute;bottom:-14px;background-color:#0074a2;width:120%;height:2px;left:-
10%}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-
module--languages--iyhEB hr{margin:10px 0;border-top:1px solid #829494}.lp-module--cloudPaid--3tJKb .lp-
module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--cliCode--
HUVpw{position:relative;height:290px;width:600px}@media screen and (max-width:1199px){.lp-module--
cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--cliCode--
HUVpw{height:520px;width:100%;display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-
between}}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m
.lp-module--cliCode--HUVpw div{position:absolute;top:0;width:100%;height:100%;opacity:0;pointer-
events:none;transition:all .3s ease}@media screen and (max-width:1199px){.lp-module--cloudPaid--3tJKb .lp-
module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--cliCode--HUVpw
div{top:20px}}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--
3tA0m .lp-module--cliCode--HUVpw div.lp-module--active--29vL5{opacity:1;pointer-events:all}@media screen
and (max-width:1199px){.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--
cliWrapper--3tA0m .lp-module--cliCode--HUVpw div>*{word-break:break-word}}.lp-module--cloudPaid--3tJKb
.lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--content--
4CKtc{padding:40px;background:#f5f5f5;font-size:14px;font-weight:500}@media screen and (max-
width:1199px){.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--
3tA0m .lp-module--content--4CKtc{padding:40px 20px}}.lp-module--cloudPaid--3tJKb .lp-module--
democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--content--4CKtc .red{color:#d8365d}.lp-
module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--
content--4CKtc .blue{color:#173361}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-
module--cliWrapper--3tA0m .lp-module--content--4CKtc .gray{color:#829494;font-weight:lighter}.lp-module--
cloudPaid--3tJKb .lp-module--linesSvgWrapper--1mOwj .lp-module--cloudPaid--3tJKb .lp-module--
svgBlueDotWrapper--3UNbd{display:none}@media screen and (min-width:1200px){.lp-module--cloudPaid--3tJKb
.lp-module--linesSvgWrapper--1mOwj .lp-module--cloudPaid--3tJKb .lp-module--svgBlueDotWrapper--
3UNbd{display:block}}.lp-module--cloudPaid--3tJKb .lp-module--linesSvgWrapper--
1mOwj{position:absolute;bottom:-297px;left:400px}.lp-module--cloudPaid--3tJKb .lp-module--linesSvgWrapper--
1mOwj img{max-width:none}.lp-module--cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--
getStartedContentWrapper--jep6M{position:relative}@media screen and (min-width:1200px){.lp-module--
cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--getStartedContentWrapper--jep6M{padding-
top:100px}}.lp-module--cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--contentWrapper--
1Xboe{text-align:center}.lp-module--cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--
contentWrapper--1Xboe p{width:700px;max-width:100%;margin:40px auto 8rem;font-weight:lighter}.lp-module--
cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--svgBlueDotWrapper--

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3UNbd {position:absolute;left:-450px;top:150px} .lp-module--cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--providersWrapper--24zGt {display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center} @media screen and (max-width:991px) { .lp-module--cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--providersWrapper--24zGt { -ms-flex-direction:column;flex-direction:column } } .lp-module--cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--providersWrapper--24zGt img {margin:0 40px;height:25px;width:auto} @media screen and (max-width:991px) { .lp-module--cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--providersWrapper--24zGt img {margin:20px 0;-o-object-fit:contain;object-fit:contain } } .lp-module--cloudPaid--3tJKb .lp-module--pricingTierClassName--1v6FQ, .lp-module--cloudPaid--3tJKb .lp-module--rowClassName--2Ha3_>div { -ms-flex-preferred-size:33.33%;flex-basis:33.33% } .lp-module--cloudPaid--3tJKb .lp-module--rowClassName--2Ha3_ div:last-of-type {display:none} .lp-module--cloudPaid--3tJKb .lp-module--rowClassName--2Ha3_ div:nth-of-type(1n) div {display:block} .lp-module--cloudPaid--3tJKb .lp-module--accordionWrapper--8x0YM {border:7px solid hsla(0,0%,96.1%,.85);max-height:70px;margin-bottom:10px} .lp-module--cloudPaid--3tJKb .lp-module--accordionWrapper--8x0YM div {background-color:transparent} .lp-module--cloudPaid--3tJKb .lp-module--indicator--nT6o1 {top:30px} .lp-module--cloudPaid--3tJKb .lp-module--productClassName--3GJrk>div:first-of-type {text-align:center;color:#0074a2} .lp-module--cloudPaid--3tJKb .lp-module--buttonWrappers--ORW6O {margin:50px auto;text-align:center} @media screen and (max-width:991px) { .lp-module--cloudPaid--3tJKb .lp-module--buttonWrappers--ORW6O {display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column } } .lp-module--cloudPaid--3tJKb .lp-module--buttonWrappers--ORW6O button {margin-right:20px;min-width:333px} @media screen and (max-width:991px) { .lp-module--cloudPaid--3tJKb .lp-module--buttonWrappers--ORW6O button {margin-bottom:20px;margin-right:0} } .lp-module--cloudPaid--3tJKb .lp-module--notReadySection--2pAxi {padding-top:0} .lp-module--cloudPaid--3tJKb .lp-module--notReadySection--2pAxi .lp-module--heroSection--2NgW {text-align:center} .lp-module--cloudPaid--3tJKb .lp-module--notReadySection--2pAxi .lp-module--heroSection--2NgW p {margin:40px auto 100px} .lp-module--cloudPaid--3tJKb .lp-module--notReadySection--2pAxi .lp-module--card--3pJXp {background-color:hsla(0,0%,96.1%,.85)} .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--startupProgram--1GBXj {text-align:center} .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--startupProgram--1GBXj p {width:800px;max-width:100%;margin:50px auto;line-height:1.66} .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--eligibilityItem--2RhUI, .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--whatYouGetItem--3qEMr {padding:20px;background-color:#fff} .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--eligibilitySummary--1Du4x {margin-bottom:100px} .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--titleEyebrow--VeLOp {margin-top:100px} .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--formWrapper--2cxAT {width:800px;margin:auto;max-width:100%} @media screen and (min-width:768px) { .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--formWrapper--2cxAT {display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap } } .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--formWrapper--2cxAT+button {margin:50px 0} .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--formInput--jPIzn, .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--select--3heGZ, .startup-program-module--confluentCloudStartupProgram--1Kzz4 fieldset {margin:5px} @media screen and (min-width:768px) { .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--formInput--jPIzn, .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--select--3heGZ, .startup-program-module--confluentCloudStartupProgram--1Kzz4 fieldset { -ms-flex-preferred-size:calc(50% - 10px);flex-basis:calc(50% - 10px) } } .startup-program-module--confluentCloudStartupProgram--1Kzz4 fieldset label {font-size:16px;color:#173361;text-align:left;width:100%;margin-left:5px} .startup-program-module--confluentCloudStartupProgram--1Kzz4 fieldset label+div {margin:5px 0 !important} .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--textareaContainer--1eQLn {padding:0;

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ms-flex-preferred-size:calc(100% - 10px);flex-basis:calc(100% - 10px);height:120px}.startup-program-module--
confluentCloudStartupProgram--1Kzz4 textarea{ width:100%;height:100%;padding:10px;border:2px solid
hsla(0,0%,73.3%,.5);border-radius:4px;resize:none;font-size:14px}.startup-program-module--
confluentCloudStartupProgram--1Kzz4 textarea::-webkit-input-placeholder{ color:#829494;font-size:14px}.startup
program-module--confluentCloudStartupProgram--1Kzz4 textarea::-moz-placeholder{ color:#829494;font
size:14px}.startup-program-module--confluentCloudStartupProgram--1Kzz4 textarea:-ms-input-
placeholder{ color:#829494;font-size:14px}.startup-program-module--confluentCloudStartupProgram--1Kzz4
textarea::placeholder{ color:#829494;font-size:14px}.startup-program-module--confluentCloudStartupProgram--
1Kzz4 .startup-program-module--compliance--1zJwM{ font-size:14px;color:#829494}.startup-program-module--
confluentCloudStartupProgram--1Kzz4 .startup-program-module--cardWrapper--3eY4F{ text-align:left;border:2px
solid rgba(130,148,148,.25);border-radius:4px;padding:20px;margin:10px 0}.startup-program-module--
confluentCloudStartupProgram--1Kzz4 .startup-program-module--cardWrapper--3eY4F h4{ font-
size:16px;color:#173361;font-weight:700}.startup-program-module--confluentCloudStartupProgram--1Kzz4
.startup-program-module--cardWrapper--3eY4F p{ font-weight:lighter}.style-module--congratsSection--
2EQP8{ transition:all .3s ease;position:absolute;top:-30px;width:100%}.style-module--congratsSection--
2EQP8.style-module--deb--2TX30 .style-module--congratsSummary--TFgxt,.style-module--congratsSection--
2EQP8.style-module--docker--2a_E .style-module--congratsSummary--TFgxt,.style-module--congratsSection--
2EQP8.style-module--rpm--2E0-u .style-module--congratsSummary--TFgxt{ margin-top:0}.style-module--
congratsSection--2EQP8.style-module--deb--2TX30 .style-module--congratsCardContainer--m4sNv,.style-module--
congratsSection--2EQP8.style-module--docker--2a_E .style-module--congratsCardContainer--m4sNv,.style-
module--congratsSection--2EQP8.style-module--rpm--2E0-u .style-module--congratsCardContainer--
m4sNv{ margin-top:25px}.style-module--congratsSection--2EQP8 h4{ font-size:12px;color:#38ccd;letter-
spacing:1.2px;text-transform:uppercase;margin-top:30px}.style-module--congratsSection--2EQP8 .style-module--
congratslinkBelow--2UKCQ{ font-size:28px;color:#173361;font-weight:500}.style-module--congratsSection--
2EQP8 .style-module--congratsPrimaryCta--3W1pw{ margin:25px 0}.style-module--congratsSection--2EQP8 .style-
module--congratsCardSummary--2iw1g{ font-size:14px;text-align:center;margin-bottom:15px}@media screen and
(min-width:768px){ .style-module--congratsSection--2EQP8 .style-module--congratsCardSummary--2iw1g{ font-
size:16px;margin-bottom:20px}}.style-module--congratsSection--2EQP8 .style-module--congratsSummary--
TFgxt{ color:#000;font-size:15px;width:450px;max-width:95%;margin:20px auto 0}.style-module--
congratsSection--2EQP8 .style-module--congratsSummary--TFgxt p:first-of-type{ margin-bottom:70px}.style-
module--congratsSection--2EQP8 .style-module--congratsSummary--TFgxt p:nth-of-
type(2n){ width:90%;margin:auto;position:relative}.style-module--congratsSection--2EQP8 .style-module--
congratsSummary--TFgxt p:nth-of-
type(2n):after{ content:"";width:100%;height:7px;position:absolute;left:0;right:0;background-
color:hsla(0,0%,96.1%,.85);top:-40px}.style-module--congratsSection--2EQP8 .style-module--
congratsCardContainer--m4sNv{ margin-top:45px;display:-ms-flexbox;display:flex}.style-module--congratsSection--
2EQP8 .style-module--congratsCard--3b0UR{ background-color:hsla(0,0%,96.1%,.85);margin:0
5px;padding:15px;-ms-flex:1 1;flex:1 1;border-radius:4px;display:-ms-flexbox;display:flex;-ms-flex-
wrap:wrap;flex-wrap:wrap;-ms-flex-pack:center;justify-content:center}@media screen and (min-
width:768px){ .style-module--congratsSection--2EQP8 .style-module--congratsCard--3b0UR{ padding:25px}}.style-
module--congratsSection--2EQP8 .style-module--congratsCard--3b0UR h5{ margin-top:0;margin-bottom:10px;-ms-
flex:1 1;flex:1 1}@media screen and (min-width:768px){ .style-module--congratsSection--2EQP8 .style-module--
congratsCard--3b0UR h5{ margin-bottom:25px}}.style-module--congratsSection--2EQP8 .style-module--
congratsCard--3b0UR a{-ms-flex-item-align:end;align-self:flex-end}.style-module--cloudInlineContainer--
3RAr4{ position:absolute;top:-30px;width:100%;opacity:0;pointer-events:none;transition:all .3s ease}.style-module-
cloudInlineContainer--3RAr4.style-module--active--1YH-z{ opacity:1;pointer-events:auto}.style-module--
cloudInlineContainer--3RAr4 .style-module--title--2Ke9N{ margin:40px 0 35px;font-size:25px}@media screen and
(min-width:768px){ .style-module--cloudInlineContainer--3RAr4 .style-module--title--2Ke9N{ font-

```

size:28px } .style-module--cloudInlineContainer--3RAr4 .style-module--summary--3MWdf{font-size:14px;font-weight:700;width:80%;margin:auto auto 30px }.index-module--downloadPage--1B_hx h1 {margin-bottom:100px }.index-module--downloadPage--1B_hx .index-module--downloadHeroContent--58OwQ{width:100% !important} @media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X{display:-ms-flexbox;display:flex } .index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X.index-module--us--tw5hJ .index-module--tos--359VS{display:none }.index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X.index-module--us--tw5hJ .index-module--tosUS--1UABB{display:block }.index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X.index-module--us--tw5hJ .index-module--forminputWrapper--3mLza>div {margin-bottom:10px } @media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X.index-module--us--tw5hJ .index-module--forminputWrapper--3mLza>div {margin-bottom:100px } }.index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X.index-module--us--tw5hJ .index-module--customerSupport--38442,.index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X.index-module--us--tw5hJ .index-module--existingAccount--2srAO{margin:10px 0 }.index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X.index-module--us--tw5hJ .index-module--submitButton--2h0Vq{margin-top:0 } @media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X.index-module--us--tw5hJ .index-module--submitButton--2h0Vq{margin-top:30px } }.index-module--downloadPage--1B_hx .index-module--solution--FKf7o{padding:17px;background-color:#fff;margin:0 10px;border-radius:8px;-ms-flex:1 1;flex:1 1;transition:all .4s ease } @media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--solution--FKf7o.index-module--active--1NdXX{transform:scale3d(1.1,1.1,1.1);box-shadow:0 0 40px rgba(0,116,162,.2) } }.index-module--downloadPage--1B_hx .index-module--solution--FKf7o.index-module--confluent_cloud--3nrz_{margin-bottom:50px } @media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--solution--FKf7o.index-module--confluent_cloud--3nrz_{margin-bottom:0 } }.index-module--downloadPage--1B_hx .index-module--solution--FKf7o.index-module--confluent_cloud--3nrz_ .index-module--cardHero--1ArYr{background-color:#0074a2 }.index-module--downloadPage--1B_hx .index-module--solution--FKf7o.index-module--confluent_platform--3vE12 .index-module--checkboxWrapper--2fIXh{padding-left:0 }.index-module--downloadPage--1B_hx .index-module--solution--FKf7o.index-module--confluent_platform--3vE12 .index-module--cardHero--1ArYr{background-color:#38cccd }.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardHero--1ArYr{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;-ms-flex-align:center;align-items:center;padding:25px 0;border-radius:8px }.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardHero--1ArYr svg{width:40px;height:40px }.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardHero--1ArYr h2{color:#fff;margin:0 0 15px;font-size:20px }.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT{position:relative }.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT .index-module--initialCard--3c_ZU{transition:all .3s ease }.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT .index-module--initialCard--3c_ZU.index-module--confluent_cloud--3nrz_ .index-module--inactive--2BK4x,.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT .index-module--initialCard--3c_ZU.index-module--confluent_platform--3vE12.index-module--confluentPlatformInactive--3WXY7,.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT .index-module--initialCard--3c_ZU.index-module--confluent_platform--3vE12.index-module--inactive--2BK4x{opacity:0;visibility:hidden;pointer-events:none } @media screen and (max-width:991px){.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT .index-module--initialCard--3c_ZU.index-module--confluent_platform--3vE12.index-module--confluentPlatformInactive--3WXY7 .index-module--solutionListItem--17-tZ,.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT .index-module--initialCard--3c_ZU.index-module--confluent_platform--

3vE12.index-module--inactive--2BK4x .index-module--solutionListItem--17-tZ{padding:0}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--CardBody--2NwDT .index-module--initialCard--3c_ZU.index-module--confluent_platform--3vE12.index-module--confluentPlatformInactive--3WXY7 .index-module--solutionCta--2m2qB,.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--CardBody--2NwDT .index-module--initialCard--3c_ZU.index-module--confluent_platform--3vE12.index-module--inactive--2BK4x .index-module--solutionCta--2m2qB{display:none}}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--CardBody--2NwDT .index-module--initialCard--3c_ZU.index-module--confluent_cloud--3nrz_ .index-module--summary--35fZk{font-weight:500}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--CardBody--2NwDT h3{margin:30px 0}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--summary--35fZk{margin:0 auto 40px;width:80%;font-size:16px}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--providerLogosWrapper--pF2yE,.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--summary--35fZk{margin-bottom:40px}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--providerLogosWrapper--pF2yE{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--providerLogosWrapper--pF2yE img{height:18px;width:auto;margin:0 10px}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--solutionListItemContainer--2floM div:first-of-type{margin-right:0}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--solutionListItem--17-tZ{background-color:hsla(0,0%,96.1%,.85);padding:15px;border-radius:4px;margin:5px}@media screen and (min-width:992px){.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--solutionListItem--17-tZ{-ms-flex-preferred-size:calc(50% - 10px)!important;flex-basis:calc(50% - 10px)!important}}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--solutionListItem--17-tZ h4{color:#173361;font-size:16px;margin-bottom:5px}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--solutionListItem--17-tZ svg{width:25px;height:25px}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--solutionCta--2m2qB{display:block;margin:30px auto 20px}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--linkWrapper--AHrEN{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--solutionLinks--11NYN{font-size:12px;color:#0074a2;font-weight:500;text-transform:uppercase}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--solutionLinks--11NYN:first-of-type{margin-right:10px}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--solutionLinks--11NYN:last-of-type{margin-left:10px}.index-module--downloadPage--1B_hx .index-module--cloudInlineinputForm--2DP9u{width:100%;margin:5px}@media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--cloudInlineinputForm--2DP9u{width:calc(50% - 10px);max-width:220px}}.index-module--downloadPage--1B_hx .index-module--cloudInlineinputForm--2DP9u::-webkit-input-placeholder{font-size:14px}.index-module--downloadPage--1B_hx .index-module--cloudInlineinputForm--2DP9u::-moz-placeholder{font-size:14px}.index-module--downloadPage--1B_hx .index-module--cloudInlineinputForm--2DP9u:-ms-input-placeholder{font-size:14px}.index-module--downloadPage--1B_hx .index-module--cloudInlineinputForm--2DP9u::placeholder{font-size:14px}.index-module--downloadPage--1B_hx .index-module--customerSupport--38442,.index-module--downloadPage--1B_hx .index-module--existingAccount--2srAO{text-align:center;font-size:14px;margin:10px 0}.index-module--downloadPage--1B_hx .index-module--checkboxWrapper--2fIXh{position:relative;width:100%;margin:0 0 20px;color:rgba(0,0,0,.7);text-align:left}@media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--checkboxWrapper--2fIXh{padding-left:33px}}.index-module--downloadPage--1B_hx .index-module--checkboxWrapper--2fIXh input{position:absolute;opacity:0;cursor:pointer;height:0;width:0}.index-module--downloadPage--1B_hx .index-module--checkboxWrapper--2fIXh label{cursor:pointer;padding-left:30px}.index-module--downloadPage--1B_hx .index-module--checkboxWrapper--2fIXh .index-module--checkboxContainer--

32hB2{display:block;position:relative;margin-top:12px;-webkit-user-select:none;-moz-user-select:none;-ms-user-select:none;user-select:none}.index-module--downloadPage--1B_hx .index-module--tos--359VS{font-size:12px;margin-top:20px}.index-module--downloadPage--1B_hx .index-module--tos--359VS p{font-size:12px;width:80%;margin:auto;line-height:1.4;color:#829494;text-align:center;line-height:20px}.index-module--downloadPage--1B_hx.index-module--us--tw5hJ .index-module--tos--359VS{display:none}.index-module--downloadPage--1B_hx.index-module--us--tw5hJ .index-module--tosUS--1UABB{display:block}.index-module--downloadPage--1B_hx .index-module--submitButton--2h0Vq{margin-top:0}.index-module--downloadPage--1B_hx .index-module--errorContainer--3w7-7{position:absolute;font-size:14px;padding:17px 50px;left:50%;width:448px;max-width:90%;-ms-transform:translateX(-50%);transform:translateX(-50%);background-color:#fbebef;transition:all .3s ease-in-out;opacity:0;visibility:hidden;border-radius:4px;text-align:center;z-index:10}.index-module--downloadPage--1B_hx .index-module--errorContainer--3w7-7 p{text-align:center;font-size:13px;color:#d8365d}.index-module--downloadPage--1B_hx .index-module--errorContainer--3w7-7 p:first-of-type{font-weight:700;font-size:15px}.index-module--downloadPage--1B_hx .index-module--errorContainer--3w7-7.index-module--show--3U7qP{opacity:1;visibility:visible}.index-module--downloadPage--1B_hx .index-module--disabled--1CF62{opacity:.4;pointer-events:none}.index-module--downloadPage--1B_hx .index-module--automatedInput--1LpO0 div,.index-module--downloadPage--1B_hx .index-module--automatedInput--1LpO0 li{text-transform:capitalize}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4{width:100%}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4::-webkit-input-placeholder{color:#173361}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4::-moz-placeholder{color:#173361}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4::-ms-input-placeholder{color:#173361}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4::placeholder{color:#173361}.index-module--downloadPage--1B_hx .index-module--forminputWrapper--3mlZa>div{display:inline-block;width:100%;margin-top:10px}@media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--forminputWrapper--3mlZa>div{width:calc(50% - 5px)}}.index-module--downloadPage--1B_hx .index-module--forminputWrapper--3mlZa>div:first-of-type{margin-right:10px}.index-module--downloadPage--1B_hx .index-module--communityForm--b6DJm,.index-module--downloadPage--1B_hx form[name=platform-download]{width:468px;max-width:95%;margin:auto}.index-module--downloadPage--1B_hx .index-module--inputWrapper--QNdWD{display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;margin-bottom:5px}@media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--inputWrapper--QNdWD{margin-bottom:50px}}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4{border:2px solid rgba(130,148,148,.25);border-radius:4px;margin-bottom:10px;font-size:14px}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4::-webkit-input-placeholder{font-size:14px}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4::-moz-placeholder{font-size:14px}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4::-ms-input-placeholder{font-size:14px}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4::placeholder{font-size:14px}.index-module--downloadPage--1B_hx .index-module--checkboxLabelWrapper--2nB_R{display:-ms-flexbox;display:flex;margin-top:15px}.index-module--downloadPage--1B_hx .index-module--checkboxLabelWrapper--2nB_R input{position:absolute;top:0;left:5px}.index-module--downloadPage--1B_hx .index-module--checkbox--2DhQ3{width:20px;height:20px}.index-module--downloadPage--1B_hx .index-module--label--3oQpp{margin-left:30px;font-size:13px;text-align:left;font-weight:lighter}.index-module--downloadPage--1B_hx .index-module--disclaimer--VRFBN{color:#829494;font-size:12px;width:80%;margin:10px auto 0}@media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--disclaimer--VRFBN{margin:20px auto 0}}@media screen and (min-width:992px){.style-module--cyojButtons--1HfVa{-ms-flex:0 1 440px;flex:0 1 440px}}.style-module--cyojButtons--1HfVa .style-module--cyojButtonItemContainer--37zsn{display:-ms-flexbox;display:flex}@media screen and (max-width:991px){.style-module--cyojButtons--1HfVa .style-module--cyojButtonItemContainer--37zsn{-ms-flex-pack:center;justify-content:center}}.style-module--cyojButtons--1HfVa .style-module--cyojButtonItem--2sUGH{-ms-flex:0 1 100%!important;flex:0 1 100%!important;max-

width:385px;padding:20px 15px;transition:all .3s ease;background-color:#c4eff2}.style-module--cyojButtons--1HfVa .style-module--cyojButtonItem--2sUgH: hover{ cursor:pointer;background-color:#d7eff6;-ms-transform:translateX(2px);transform:translateX(2px)}.style-module--cyojButtons--1HfVa .style-module--cyojButtonItem--2sUgH h4{ color:#000}.index-module--page--2ZXnp .index-module--featuresSection--3SDMM{ border-bottom:1px solid #979797}.index-module--page--2ZXnp .index-module--heroButton--IQFhB{ margin-top:70px}.index-module--page--2ZXnp .index-module--videoSection--251ZS{ display:none;padding-bottom:0;margin-bottom:15px}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h{ padding-bottom:50px}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_{ display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;-ms-flex-direction:column;flex-direction:column;text-align:left}@media screen and (min-width:992px){ .index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_{ -ms-flex-direction:row;flex-direction:row;padding:80px 0}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_ :first-child{ padding-top:0}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_ h4{ color:#173361;font-size:28px;font-weight:500;margin:10px 0 25px}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_ p{ color:#173361;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;text-align:left;max-width:100%;margin-bottom:50px}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_>img{ margin:40px 0;max-width:80%}@media screen and (min-width:992px){ .index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_>img{ max-width:500px;width:50%;margin:0}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_>div{ padding-bottom:20px}@media screen and (min-width:992px){ .index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_>div{ margin-right:80px;width:50%}}@media screen and (min-width:992px){ .index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_ :nth-child(2n){ -ms-flex-direction:row-reverse;flex-direction:row-reverse}}@media screen and (min-width:992px){ .index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_ :nth-child(2n)>div{ margin-right:0;margin-left:80px}}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_ :last-child>img{ box-shadow:0 7px 22px 0 rgba(0,0,0,.18)}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_ .index-module--ctaContainer--vPfYP{ margin-bottom:30px;display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center}@media screen and (min-width:768px){ .index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_ .index-module--ctaContainer--vPfYP{ text-align:left}}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_ .index-module--ctaContainer--vPfYP img{ margin:0}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_ .index-module--ctaContainer--vPfYP svg{ margin-right:10px;width:30px}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_ .index-module--ctaContainer--vPfYP>a{ color:#173361;font-size:12px;font-weight:500;line-height:2.67;letter-spacing:2px;border-bottom:2px solid transparent;line-height:2;margin-bottom:-2px;text-decoration:none;text-transform:uppercase}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_ .index-module--ctaContainer--vPfYP>a: hover{ border-bottom-color:#38cccd}.index-module--page--2ZXnp .index-module--testimonial--1zkxh{ background-color:transparent;border-radius:8px;margin:0 25px;border-bottom:1px solid hsla(0,0%,59.2%,.44)}@media screen and (max-width:767px){ .index-module--page--2ZXnp .index-module--testimonial--1zkxh{ border-radius:0;margin-left:0;margin-right:0}}.index-module--page--2ZXnp .index-module--testimonial--1zkxh .index-module--carousel--3r2kH>div{ background:hsla(0,0%,96.1%,.85);border-radius:6px}.index-module--page--2ZXnp .index-module--testimonial--1zkxh .index-module--indexPagerClassName--2tStw{ overflow-x:hidden}@media screen and (max-width:991px){ .index-module--page--2ZXnp .index-module--testimonial--1zkxh .index-module--indexPagerClassName--2tStw{ overflow-x:scroll}}.index-module--page--2ZXnp .index-module--testCyoj2--1fi8L>div{ padding:20px 15px}@media screen

and (max-width:991px){.index-module--page--2ZXnp .index-module--testCyoj2--1fi8L>div{ text-align:center;-ms-flex-direction:column;flex-direction:column;padding:50px 15px }}.index-module--page--2ZXnp .index-module--testCyoj2--1fi8L .index-module--mainContent--1VUgb{ width:100% } @media screen and (min-width:992px){.index-module--page--2ZXnp .index-module--testCyoj2--1fi8L .index-module--mainContent--1VUgb{ width:70% }} @media screen and (min-width:992px){.index-module--page--2ZXnp .index-module--testCyoj2--1fi8L .index-module--rightContent--16YCw{-ms-flex:0 1 440px;flex:0 1 440px }} @media screen and (max-width:991px){.index-module--page--2ZXnp .index-module--testCyoj2--1fi8L .index-module--rightContent--16YCw{ margin-top:50px }}.index-module--introSection--2wiS_{ padding-bottom:15px } @media screen and (min-width:768px){.index-module--introSection--2wiS_{ padding-top:0;margin-top:-75px }}.index-module--introSection--2wiS_ .index-module--content--2y6NX .index-module--videoContainer--3de4T img{ cursor:pointer;max-width:580px;width:100%;margin-bottom:20px}.index-module--introSection--2wiS_ .index-module--content--2y6NX .index-module--videoContainer--3de4T p{ color:#173361;font-size:16px;line-height:26px}.index-module--introSection--2wiS_ .index-module--content--2y6NX .index-module--videoContainer--3de4T p small{ font-size:12px;font-weight:300}.index-module--quoteSection--2EqiD{ border:7px solid hsla(0,0%,96.1%,.85);border-radius:8px;padding:100px;margin-top:0;margin-bottom:15px } @media screen and (max-width:767px){.index-module--quoteSection--2EqiD{ padding:50px 25px }}.index-module--quoteSection--2EqiD h4{ color:#173361;font-size:12px;font-weight:500;letter-spacing:1.2px;text-transform:uppercase }.index-module--quoteSection--2EqiD div{ color:#173361;font-size:12px;font-weight:300;text-transform:uppercase }.index-module--quoteSection--2EqiD blockquote{ color:#38ccd;font-size:24px;font-weight:700;font-style:italic;padding:0;border:0;margin:30px 0 0;line-height:1.3 }.index-module--releaseCalendarSection--1VSYn .index-module--content--2y6NX .index-module--summary--cZ8qe{ max-width:600px;width:90%;margin:0 auto }.index-module--releaseCalendarSection--1VSYn .index-module--content--2y6NX .index-module--grid--Ab3-o{ margin-top:100px}.index-module--releaseCalendarSection--1VSYn .index-module--content--2y6NX .index-module--grid--Ab3-o .index-module--card--Oaxik{ padding:25px }.index-module--releaseCalendarSection--1VSYn .index-module--content--2y6NX .index-module--grid--Ab3-o .index-module--card--Oaxik>{*{ text-align:center }.index-module--releaseCalendarSection--1VSYn .index-module--content--2y6NX .index-module--grid--Ab3-o .index-module--card--Oaxik h3{ max-width:230px;margin:0 auto;width:100% }.index-module--releaseCalendarSection--1VSYn .index-module--content--2y6NX .index-module--grid--Ab3-o .index-module--card--Oaxik .index-module--ctaContainer--P0vas{ margin:auto 0 10px }.index-module--stayUpdatedSection--3bMUB .index-module--list--3jzNm li{ border:2px solid hsla(0,0%,96.1%,.85);border-radius:4px;padding:25px }.index-module--stayUpdatedSection--3bMUB .index-module--list--3jzNm li h4{ color:#173361 }.services-module--sectionContent--3IPMq{ margin-top:25px;margin-bottom:25px }.services-module--sectionContent--3IPMq .services-module--featureItem--1emNP{ background-color:#fff;padding:35px }.services-module--sectionContent--3IPMq .services-module--featureItem--1emNP h4{ color:#000 }.services-module--professionalServices--2mnoh .services-module--levelsSection--1NwNA h3{ width:680px;max-width:90%;margin:auto;color:#173361 } @media screen and (min-width:768px){.services-module--levelsContainer--1UGhY{ display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap }}.services-module--levelsContainer--1UGhY .services-module--levelWrapper--3etJ_{ margin:0 10px;-ms-flex:1 1;flex:1 1 }.services-module--levelsContainer--1UGhY .services-module--levelNumber--01Fe{ color:#b78142;font-size:24px }.services-module--levelsContainer--1UGhY .services-module--levelTitle--2GkBA{ font-size:12px;color:#829494;text-transform:uppercase;padding:15px 0;border-bottom:2px solid hsla(0,0%,96.1%,.85)}.services-module--levelsContainer--1UGhY .services-module--levelsCompletedBox--J_g_h{ height:90px;background:hsla(0,0%,96.1%,.85);display:-ms-flexbox;display:flex;-ms-flex-direction:column-reverse;flex-direction:column-reverse }.services-module--levelsContainer--1UGhY .services-module--levelsCompletedBox--J_g_h .services-module--fadeLevelElement--37r88{ width:100%;height:20%;position:relative;display:block }.services-module--levelsContainer--1UGhY .services-module--levelSubTitle--2Y3Jr{ font-size:14px;padding:15px 0;color:#173361;border-bottom:2px solid hsla(0,0%,96.1%,.85);text-align:left;min-height:70px }.services-module--levelsContainer--1UGhY .services-module--levelsUnorderedList--2BRg{ list-style-type:disc;padding-left:5px;font-size:12px }.services-module--

levelsContainer--1UGhY .services-module--levelsListItem--2Ks7L { text-align:left;margin:15px 0 }.services-module--levelsContainer--1UGhY .services-module--level1--1XMHR { background-color:#e6f5fb }.services-module--levelsContainer--1UGhY .services-module--level2--1mRB6 { background-color:#b4e1e4 }.services-module--levelsContainer--1UGhY .services-module--level3--1b23n { background-color:#81cfe2 }.services-module--levelsContainer--1UGhY .services-module--level4--28gIy { background-color:#0074a2 }.services-module--levelsContainer--1UGhY .services-module--level5--1oRnw { background-color:#173361 }.services-module--howWeWorkWrapper--2HWk2 { text-align:left;padding:25px;background-color:#fff;margin-top:100px } @media screen and (max-width:767px) { .services-module--howWeWorkWrapper--2HWk2 { background-color:hsla(0,0%,96.1%,.85);text-align:center } }.services-module--howWeWorkSectionTitle--3Xxgl { font-size:28px;font-weight:500 }.services-module--engageBulletPointList--34lhS { margin-bottom:40px;padding-left:15px }.services-module--engageBulletPointItem--3LyLB { margin:15px 0;font-size:14px }.services-module--titleTableWrapper--2nAyT { display:-ms-flexbox;display:flex;background-color:hsla(0,0%,96.1%,.85);margin:15px 0;padding:25px } @media screen and (max-width:767px) { .services-module--titleTableWrapper--2nAyT { display:none } }.services-module--titleTableWrapper--2nAyT .services-module--table--1s4Ut { -ms-flex:1 1;flex:1 1 }.services-module--titleTableWrapper--2nAyT .services-module--tableHead--2cWUO { border-bottom:7px solid #fff;padding-bottom:25px;width:33% }.services-module--titleTableWrapper--2nAyT .services-module--tableRow--1fegK:not(:last-of-type) { border-bottom:2px solid #fff }.services-module--titleTableWrapper--2nAyT .services-module--tableData--2Q4Vf { padding:15px 0;font-size:14px }.services-module--titleTableWrapper--2nAyT .services-module--tableData--2Q4Vf a { color:#0074a2 }.services-module--consultingTitle--3UtOe,.services-module--tableTitle--2qtfX { margin:0 60px 0 0;width:15ch;line-height:1.2;letter-spacing:1.2px }.services-module--consultingWrapper--2FSj7 { padding:75px 25px;display:-ms-flexbox;display:flex;background-color:hsla(0,0%,96.1%,.85) } @media screen and (max-width:767px) { .services-module--consultingWrapper--2FSj7 { display:none } }.services-module--mobileSectionWrapper--3Y5aQ { text-align:center } @media screen and (min-width:768px) { .services-module--mobileSectionWrapper--3Y5aQ { display:none } }.services-module--mobileSectionWrapper--3Y5aQ .services-module--mobileTitle--1kNDb { padding-bottom:30px;border-bottom:7px solid #fff }.services-module--mobileSectionWrapper--3Y5aQ .services-module--mobileList--1nV-2,.services-module--mobileSectionWrapper--3Y5aQ .services-module--mobileListItem--2Sotr { padding:12px 0 }.services-module--mobileSectionWrapper--3Y5aQ .services-module--mobileListItem--2Sotr { border-bottom:2px solid #fff }.services-module--mobileSectionWrapper--3Y5aQ .services-module--mobileListItem--2Sotr a { color:#173361 }.services-module--ctaButton--3iqVy { margin-top:100px }.training-module--training--3zAl6 .training-module--item--i_dAy { padding:30px 20px;background-color:#fff }.training-module--training--3zAl6 .training-module--item--i_dAy h4 { color:#173361 }.training-module--training--3zAl6 .training-module--jumpWrapper--3wumc { margin-top:50px } @media screen and (min-width:768px) { .training-module--training--3zAl6 .training-module--jumpWrapper--3wumc { display:-ms-flexbox;display:flex } }.training-module--training--3zAl6 .training-module--jumpWrapper--3wumc .training-module--jumpItemWrapper--1CcRz { display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;-ms-flex-preferred-size:calc(50% - 100px);flex-basis:calc(50% - 100px);margin:50px } @media screen and (min-width:768px) { .training-module--training--3zAl6 .training-module--jumpWrapper--3wumc .training-module--jumpItemWrapper--1CcRz { margin:50px 90px } }.training-module--training--3zAl6 .training-module--jumpWrapper--3wumc .training-module--jumpItemWrapper--1CcRz .training-module--icon--J6e5z { width:64px;height:64px;margin:auto }.training-module--training--3zAl6 .training-module--jumpWrapper--3wumc .training-module--jumpItemWrapper--1CcRz h4 { margin-top:20px;font-size:28px;font-weight:500;color:#173361 }.training-module--training--3zAl6 .training-module--jumpWrapper--3wumc .training-module--jumpItemWrapper--1CcRz p { margin:20px 0;-ms-flex:1 1;flex:1 1 }.training-module--training--3zAl6 .training-module--jumpWrapper--3wumc .training-module--jumpItemWrapper--1CcRz a { -ms-flex-item-align:center;align-self:center }.training-module--training--3zAl6 .training-module--learningPathsWrapper--392uo .training-module--summary--jGfIP { width:800px;max-width:90%;margin:auto }.training-module--training--3zAl6 .training-module--mainTile--2qI8h { margin-

top:50px;background-color:#173361;padding:40px;color:#fff;border-radius:8px}.training-module--training--3zAl6 .training-module--mainTile--2qI8h h4{margin-bottom:20px}.training-module--training--3zAl6 .training-module--mainTile--2qI8h p{font-weight:lighter;color:hsla(0,0%,96.1%,.85)}@media screen and (min-width:768px){.training-module--training--3zAl6 .training-module--columnWrapper--vqs_A{display:-ms-flexbox;display:flex}}.training-module--training--3zAl6 .training-module--trackColumn--3JQ0P{-ms-flex-preferred-size:100%;flex-basis:100%}@media screen and (min-width:768px){.training-module--training--3zAl6 .training-module--trackColumn--3JQ0P{-ms-flex-preferred-size:calc(50% - 10px);flex-basis:calc(50% - 10px);margin:0 5px}}.training-module--training--3zAl6 .training-module--trackWrapper--2n2Ie{margin:40px 0}.training-module--training--3zAl6 .training-module--trackWrapper--2n2Ie h3,.training-module--training--3zAl6 .training-module--trackWrapper--2n2Ie h4{font-weight:700;color:#173361}.training-module--training--3zAl6 .training-module--trackWrapper--2n2Ie h4{font-size:21px;padding-bottom:40px;margin:0;position:relative}.training-module--training--3zAl6 .training-module--trackWrapper--2n2Ie h4:before{display:none}@media screen and (min-width:768px){.training-module--training--3zAl6 .training-module--trackWrapper--2n2Ie h4:before{display:block}}.training-module--training--3zAl6 .training-module--trackWrapper--2n2Ie h3{font-size:18px;margin-bottom:20px}.training-module--training--3zAl6 .training-module--trackWrapper--2n2Ie p{font-size:16px}.training-module--training--3zAl6 .training-module--trackWrapper--2n2Ie .training-module--contentWrapper--7vfjv{background-color:#d7eff6;padding:40px;border-radius:8px;position:relative;min-height:240px}.training-module--training--3zAl6 .training-module--trackWrapper--2n2Ie .training-module--contentWrapper--7vfjv p{color:#000}.training-module--training--3zAl6 .training-module--contentWrapper--7vfjv.training-module--dottedLine--3LVdy:before,.training-module--training--3zAl6 .training-module--trackWrapper--2n2Ie h4:before{content:"";width:2px;height:25px;border:1px dashed #829494;position:absolute;left:50%;top:-30px}.training-module--training--3zAl6 .training-module--competitiveList--1v2ZW h4{font-weight:500;font-size:14px;line-height:15px;color:#173361;letter-spacing:.1em;text-transform:uppercase}.training-module--training--3zAl6 .training-module--competitiveList--1v2ZW .training-module--competitiveListItemWrapper--xvg6L{margin-top:50px}@media screen and (min-width:768px){.training-module--training--3zAl6 .training-module--competitiveList--1v2ZW .training-module--competitiveListItemWrapper--xvg6L{display:-ms-flexbox;display:flex}}.training-module--training--3zAl6 .training-module--competitiveList--1v2ZW .training-module--competitiveListItemWrapper--xvg6L a{-ms-flex:1 1;flex:1 1}.training-module--training--3zAl6 .training-module--competitiveList--1v2ZW .training-module--competitiveListItemWrapper--xvg6L .training-module--competitiveListItem--9CGyo{background-color:#b4e1e4;-ms-flex-preferred-size:100%;flex-basis:100%;margin:30px 0;padding:35px 40px;border-radius:8px;position:relative}@media screen and (min-width:768px){.training-module--training--3zAl6 .training-module--competitiveList--1v2ZW .training-module--competitiveListItemWrapper--xvg6L .training-module--competitiveListItem--9CGyo{-ms-flex-preferred-size:calc(50% - 10px);flex-basis:calc(50% - 10px);margin:0 5px}}.training-module--training--3zAl6 .training-module--competitiveList--1v2ZW .training-module--competitiveListItemWrapper--xvg6L .training-module--competitiveListItem--9CGyo svg{position:absolute;top:17px;left:calc(50% - 17px)}@media screen and (min-width:768px){.training-module--training--3zAl6 .training-module--competitiveList--1v2ZW .training-module--competitiveListItemWrapper--xvg6L .training-module--competitiveListItem--9CGyo svg{left:calc(50% - 8px)}}.training-module--training--3zAl6 .training-module--competitiveList--1v2ZW .training-module--competitiveListItemWrapper--xvg6L .training-module--competitiveListItem--9CGyo h5{font-weight:700;font-size:18px;line-height:23px;text-align:center;color:#173361}.training-module--training--3zAl6 .training-module--resourceItem--jSSBu{-ms-flex-preferred-size:100%!important;flex-basis:100%!important;background-color:#fff;padding:25px;margin:5px 0;border-radius:8px}.training-module--training--3zAl6 .training-module--resourceItem--jSSBu h4{color:#173361}.training-module--training--3zAl6 .training-module--contactSection--2NDa0 h3{color:#173361;width:700px;max-width:95%;margin:0 auto 20px}.training-module--training--3zAl6 .training-module--formWrapper--5h42K{max-width:600px;margin:40px auto 0}@media screen and (min-width:768px){.training-module--training--3zAl6 .training-module--formWrapper--5h42K{display:-ms-

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flexbox;display:flex;-ms-flex-align:center;align-items:center;-ms-flex-wrap:wrap;flex-wrap:wrap } }.training-
module--training--3zAl6 .training-module--formWrapper--5h42K .training-module--formInputDiv--
3SCsU,.training-module--training--3zAl6 .training-module--formWrapper--5h42K input{-ms-flex-preferred-
size:calc(50% - 10px);flex-basis:calc(50% - 10px);margin:5px }.training-module--training--3zAl6 .training-module--
formWrapper--5h42K .training-module--state--1dtzQ{opacity:0;pointer-events:none;transition:all .2s ease }.training-
module--training--3zAl6 .training-module--formWrapper--5h42K .training-module--show--
1A9cH{opacity:1;pointer-events:auto }.training-module--training--3zAl6 .training-module--formWrapper--5h42K
button{margin:50px auto 0 } @media screen and (max-width:767px){.training-module--training--3zAl6 .training-
module--formWrapper--5h42K button{margin-top:25px;margin-left:0 } }.training-module--training--3zAl6 .training-
module--formWrapper--5h42K textarea{width:100%;height:100%;padding:10px;border:none;resize:none;font-
size:14px;border:2px solid rgba(130,148,148,.25);border-radius:4px }.training-module--training--3zAl6 .training-
module--formWrapper--5h42K textarea::-webkit-input-placeholder{color:#829494;font-size:14px }.training-module-
-training--3zAl6 .training-module--formWrapper--5h42K textarea::-moz-placeholder{color:#829494;font-
size:14px }.training-module--training--3zAl6 .training-module--formWrapper--5h42K textarea:-ms-input-
placeholder{color:#829494;font-size:14px }.training-module--training--3zAl6 .training-module--formWrapper--
5h42K textarea::placeholder{color:#829494;font-size:14px }.training-module--training--3zAl6 .training-module--
formWrapper--5h42K .training-module--textareaContainer--3x7vs{-ms-flex-preferred-size:100%;flex-
basis:100% }.training-module--training--3zAl6 .training-module--disclaimer--3ahJU{font-weight:300;font-
size:16px;color:#829494;margin-top:25px }.training-module--training--3zAl6 .training-module--thankYou--
1Yrzn{margin-top:50px;font-size:20px }.style-module--imageContainer--bXGzM img{width:250px } @media screen
and (max-width:767px){.style-module--logosContentContainer--28fgQ{padding:50px } } @media screen and (min-
width:768px){.style-module--logosContent--3FV2R{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-
content:space-between } }.style-module--logos--3A4oE{height:80px;width:auto;max-width:180px;-o-object-
fit:contain;object-fit:contain } @media screen and (max-width:767px){.style-module--logos--
3A4oE{display:block;margin:50px auto } }.style-module--whyWrapper--1wuBn{background-
color:#fff;padding:65px 15px 0 } @media screen and (min-width:992px){.style-module--whyWrapper--
1wuBn{padding:100px 150px 65px !important } }.style-module--whyWrapper--1wuBn .style-module--whySummary-
-3z6Nx{margin-bottom:50px }.style-module--whyWrapper--1wuBn .style-module--item--1__t0{-ms-flex:0 1
300px !important;flex:0 1 300px !important;margin-bottom:50px }.style-module--whyWrapper--1wuBn .style-
module--item--1__t0 h5{color:#173361 } @media screen and (min-width:992px){.style-module--whyWrapper--
1wuBn .style-module--item--1__t0{-ms-flex-preferred-size:calc(50% - 20px) !important;flex-basis:calc(50% -
20px) !important } }.style-module--whyWrapper--1wuBn .style-module--item--1__t0>div:first-child{margin-
right:15px }.style-module--whyWrapper--1wuBn .style-module--copy--22gHW{font-weight:300;line-
height:1.86;color:#000;font-size:14px;text-align:center;margin-top:37px;margin-bottom:85px }.style-module--
featuresSummary--1SumP{width:800px;max-width:90%;margin:0 auto 50px } @media screen and (min-
width:768px){.style-module--ctaContentWrapper--1LgW6{display:-ms-flexbox;display:flex } }.style-module--
ctaItem--2ZJ67{-ms-flex:1 1;flex:1 1;position:relative } @media screen and (min-width:768px){.style-module--
ctaItem--2ZJ67:first-of-type:after{content:"";width:2px;height:100%;top:0;background-
color:rgba(130,148,148,.25);position:absolute:right:0 } } @media screen and (max-width:991px){.style-module--
ctaItem--2ZJ67{margin:50px auto } }.style-module--ctaItem--2ZJ67 h3{width:80%;margin:0 auto 30px;font-
size:18px;font-weight:700;color:#173361 }.style-module--tryConfluent--msw3g{max-width:990px;margin:0
auto } @media screen and (min-width:768px){.style-module--tryConfluent--msw3g .style-module--
productContainer--2hTfN{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-
between } }.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product-
1QvjF{text-align:center;background-color:#fff;position:relative;border-radius:4.2px;width:100% } @media screen
and (min-width:768px){.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-
module--product--1QvjF{position:relative;min-height:328px;margin:0;max-width:480px } } @media screen and
(min-width:768px){.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--

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product--1QvjF:first-child{margin-right:30px} .style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF:last-child .style-module--content--Yu3YZ{margin-bottom:0} .style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF h5{color:rgba(0,0,0,.85);font-size:28px;font-weight:500}@media screen and (max-width:767px){.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF h5{font-size:21px}} .style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF p{color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;margin-top:30px;min-height:80px}@media screen and (max-width:767px){.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF p{min-height:auto;margin-bottom:35px}} .style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF .style-module--smallTitle--257dk{color:#173361;font-size:12px;font-weight:500;line-height:2.67;letter-spacing:2px;text-transform:uppercase} .style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF .style-module--icon--20nvY{position:absolute;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%);top:-30px} .style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF .style-module--content--Yu3YZ{padding:53px 40px 30px;margin-bottom:60px;border-radius:4.2px}@media screen and (min-width:768px){.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF .style-module--content--Yu3YZ{margin-bottom:0}} .style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF .style-module--ctaContainer--1q6Xl{margin-bottom:40px} .style-module--tryConfluent--msw3g .style-module--disclaimer--2Z9-a{margin:15px;font-size:14px;font-weight:700;line-height:1.79;text-align:left} .style-module--tooltip--2A6h4{display:inline-block;position:relative;vertical-align:top;margin-left:3px} .style-module--tooltip--2A6h4.underline .style-module--bottomRight--Gz-Xz{position:absolute;left:0;width:100%;border-bottom:1px solid #babe00;margin-left:0} .style-module--tooltip--2A6h4.underline .style-module--hidden--k4GRS{width:250px;left:-70px} .style-module--tooltip--2A6h4.underline .style-module--hidden--k4GRS:before{display:none} .style-module--tooltip--2A6h4.underline .style-module--default--1Q4QX{opacity:0;pointer-events:none} .style-module--tooltip--2A6h4 p{color:#4a4a4a;font-size:12px;font-weight:300;letter-spacing:.4px;line-height:1.5;margin:0} .style-module--tooltip--2A6h4 .style-module--default--1Q4QX{border-radius:20px;border:1px solid #8e9093;color:#8e9093;font-size:8px;padding:1px 5px} .style-module--tooltip--2A6h4 .style-module--content--3mxKy{transition:opacity .25s ease-in-out} .style-module--tooltip--2A6h4 .style-module--content--3mxKy .style-module--hidden--k4GRS{background:#fff;border:1px solid #eee;opacity:0;position:absolute;pointer-events:none;margin:20px 5px;padding:10px;z-index:20} .style-module--tooltip--2A6h4 .style-module--content--3mxKy .style-module--arrow--1YkB5{margin:30px 5px} .style-module--tooltip--2A6h4 .style-module--content--3mxKy .style-module--arrow--1YkB5:before{content:"";display:block;position:absolute;width:0;height:0;border-left:10px solid transparent;border-right:10px solid transparent;border-bottom:10px solid #fff} .style-module--tooltip--2A6h4 .style-module--bottomRight--Gz-Xz .style-module--default--1Q4QX+div{top:0;left:-20px} .style-module--tooltip--2A6h4 .style-module--bottomRight--Gz-Xz>div:before{top:-8px;left:14px} .style-module--tooltip--2A6h4 .style-module--bottomLeft--viYel .style-module--default--1Q4QX+div{top:0;left:-224px} .style-module--tooltip--2A6h4 .style-module--bottomLeft--viYel>div:before{top:-8px;left:214px} .style-module--tooltip--2A6h4: hover .style-module--hidden--k4GRS{opacity:1;pointer-events:auto}@media (max-width:576px){.style-module--tooltip--2A6h4{display:none}} .confluent-platform-module--page--108H6 .confluent-platform-module--heroSection--3-7Yr .confluent-platform-module--content--1j_Al{max-width:820px;width:100%} .confluent-platform-module--page--108H6 .confluent-platform-module--recognition--1oskr{background:rgba(180,225,228,.3);padding:31px 0 40px}@media screen and (min-width:768px){.confluent-platform-module--page--108H6 .confluent-platform-module--recognition--1oskr{padding:186px 0 40px}} .confluent-platform-module--page--108H6 .confluent-platform-module--recognition--1oskr .confluent-platform-module--pager--sIXL4{-ms-flex-pack:distribute;justify-content:space-around} .confluent-platform-module--page--108H6 .confluent-platform-module--recognition--1oskr .confluent-platform-module--pager--sIXL4 li{margin-left:10px;margin-right:10px} .confluent-platform-module--

page--108H6 .confluent-platform-module--recognition--1oskr .confluent-platform-module--pager--sIXL4 li:first-child{margin-left:0}.confluent-platform-module--page--108H6 .confluent-platform-module--recognition--1oskr .confluent-platform-module--pager--sIXL4 li:last-child{margin-right:0}.confluent-platform-module--page--108H6 .confluent-platform-module--boxShadowContainer--1f1Pk{background-color:#fff;padding:100px 0}@media screen and (min-width:992px){.confluent-platform-module--page--108H6 .confluent-platform-module--boxShadowContainer--1f1Pk{padding:100px 45px 60px }}@media screen and (min-width:992px){.confluent-platform-module--page--108H6 .confluent-platform-module--boxShadowContainer--1f1Pk .confluent-platform-module--benefitsWrapper--1XJqz{-ms-flex-pack:space-evenly;justify-content:space-evenly }}@media screen and (min-width:992px){.confluent-platform-module--page--108H6 .confluent-platform-module--boxShadowContainer--1f1Pk .confluent-platform-module--benefitsItem--1Y0HU{-ms-flex-negative:0;flex-shrink:0;-ms-flex-positive:1;flex-grow:1;-ms-flex-preferred-size:calc(33% - 20px)!important;flex-basis:calc(33% - 20px)!important;margin-bottom:40px }}.confluent-platform-module--page--108H6 .confluent-platform-module--benefitSection--2IVM6,.confluent-platform-module--page--108H6 .confluent-platform-module--storySection--3XSuj{background:rgba(180,225,228,.3)}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R{margin-top:80px}@media screen and (min-width:768px){.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center }}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R ul{list-style-type:none;padding-left:0}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R ul li{color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;text-align:center;background-color:rgba(180,225,228,.3);margin:8px 0;border-radius:2px;padding:5px 0;text-decoration:underline}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R h5{font-size:14px;font-weight:700;text-align:center;color:#0074a2;margin:21px auto 35px;width:60%;text-transform:uppercase}@media screen and (min-width:768px){.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R h5{width:70% }}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R>div{border:6px solid #f3f4f7;-ms-flex:0 1 33%;flex:0 1 33%;padding:30px 30px 50px;position:relative}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R>div:first-of-type{border-bottom:0}@media screen and (min-width:768px){.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R>div:first-of-type{border-bottom:6px solid #f3f4f7;border-left:6px solid #f3f4f7 }}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R>div:last-of-type{border-top:0}@media screen and (min-width:768px){.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R>div:last-of-type{border-top:6px solid #f3f4f7;border-right:6px solid #f3f4f7 }}@media screen and (min-width:768px){.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R>div{border-width:6px 3px;padding-bottom:30px }}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R .style-module--title--2n Pun{padding:9px 35px;border-radius:6px;background-color:hsla(0,0%,96.1%,.85);font-size:12px;font-weight:500;letter-spacing:2.67px;color:#173361;position:absolute;-ms-transform:translate(-50%,-54px);transform:translate(-50%,-54px);text-transform:uppercase}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featureApacheKafka--NzqQR{padding:30px;background-color:hsla(0,0%,96.1%,.85)}@media screen and (min-width:768px){.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featureApacheKafka--NzqQR{margin:0 5px }}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featureApacheKafka--NzqQR span{font-size:18px;font-weight:700;color:#0074a2}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--platformAdjectives--25Kx4{border:6px solid #f3f4f7;margin-top:20px}@media screen and (min-width:768px){.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--platformAdjectives--25Kx4{margin:5px }}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--platformAdjectives--25Kx4 ul{list-style-type:none;display:-ms-flexbox;display:flex;-ms-flex-pack:distribute;justify-content:space-around;padding:20px 0}@media screen and (max-width:991px){.style-module--confluentPlatformBenefitPersonas--

3PCk0 .style-module--platformAdjectives--25Kx4 ul{-ms-flex-direction:column;flex-direction:column} .style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--platformAdjectives--25Kx4 ul:first-of-type{border-bottom:1px dashed #d4d0d0} .style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--platformAdjectives--25Kx4 ul:first-of-type li{-ms-flex:0 1 33%;flex:0 1 33%} .style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--platformAdjectives--25Kx4 ul li{color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;-ms-flex:0 1 25%;flex:0 1 25%;margin:10px 0} .style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--platformAdjectives--25Kx4 ul li.style-module--highlight--hT6ki{color:#173361;font-size:18px;font-weight:700;text-transform:uppercase;-ms-flex:1 1 40%;flex:1 1 40%}@media screen and (max-width:991px){.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--platformAdjectives--25Kx4 ul li.style-module--highlight--hT6ki{-ms-flex-order:-1;order:-1}} .style-module--content--2ruvk{text-align:center} .style-module--formContainer--1XMLD{height:auto;top:50%;margin-top:0;width:100%;max-width:700px;min-height:420px;position:relative;border-radius:5px} .style-module--formContainer--1XMLD form .style-module--buttonContainer--3C_YP{width:100%;margin:20px 0} .style-module--formContainer--1XMLD form .style-module--select--1OhVX{-webkit-appearance:none;letter-spacing:1px;border:1.1px solid #eceff2;font-size:12px;background:#fff;width:100%;text-transform:uppercase;text-align:left;color:rgba(0,0,0,.7);position:relative;padding:0} .style-module--formContainer--1XMLD form .style-module--select--1OhVX>div{padding:0 10px} .style-module--formContainer--1XMLD form .style-module--select--1OhVX>div:first-child{padding:10px 0 10px 25px;cursor:pointer;text-align:left} .style-module--formContainer--1XMLD form .style-module--select--1OhVX.style-module--error--2nMVD{border:1px solid #df2d58} .style-module--formContainer--1XMLD form .style-module--select--1OhVX.style-module--error--2nMVD .style-module--options--3_n0T{border-right-color:#df2d58;border-left-color:#df2d58;border-bottom-color:#df2d58} .style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--options--3_n0T{position:absolute;left:-1px;right:-1px;z-index:9;background:#fff;border-right:1.1px solid #eceff2;border-left:1.1px solid #eceff2;border-bottom:1.1px solid #eceff2;top:43px;transition:max-height .5s ease-in-out;overflow:hidden;max-height:0;border-bottom-left-radius:4px;border-bottom-right-radius:4px;border-top-left-radius:0;border-top-right-radius:0;text-align:left} .style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--options--3_n0T>div{margin-bottom:10px;padding:10px 10px 20px;background:#edf0f5;position:relative} .style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--options--3_n0T h6{display:inline-block;font-size:12px;margin:10px 0;color:#000;font-weight:500} .style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--options--3_n0T ul{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between;text-align:left;margin:0;list-style:none;padding:0} .style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--options--3_n0T ul li{background:#fff;-ms-flex:1 1;flex:1 1;text-align:center;border:1px solid #e3e4e5;border-radius:4px;font-size:12px;text-transform:uppercase;font-weight:300;letter-spacing:1px;color:#000;margin:0 10px 0 0;padding:10px 0;cursor:pointer;line-height:1.2;width:calc((100% - 30px)/2)} .style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--options--3_n0T ul li:hover{background-color:rgba(37,123,215,.5);color:#fff;font-weight:500} .style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--options--3_n0T ul li.style-module--selected--3IV6f{background-color:#257bd7;color:#fff;font-weight:500} .style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--options--3_n0T .style-module--divider--1qB1j{position:absolute;top:-20px;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%);border:3px solid #fff;width:30px;height:30px;text-align:center;border-radius:50%;background:#f7f9fc;font-weight:700;text-transform:uppercase} .style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--arrow--CsSfj{width:20px;height:20px;display:inline-block;top:24px;right:20px;left:auto;position:absolute} .style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--arrow--CsSfj:after,.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--arrow--CsSfj:before{content:"";position:absolute;background-

color:#8e9093;width:15px;height:1px;transition:all .4s cubic-bezier(1,.07,.28,1.04)}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--arrow--CsSfj:before{-ms-transform:rotate(45deg);transform:rotate(45deg)}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--arrow--CsSfj:after{-ms-transform:rotate(-45deg);transform:rotate(-45deg);left:11px}.style-module--formContainer--1XMLD form .style-module--select--1OhVX.style-module--expanded--1Lbrq{border-bottom:0;border-bottom-left-radius:0;border-bottom-right-radius:0}.style-module--formContainer--1XMLD form .style-module--select--1OhVX.style-module--expanded--1Lbrq .style-module--options--3_n0T{max-height:220px}.style-module--formContainer--1XMLD form .style-module--select--1OhVX.style-module--expanded--1Lbrq .style-module--arrow--CsSfj:before{-ms-transform:rotate(135deg);transform:rotate(135deg)}.style-module--formContainer--1XMLD form .style-module--select--1OhVX.style-module--expanded--1Lbrq .style-module--arrow--CsSfj:after{-ms-transform:rotate(-135deg);transform:rotate(-135deg);left:11px}.style-module--formContainer--1XMLD .style-module--titleContainer--WVppj h6{display:inline-block;font-size:16px;font-weight:500;color:#2a2a2d;margin-bottom:24px}.style-module--formContainer--1XMLD .style-module--titleContainer--WVppj .tooltip-hidden{left:-200px!important}.style-module--checkboxWrapper--2IEzb{position:relative;width:100%;margin-top:20px;color:rgba(0,0,0,.7);text-align:left}.style-module--checkboxWrapper--2IEzb input{position:absolute;opacity:0;cursor:pointer;height:0;width:0}.style-module--checkboxWrapper--2IEzb label{cursor:pointer;padding-left:30px}.style-module--checkboxWrapper--2IEzb .style-module--checkboxContainer--2b_qe{display:block;position:relative;padding-left:35px;margin-top:12px;-webkit-user-select:none;-moz-user-select:none;-ms-user-select:none;user-select:none}.style-module--tos--3pYRd{font-size:12px}.style-module--tos--3pYRd p{font-size:12px;width:80%;line-height:1.4;color:rgba(0,0,0,.7);text-align:justify;margin:auto auto 15px}.style-module--tosUS--3c4R4,.style-module--us--2ibcg .style-module--tos--3pYRd{display:none}.style-module--us--2ibcg .style-module--tosUS--3c4R4{display:block}.modal-is-visible{overflow:hidden}.modal-is-visible .style-module--formPlatformDownloadModal--1rKbi.style-module--show--2NTMt{top:50%;left:50%;-ms-transform:translate(-50%,-50%);transform:translate(-50%,-50%)}.style-module--accordionItemWrapper--2qcVC{margin-bottom:2px;transition:all .5s ease}.style-module--accordionItemWrapper--2qcVC.style-module--collapsible--rOU3f{max-height:64px;overflow:hidden}.style-module--accordionItemWrapper--2qcVC.style-module--collapsible--rOU3f .style-module--accordionPanel--19rjo{opacity:0;transition:all .4s ease .1s}.style-module--accordionItemWrapper--2qcVC.style-module--collapsible--rOU3f .style-module--accordionTitle--1k8jN{cursor:pointer}.style-module--accordionItemWrapper--2qcVC.style-module--collapsible--rOU3f .style-module--indicator--2cYbX{display:block}.style-module--accordionItemWrapper--2qcVC.style-module--open--2SWVx{overflow:visible}.style-module--accordionItemWrapper--2qcVC.style-module--open--2SWVx .style-module--accordionItem--204fj .style-module--accordionPanel--19rjo{opacity:1}.style-module--accordionTitle--1k8jN{color:#173361;font-size:18px;font-weight:700;letter-spacing:normal;text-align:left;padding:20px 50px 20px 20px;color:#000;background-color:#e6f5fb;position:relative}@media screen and (max-width:767px){.style-module--accordionTitle--1k8jN{font-size:16px}}.style-module--accordionAltIndicator--F2VHE{display:inline-block;position:absolute;right:2rem}.style-module--indicator--2cYbX{right:50px;position:absolute;top:35px;display:none}.style-module--purple--3ncYI .style-module--accordionTitle--1k8jN{background:rgba(85,29,157,.1);color:#551d9d}.style-module--purple--3ncYI .style-module--accordionItem--204fj{background:rgba(85,29,157,.03)}.style-module--green--3oE7a .style-module--accordionTitle--1k8jN{background:rgba(21,158,134,.1);color:#159e86}.style-module--green--3oE7a .style-module--accordionItem--204fj{background:rgba(21,158,134,.03)}.style-module--blue--1F6u1 .style-module--accordionTitle--1k8jN{background:rgba(13,172,204,.1);color:#0dacc}.style-module--blue--1F6u1 .style-module--accordionItem--204fj{background:rgba(13,172,204,.03)}.style-module--orange--1yfx_ .style-module--accordionTitle--1k8jN{background:rgba(227,125,98,.1);color:#e37d62}.style-module--orange--1yfx_ .style-module--accordionItem--204fj{background:rgba(227,125,98,.03)}.style-module--grey--1DKMw .style-module--accordionTitle--1k8jN{background:rgba(88,120,140,.1);color:#58788c}.style-module--grey--1DKMw .style-module--accordionItem--204fj{background:rgba(88,120,140,.03)}.style-module--tiersSection--1QkAs{display:-ms-

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flexbox;display:flex;-ms-flex-pack:distribute;justify-content:space-around;margin-top:100px;margin-
bottom:50px}.style-module--tiersSection--1QkAs .style-module--tierContainer--1g6eK{-ms-flex-preferred-
size:25%;flex-basis:25%;text-align:left}.style-module--tiersSection--1QkAs .style-module--tierContainer--
1g6eK>p{font-size:13px;width:60%;margin:20px auto 20px 0}.style-module--tiersSection--1QkAs .style-module--
tierContainer--1g6eK .style-module--tooltip--1tWod{-webkit-text-decoration-color:#b78142;text-decoration-
color:#b78142;cursor:help}.style-module--tiersSection--1QkAs .style-module--tierContainer--1g6eK .style-module-
-tooltip--1tWod div{border:2px solid #b4e1e4;width:75%!important;padding:20px 40px;border-radius:8px}.style-
module--tiersSection--1QkAs .style-module--tierContainer--1g6eK .style-module--tooltip--1tWod div p{text-
align:center}@media screen and (max-width:991px){.style-module--tiersSection--1QkAs .style-module--
tierContainer--1g6eK .style-module--tooltip--1tWod div{display:none}}@media screen and (max-
width:991px){.style-module--tiersSection--1QkAs .style-module--tierContainer--1g6eK .style-module--
tierctaButtons--1CAwD{padding:10px 12px}}@media screen and (max-width:991px){.style-module--
featuresSection--1BRNK,.style-module--tiersSection--1QkAs{display:none}}.style-module--tierTitle--
ud9Z0{color:#b78142;font-size:18px;font-weight:700;letter-spacing:normal;margin-
bottom:35px;display:block;text-align:left}@media screen and (max-width:991px){.style-module--tierTitle--
ud9Z0{text-align:center}}.style-module--tooltip--1tWod{text-decoration:underline;display:block}.style-module--
rowTitle--2FP-M{background:hsla(0,0%,96.1%,.85);padding:13px 20px;letter-spacing:1.2px;font-size:18px;font-
weight:700;text-align:left}@media screen and (max-width:767px){.style-module--rowTitle--2FP-M{font-
size:14px}}.style-module--row--3dCMI{display:-ms-flexbox;display:flex;border:2px solid
hsla(0,0%,96.1%,.85)}.style-module--row--3dCMI.style-module--title--
3Tzw4{background:hsla(0,0%,96.1%,.85)}.style-module--row--3dCMI .style-module--rowItem--
3ZC1B{width:25%;text-align:left;padding:13px 0;font-size:13px}.style-module--row--3dCMI .style-module--
rowItem--3ZC1B:first-of-type{font-weight:500}.style-module--row--3dCMI .style-module--rowItem--3ZC1B:first-
of-type div:nth-child(2){font-weight:300;color:rgba(0,0,0,.85);font-size:11px}.style-module--row--3dCMI .style-
module--rowItem--3ZC1B:nth-of-type(3n) div:nth-child(2){margin-bottom:20px}@media screen and (max-
width:991px){.style-module--row--3dCMI .style-module--rowItem--3ZC1B{font-size:12px}}.style-module--row--
3dCMI .style-module--rowItem--3ZC1B .style-module--rowItemTooltip--1Cd48{cursor:help;margin-
right:0}@media screen and (max-width:991px){.style-module--row--3dCMI .style-module--rowItem--3ZC1B
.style-module--rowItemTooltip--1Cd48{display:block;font-size:12px}}.style-module--row--3dCMI .style-module--
rowItem--3ZC1B .style-module--rowItemTooltip--1Cd48>span{display:block}.style-module--row--3dCMI .style-
module--rowItem--3ZC1B .style-module--rowItemTooltip--1Cd48>span div:first-child{text-decoration:underline;-
webkit-text-decoration-color:#000;text-decoration-color:#000;max-width:210px}.style-module--row--3dCMI .style-
module--rowItem--3ZC1B .style-module--rowItemTooltip--1Cd48>div{border:1px solid #b4e1e4;text-
transform:none}@media screen and (max-width:991px){.style-module--row--3dCMI .style-module--rowItem--
3ZC1B .style-module--rowItemTooltip--1Cd48>div{display:none}}.style-module--row--3dCMI .style-module--
rowItem--3ZC1B h4{font-size:12px}@media screen and (max-width:991px){.style-module--row--3dCMI .style-
module--rowItem--3ZC1B h4{font-size:11px}}.style-module--row--3dCMI .style-module--rowItem--3ZC1B:first-
of-type{padding-left:20px;letter-spacing:1.2px;font-size:12px;text-transform:uppercase}.style-module--disclaimer--
2tIQN{font-size:12px;font-weight:700;line-height:1.79;text-align:right;padding:12px 0}@media screen and (max-
width:991px){.style-module--disclaimer--2tIQN{display:none}}.style-module--mobileViewWrapper--
2oK4O{display:none}@media screen and (max-width:991px){.style-module--mobileViewWrapper--
2oK4O{display:block}}.style-module--mobileView--3YxAf .style-module--tier--2LIItI{margin:50px}.style-module-
-mobileView--3YxAf .style-module--tier--2LIItI h3{text-align:center}.style-module--mobileView--3YxAf .style-
module--tier--2LIItI p{font-size:12px;margin-bottom:35px}.style-module--mobileView--3YxAf .style-module--
mobileRow--1MKZU{display:-ms-flexbox;display:flex;border:2px solid hsla(0,0%,96.1%,.85);padding:15px 60px
15px 20px;-ms-flex-pack:justify;justify-content:space-between;font-size:14px}.style-module--mobileView--3YxAf
.style-module--mobileRow--1MKZU>div:first-child{text-align:left}.style-module--mobileView--3YxAf .style-
module--mobileRow--1MKZU>div:last-child{text-align:right}.style-module--container--

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Fuoc8{position:relative}.style-module--tabContainer--2EeGl{margin-top:65px;position:relative;display:-ms-
flexbox;display:flex;-ms-flex-pack:center;justify-content:center}.style-module--tabContainer--2EeGl:after,.style-
module--tabContainer--2EeGl:before{content:"";position:absolute;width:35%;top:50%;border:3px solid
hsla(0,0%,96.1%,.85);-ms-transform:translateY(-50%);transform:translateY(-50%)}@media screen and (max-
width:991px){.style-module--tabContainer--2EeGl:after,.style-module--tabContainer--
2EeGl:before{display:none}}.style-module--tabContainer--2EeGl:after{left:0}.style-module--tabContainer--
2EeGl:before{right:0}.style-module--tabWrapper--1MIKN{display:-ms-flexbox;display:flex;border:1px solid
#d1d1d1;padding:15px 30px;border-radius:4px;-ms-flex-wrap:wrap;flex-wrap:wrap;text-align:center;z-
index:1;background-color:#fff;cursor:pointer}@media screen and (min-width:992px){.style-module--tabWrapper--
1MIKN:first-of-type{border-radius:4px 0 4px;border-right:none}}@media screen and (min-width:992px){.style-
module--tabWrapper--1MIKN:last-of-type{border-left:none;border-radius:0 4px 4px 0}}.style-module--
tabWrapper--1MIKN.style-module--active--3mpSI{color:#fff;background-color:#173361}.style-module--
tabSubTitle--3FtQx,.style-module--tabTitle--2Nc3h{width:100%;font-weight:500}.style-module--tabTitle--
2Nc3h{text-transform:uppercase;font-size:12px;font-stretch:normal;letter-spacing:.76px}.style-module--
tabSubTitle--3FtQx{margin:0;font-size:14px}.style-module--container--30Ip7{border-radius:8px;margin:50px
0;padding:50px 20px;background:#173361;color:#fff}.style-module--container--30Ip7 a:hover{-webkit-text-
decoration-color:#fff;text-decoration-color:#fff}.style-module--container--30Ip7 a h4{color:#fff;font-size:21px;font-
weight:700;margin:0;display:inline}.style-module--container--30Ip7 a div{margin-left:7px;display:inline-
block;vertical-align:middle;top:-10px}.rc-slider{position:relative;height:14px;padding:5px 0;width:100%;border-
radius:6px;-ms-touch-action:none;touch-action:none}.rc-slider,.rc-slider *{box-sizing:border-box;-webkit-tap-
highlight-color:rgba(0,0,0,0)}.rc-slider-rail{width:100%;background-color:#e9e9e9}.rc-slider-rail,.rc-slider-
track{position:absolute;height:4px;border-radius:6px}.rc-slider-track{left:0;background-color:#abe2fb}.rc-slider-
handle{position:absolute;width:14px;height:14px;cursor:pointer;cursor:-webkit-grab;margin-top:-
5px;cursor:grab;border-radius:50%;border:2px solid #96dbfa;background-color:#fff;-ms-touch-action:pan-x;touch-
action:pan-x}.rc-slider-handle-dragging.rc-slider-handle-dragging.rc-slider-handle-dragging{border-
color:#57c5f7;box-shadow:0 0 5px #96dbfa}.rc-slider-handle:focus{outline:none}.rc-slider-handle-click-
focused:focus{border-color:#96dbfa;box-shadow:unset}.rc-slider-handle:hover{border-color:#57c5f7}.rc-slider-
handle:active{border-color:#57c5f7;box-shadow:0 0 5px #57c5f7;cursor:-webkit-grabbing;cursor:grabbing}.rc-
slider-mark{position:absolute;top:18px;left:0;width:100%;font-size:12px}.rc-slider-mark-
text{position:absolute;display:inline-block;vertical-align:middle;text-align:center;cursor:pointer;color:#999}.rc-
slider-mark-text-active{color:#666}.rc-slider-
step{position:absolute;width:100%;height:4px;background:transparent}.rc-slider-dot{position:absolute;bottom:-
2px;margin-left:-4px;width:8px;height:8px;border:2px solid #e9e9e9;background-color:#fff;cursor:pointer;border-
radius:50%;vertical-align:middle}.rc-slider-dot-active{border-color:#96dbfa}.rc-slider-dot-reverse{margin-right:-
4px}.rc-slider-disabled{background-color:#e9e9e9}.rc-slider-disabled .rc-slider-track{background-color:#ccc}.rc-
slider-disabled .rc-slider-dot,.rc-slider-disabled .rc-slider-handle{border-color:#ccc;box-shadow:none;background-
color:#fff;cursor:not-allowed}.rc-slider-disabled .rc-slider-dot,.rc-slider-disabled .rc-slider-mark-text{cursor:not-
allowed!important}.rc-slider-vertical{width:14px;height:100%;padding:0 5px}.rc-slider-vertical .rc-slider-
rail{height:100%;width:4px}.rc-slider-vertical .rc-slider-track{left:5px;bottom:0;width:4px}.rc-slider-vertical .rc-
slider-handle{margin-left:-5px;-ms-touch-action:pan-y;touch-action:pan-y}.rc-slider-vertical .rc-slider-
mark{top:0;left:18px;height:100%}.rc-slider-vertical .rc-slider-step{height:100%;width:4px}.rc-slider-vertical .rc-
slider-dot{left:2px;margin-bottom:-4px}.rc-slider-vertical .rc-slider-dot:first-child,.rc-slider-vertical .rc-slider-
dot:last-child{margin-bottom:-4px}.rc-slider-tooltip-zoom-down-appear,.rc-slider-tooltip-zoom-down-enter,.rc-
slider-tooltip-zoom-down-leave{-webkit-animation-duration:.3s;animation-duration:.3s;-webkit-animation-fill-
mode:both;animation-fill-mode:both;display:block!important;-webkit-animation-play-state:paused;animation-play-
state:paused}.rc-slider-tooltip-zoom-down-appear.rc-slider-tooltip-zoom-down-appear-active,.rc-slider-tooltip-
zoom-down-enter.rc-slider-tooltip-zoom-down-enter-active{-webkit-animation-
name:rcSliderTooltipZoomDownIn;animation-name:rcSliderTooltipZoomDownIn;-webkit-animation-play-

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state:running;animation-play-state:running}.rc-slider-tooltip-zoom-down-leave.rc-slider-tooltip-zoom-down-leave-
active{-webkit-animation-name:rcSliderTooltipZoomDownOut;animation-name:rcSliderTooltipZoomDownOut;-
webkit-animation-play-state:running;animation-play-state:running}.rc-slider-tooltip-zoom-down-appear,.rc-slider-
tooltip-zoom-down-enter{-ms-transform:scale(0);transform:scale(0);-webkit-animation-timing-function:cubic-
bezier(.23,1,.32,1);animation-timing-function:cubic-bezier(.23,1,.32,1)}.rc-slider-tooltip-zoom-down-leave{-
webkit-animation-timing-function:cubic-bezier(.755,.05,.855,.06);animation-timing-function:cubic-
bezier(.755,.05,.855,.06)}@-webkit-keyframes rcSliderTooltipZoomDownIn{0%{opacity:0;transform-origin:50%
100%;transform:scale(0)}to{transform-origin:50% 100%;transform:scale(1)}}@keyframes
rcSliderTooltipZoomDownIn{0%{opacity:0;transform-origin:50% 100%;transform:scale(0)}to{transform-
origin:50% 100%;transform:scale(1)}}@-webkit-keyframes rcSliderTooltipZoomDownOut{0%{transform-
origin:50% 100%;transform:scale(1)}to{opacity:0;transform-origin:50% 100%;transform:scale(0)}}@keyframes
rcSliderTooltipZoomDownOut{0%{transform-origin:50% 100%;transform:scale(1)}to{opacity:0;transform-
origin:50% 100%;transform:scale(0)}}.rc-slider-tooltip{position:absolute;left:-9999px;top:-
9999px;visibility:visible}.rc-slider-tooltip,.rc-slider-tooltip*{box-sizing:border-box;-webkit-tap-highlight-
color:rgba(0,0,0,0)}.rc-slider-tooltip-hidden{display:none}.rc-slider-tooltip-placement-top{padding:4px 0 8px}.rc-
slider-tooltip-inner{padding:6px 2px;min-width:24px;height:24px;font-size:12px;line-height:1;color:#fff;text-
align:center;text-decoration:none;background-color:#6c6c6c;border-radius:6px;box-shadow:0 0 4px #d9d9d9}.rc-
slider-tooltip-arrow{position:absolute;width:0;height:0;border-color:transparent;border-style:solid}.rc-slider-tooltip-
placement-top .rc-slider-tooltip-arrow{bottom:4px;left:50%;margin-left:-4px;border-width:4px 4px 0;border-top-
color:#6c6c6c}.style-module--pricingCalculator--D5Y17{position:relative;z-index:1}@media screen and (max-
width:767px){.style-module--pricingCalculator--D5Y17{-ms-flex-direction:column;flex-direction:column}}.style-
module--pricingCalculator--D5Y17 .style-module--container--2yYu5{display:-ms-flexbox;display:flex}@media
screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--container--2yYu5{-ms-
flex-direction:column;flex-direction:column}}.style-module--pricingCalculator--D5Y17 .style-module--
mainCalculator--YXJeD{display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-
direction:column;width:77.8rem}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17
.style-module--mainCalculator--YXJeD{width:100%;-ms-flex-direction:column;flex-direction:column}}.style-
module--pricingCalculator--D5Y17 .style-module--accordion--1Xd_0{height:-webkit-max-content;height:-moz-
max-content;height:max-content}.style-module--pricingCalculator--D5Y17 .style-module--accordionItem--
3qJxX{border:7px solid hsla(0,0%,96.1%,.85);border-radius:8px;min-height:12.5rem;background:#fff;margin-
bottom:1rem}.style-module--pricingCalculator--D5Y17 .style-module--accordionItem--3qJxX:last-of-type{margin-
bottom:0}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--
accordionItem--3qJxX{border:none;max-height:none}}.style-module--pricingCalculator--D5Y17 .style-module--
accordionItemActive--1Z_Bc{box-sizing:border-box;background:#fff}.style-module--pricingCalculator--D5Y17
.style-module--accordionItemActive--1Z_Bc .style-module--accordionItemTitle--2H98i{background:#fff;font-
size:2.1rem;font-weight:500}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17
.style-module--accordionItemActive--1Z_Bc .style-module--accordionItemTitle--2H98i{font-size:2.1rem;font-
weight:500}}.style-module--pricingCalculator--D5Y17 .style-module--accordionItemTitle--
2H98i{background:hsla(0,0%,96.1%,.85);font-size:1.8rem;font-weight:400;padding:4.5rem 2rem;transition:all
.35s;position:relative}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-
module--accordionItemTitle--2H98i{font-size:2.1rem;font-weight:500;padding:2rem 3.75rem 0;line-height:1.6;min-
height:0;text-align:center;background:none}}.style-module--pricingCalculator--D5Y17 .style-module--
accordionItemTitleRight--3qb7l{color:#173361;font-weight:300;font-size:1.6rem;display:inline-
block;position:absolute;right:2rem}@media screen and (max-width:767px){.style-module--pricingCalculator--
D5Y17 .style-module--accordionItemTitleRight--3qb7l{display:none}}.style-module--pricingCalculator--D5Y17
.style-module--accordionItemTitleValue--131ck{display:inline-block;width:auto;padding-left:1.5rem}.style-
module--pricingCalculator--D5Y17 .style-module--accordionItemIndicator--
1YIUh{display:none!important}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17

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.style-module--accordionItemPanel--2tczN{ opacity: !important; padding-left: 1.2rem; padding-right: 1.2rem; border-bottom: .7rem solid hsla(0,0%,96.1%,.85)}.style-module--pricingCalculator--D5Y17 .style-module--accordionItemPanel--2tczN:last-of-type{ border-bottom: none }.style-module--pricingCalculator--D5Y17 .style-module--section1--1-8KW{ padding: 3.2rem 3.6rem 2.5rem } @media screen and (max-width: 767px){ .style-module--pricingCalculator--D5Y17 .style-module--section1--1-8KW{ padding: 3.2rem 0 2.5rem } }.style-module--pricingCalculator--D5Y17 .style-module--fieldLabel--3DLKq{ font-size: 12px; line-height: 1.5rem; letter-spacing: .1rem; padding: .5rem 0; text-transform: uppercase; font-weight: 500 } @media screen and (max-width: 767px){ .style-module--pricingCalculator--D5Y17 .style-module--fieldLabel--3DLKq{ font-size: 12px; line-height: 1.5rem } }.style-module--pricingCalculator--D5Y17 .style-module--providerContainer--1uY8E{ display: -ms-flexbox; display: flex; -ms-flex-pack: justify; justify-content: space-between } @media screen and (max-width: 767px){ .style-module--pricingCalculator--D5Y17 .style-module--providerContainer--1uY8E{ -ms-flex-direction: column; flex-direction: column; -ms-flex-align: center; align-items: center } }.style-module--pricingCalculator--D5Y17 .style-module--ctaContainer--uZcE3{ margin-top: 6.5rem; text-align: center } @media screen and (max-width: 767px){ .style-module--pricingCalculator--D5Y17 .style-module--ctaContainer--uZcE3{ display: none } }.style-module--pricingCalculator--D5Y17 .style-module--sectionButton--3V1mf: hover{ color: #0074a2 }.style-module--pricingCalculator--D5Y17 .style-module--providerLabel--1OdUe{ width: 32%; text-align: center; border-radius: .4rem; border: 1px solid rgba(130,148,148,.25); padding: .4rem 0; cursor: pointer } @media screen and (max-width: 767px){ .style-module--pricingCalculator--D5Y17 .style-module--providerLabel--1OdUe{ width: 90%; padding: .2rem 0 } }.style-module--pricingCalculator--D5Y17 .style-module--providerRadio--2TVAt: checked+.style-module--providerLabel--1OdUe{ padding: 3.9rem 0; border: 2px solid #0074a2 } @media screen and (max-width: 767px){ .style-module--pricingCalculator--D5Y17 .style-module--providerRadio--2TVAt: checked+.style-module--providerLabel--1OdUe{ padding: 1.9rem 0 } }.style-module--pricingCalculator--D5Y17 .style-module--providerRadio--2TVAt{ -webkit-appearance: none; -moz-appearance: none; appearance: none; border: none; display: inline; width: 0; height: 0 }.style-module--pricingCalculator--D5Y17 .style-module--section2--dCKMt{ padding: 3.2rem 3.6rem 2.5rem } @media screen and (max-width: 767px){ .style-module--pricingCalculator--D5Y17 .style-module--section2--dCKMt{ padding: 3.2rem 0 2.5rem } }.style-module--pricingCalculator--D5Y17 .style-module--regionContainer--3x-x5{ display: -ms-flexbox; display: flex; -ms-flex-direction: column; flex-direction: column } @media screen and (max-width: 767px){ .style-module--pricingCalculator--D5Y17 .style-module--regionContainer--3x-x5{ -ms-flex-direction: column-reverse; flex-direction: column-reverse } }.style-module--pricingCalculator--D5Y17 .style-module--tip--2PliS .style-module--tooltip--385jI{ border: .2rem solid #d7eff6; border-radius: .8rem; padding: .3rem }.style-module--pricingCalculator--D5Y17 .style-module--tip--2PliS .style-module--tooltip--385jI p{ line-height: 2.5rem; font-size: 1.4rem; text-transform: none }.style-module--pricingCalculator--D5Y17 .style-module--sectionSplit--LnwRO{ margin-top: 1.5rem; display: -ms-flexbox; display: flex; -ms-flex-pack: justify; justify-content: space-between } @media screen and (max-width: 767px){ .style-module--pricingCalculator--D5Y17 .style-module--sectionSplit--LnwRO{ -ms-flex-direction: column; flex-direction: column } }.style-module--pricingCalculator--D5Y17 .style-module--sectionSplitPart--2IPi_{ width: 48%; text-align: left } @media screen and (max-width: 767px){ .style-module--pricingCalculator--D5Y17 .style-module--sectionSplitPart--2IPi_{ text-align: center; width: auto; margin: .5rem } }.style-module--pricingCalculator--D5Y17 .style-module--sectionSplitPartRight--1L7Kv{ width: 48%; text-align: right } @media screen and (max-width: 767px){ .style-module--pricingCalculator--D5Y17 .style-module--sectionSplitPartRight--1L7Kv{ text-align: center; width: auto; margin: .5rem } }.style-module--pricingCalculator--D5Y17 .style-module--radioToggle--FwXVV{ display: block }.style-module--pricingCalculator--D5Y17 .style-module--radioToggleContainer--2AgyV{ display: block; padding: 0; margin: 0; border-radius: 2.5rem; background: hsla(0,0%,96.1%,.85) } @media screen and (max-width: 767px){ .style-module--pricingCalculator--D5Y17 .style-module--radioToggleContainer--2AgyV{ background: rgba(130,148,148,.25) } }.style-module--pricingCalculator--D5Y17 .style-module--radioToggleRadio--2iXdJ{ -webkit-appearance: none; -moz-appearance: none; appearance: none; border: none; display: inline }.style-module--pricingCalculator--D5Y17 .style-

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module--radioToggleLabel--2WfMo{padding:.5rem 0;width:50%;text-align:center;border-radius:2.5rem;background:transparent;border:2px solid transparent;font-size:12px;color:#829494;text-transform:uppercase;margin:0;opacity:1}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--radioToggleLabel--2WfMo{padding:.5rem 0}}.style-module--pricingCalculator--D5Y17 .style-module--radioToggleInvalid--2i_eO{opacity:.5;text-decoration:line-through;cursor:not-allowed}.style-module--pricingCalculator--D5Y17 .style-module--radioToggleRadio--2iXdJ:checked+.style-module--radioToggleLabel--2WfMo{background:#0074a2;color:#fff}.style-module--pricingCalculator--D5Y17 .style-module--radioToggleRadio--2iXdJ:active+.style-module--radioToggleLabel--2WfMo,.style-module--pricingCalculator--D5Y17 .style-module--radioToggleRadio--2iXdJ:focus+.style-module--radioToggleLabel--2WfMo{border-color:rgba(130,148,148,.25)}.style-module--pricingCalculator--D5Y17 .style-module--radioToggleRadio--2iXdJ:checked:active+.style-module--radioToggleLabel--2WfMo,.style-module--pricingCalculator--D5Y17 .style-module--radioToggleRadio--2iXdJ:checked:focus+.style-module--radioToggleLabel--2WfMo{border-color:#173361}.style-module--pricingCalculator--D5Y17 .style-module--section3--2NVYM{padding:0 3.6rem 5rem}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--section3--2NVYM{padding:0 0 5rem}}.style-module--pricingCalculator--D5Y17 .style-module--sliderContainer--1W4g0{margin:.5rem 0 2.5rem}.style-module--pricingCalculator--D5Y17 .style-module--slider--3yHlc{margin:0}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--slider--3yHlc{margin-left:1.5rem;width:calc(100vw - 6rem)}}.style-module--pricingCalculator--D5Y17 .style-module--display--20DIQ{display:block;width:38.5rem;margin-left:1.8rem;background:#fff;box-shadow:0 4px 20px rgba(0,0,0,.25);border-radius:8px;padding:1.7rem 2.5rem 2.5rem}.style-module--pricingCalculator--D5Y17 .style-module--display--20DIQ .style-module--sectionSplit--LnwRO{margin:.8rem 0}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--display--20DIQ{width:100%;margin:1rem 0;height:auto;padding:1.6rem}.style-module--pricingCalculator--D5Y17 .style-module--display--20DIQ .style-module--sectionSplit--LnwRO{-ms-flex-direction:row;flex-direction:row}.style-module--pricingCalculator--D5Y17 .style-module--display--20DIQ .style-module--sectionSplitPart--2IPi_{width:49%;text-align:left}.style-module--pricingCalculator--D5Y17 .style-module--display--20DIQ .style-module--sectionSplitPartRight--1L7Kv{width:49%;text-align:right}}.style-module--pricingCalculator--D5Y17 .style-module--displayHeading--2YFNw{font-size:1.6rem;font-weight:700;color:#173361;margin:0 0 1rem;text-align:left}.style-module--pricingCalculator--D5Y17 .style-module--displayHeadingRight--2YZUJ{font-size:1.6rem;font-weight:700;color:#173361;margin:0 0 1rem;text-align:right}.style-module--pricingCalculator--D5Y17 .style-module--displayLabel--3Czd1{text-transform:uppercase;color:#829494;font-size:1.2rem;letter-spacing:.1em;text-align:left}.style-module--pricingCalculator--D5Y17 .style-module--displayRate--6lzLc{font-size:1.6rem;font-weight:300;white-space:nowrap;text-align:left}.style-module--pricingCalculator--D5Y17 .style-module--displayNumber--19Obs{font-size:2.4rem;font-weight:500;color:#173361;line-height:2}.style-module--pricingCalculator--D5Y17 .style-module--displayButton--2W6-3{width:100%;margin:2rem 0 1rem}.style-module--pricingCalculator--D5Y17 .style-module--displayTotal--3qT-N{font-size:3.5rem;font-weight:700;color:#173361;line-height:1;margin-bottom:1.5rem}.style-module--pricingCalculator--D5Y17 .style-module--marketingText--2XB0U{text-align:center;color:#173361;font-size:1.4rem}.style-module--pricingCalculator--D5Y17 .style-module--displayDiscount--lkCPC{display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;padding:1rem 0}.style-module--pricingCalculator--D5Y17 .style-module--discountStripe--1UpvG{-ms-flex-positive:1;flex-grow:1;border-radius:.7rem;height:.7rem;background-color:#c5832e}.style-module--pricingCalculator--D5Y17 .style-module--discountNumber--1cCud{display:inline-block;width:auto;margin-left:1.5rem;color:#c5832e;font-size:1.8rem;font-weight:700}.style-module--pricingCalculator--D5Y17 .style-module--disclaimerText--OKPyn{text-align:center;padding:1.5rem 0 0;font-size:1.2rem}.style-module--calculatorHead--1gPIe{position:relative}.style-module--calculatorHeadTitle--1S4o-{text-align:center}.style-module--calculatorHeadSummary--2M6_A{text-align:center;width:700px;max-width:100%;margin:40px auto;font-weight:lighter}.style-module--cardsContainer--1b4zg{padding:5rem 0;display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-

between}@media screen and (max-width:767px){.style-module--cardsContainer--1b4zg{-ms-flex-direction:column;flex-direction:column}}.style-module--calculatorCard--Q2frv{border:7px solid hsla(0,0%,96.1%,.85);width:49%;padding:6rem}@media screen and (max-width:767px){.style-module--calculatorCard--Q2frv:first-of-type{margin-bottom:1.5rem}}.style-module--calculatorCard--Q2frv .style-module--calculatorCardContent--GnTWx{text-align:center;font-weight:700;font-size:1.8rem;line-height:2.3rem;color:#173361;height:12rem}.style-module--calculatorCard--Q2frv>div>div{text-align:center}@media screen and (max-width:767px){.style-module--calculatorCard--Q2frv{width:auto;padding:3rem}.style-module--calculatorCard--Q2frv .style-module--calculatorCardContent--GnTWx{font-size:1.6rem}}.index-module--page--1UpMf .index-module--hero--PIh19 .index-module--cloudProviders--1IMBN{margin:30px auto;padding:0;list-style:none;display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;max-width:340px}.index-module--page--1UpMf .index-module--hero--PIh19 .index-module--cloudProviders--1IMBN li{-ms-flex:1 1;flex:1 1}.index-module--page--1UpMf .index-module--hero--PIh19 .index-module--cloudProviders--1IMBN li:last-of-type img{height:38px}.index-module--page--1UpMf .index-module--hero--PIh19 .index-module--cloudProviders--1IMBN img{width:auto}.index-module--page--1UpMf .index-module--hero--PIh19 .index-module--content--18XtX{margin:0 auto;max-width:620px}.index-module--page--1UpMf .index-module--hero--PIh19 .index-module--content--18XtX p{margin-top:30px}.index-module--page--1UpMf .index-module--hero--PIh19 .index-module--cta--2wZ_J: hover{background:#38cccd;border-color:#38cccd}.index-module--page--1UpMf .index-module--container--3d16M{padding:65px 15px 0;background-color:#fff}@media screen and (min-width:992px){.index-module--page--1UpMf .index-module--container--3d16M{padding:100px 150px 65px!important}}.index-module--page--1UpMf .index-module--calculatorContainer--2AKga{padding:0 15px;background-color:#fff}@media screen and (min-width:992px){.index-module--page--1UpMf .index-module--calculatorContainer--2AKga{padding:0 150px!important}}.index-module--page--1UpMf .index-module--item--22UIM{-ms-flex:0 1 300px!important;flex:0 1 300px!important;margin-bottom:50px}@media screen and (min-width:992px){.index-module--page--1UpMf .index-module--item--22UIM{-ms-flex-preferred-size:calc(50% - 20px)!important;flex-basis:calc(50% - 20px)!important}}.index-module--page--1UpMf .index-module--item--22UIM>div:first-child{margin-right:15px}.index-module--page--1UpMf .index-module--copy--1ftLS{font-weight:300;line-height:1.86;color:#000;font-size:14px;text-align:center;margin-top:37px;margin-bottom:85px}.index-module--page--1UpMf .index-module--testimonial--28VhI{box-shadow:none}@media screen and (min-width:768px){.index-module--page--1UpMf .index-module--testimonial--28VhI ul{overflow-x:hidden}}.index-module--page--1UpMf .index-module--testimonialWhyConfluentWrapper--3LmbR{padding-top:30px}@media screen and (min-width:768px){.index-module--page--1UpMf .index-module--testimonialWhyConfluentWrapper--3LmbR{padding:183px 0 40px}}.index-module--page--1UpMf .index-module--featureSection--QSZ7m .index-module--featureContainer--VEZYr>div>div{min-width:260px}.index-module--page--1UpMf .index-module--pricingTierClassName--1woLd{-ms-flex-preferred-size:33.33%;flex-basis:33.33%}@media screen and (max-width:991px){.index-module--page--1UpMf .index-module--pricingTierClassName--1woLd p,.index-module--page--1UpMf .index-module--pricingTierClassName--1woLd strong{font-size:14px}}.index-module--page--1UpMf .index-module--rowClassName--2VMt8>div{width:33.33%}.index-module--page--1UpMf .index-module--rowClassName--2VMt8>div:last-of-type{display:none}.index-module--page--1UpMf .index-module--confluentCloudCardSection--2hk5a{padding-top:0}@media screen and (min-width:768px){.index-module--page--1UpMf .index-module--confluentCloudCardSection--2hk5a .index-module--confluentCloudCardContent--1Y6kG{display:-ms-flexbox;display:flex}}.index-module--page--1UpMf .index-module--confluentCloudCardSection--2hk5a .index-module--confluentCloudCard--1wO0b{background-color:#e6f5fb;padding:70px 35px;margin:10px}@media screen and (min-width:768px){.index-module--page--1UpMf .index-module--confluentCloudCardSection--2hk5a .index-module--confluentCloudCard--1wO0b{-ms-flex:1 1;flex:1 1;padding:100px 45px}}.index-module--page--1UpMf .index-module--confluentCloudCardSection--2hk5a .index-module--confluentCloudCard--1wO0b div{text-align:center}.index-module--page--1UpMf .index-module--confluentCloudCardSection--2hk5a .index-module--confluentCloudCard--1wO0b a{margin-

top:30px}.index-module--page--1UpMf .index-module--confluentCloudCardSection--2hk5a .index-module--confluentCloudCard--1w00b h3{color:#173361;width:80%;margin:auto}.tryfree-module--page--12u8F{overflow-x:hidden}.tryfree-module--page--12u8F .tryfree-module--heroContent--EfkFT{-ms-flex-align:start;align-items:flex-start}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS>div{position:relative}@media screen and (min-width:992px){.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--heroContent--EfkFT{position:relative;max-width:580px;width:60%}}@media screen and (min-width:1200px){.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--heroImage--DARRe{right:90px;bottom:30px;position:absolute}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--heroImage--DARRe img{max-width:900px}}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--content--2WOfs{margin:30px 0}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--cloudProviders--1YTxr{margin:15px 0}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS>div{-ms-flex-align:start;align-items:flex-start}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--primaryCtaContainer--3Qrsn{margin-top:15px}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--cloudProviders--1YTxr{padding:0;list-style:none;display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;max-width:340px}@media screen and (max-width:991px){.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--cloudProviders--1YTxr{max-width:none;-ms-flex-pack:center;justify-content:center}}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--cloudProviders--1YTxr li:not(:last-of-type){margin-right:40px}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--cloudProviders--1YTxr li:last-of-type img{height:38px}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--cloudProviders--1YTxr img{width:auto}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--cta--yHvzZ:hover{background:#38cccd;border-color:#38cccd}.tryfree-module--page--12u8F .tryfree-module--doMoreContent--h0AII div{width:90%}.tryfree-module--page--12u8F #logos{margin-bottom:15px}.tryfree-module--page--12u8F #key-points{padding-top:0}@media screen and (min-width:768px){.tryfree-module--page--12u8F .tryfree-module--confluentCloudCardContent--2jeKC{display:-ms-flexbox;display:flex}}.tryfree-module--page--12u8F .tryfree-module--confluentCloudCardContent--2jeKC .tryfree-module--confluentCloudCard--2sNFs{padding:70px 35px;margin:10px;border-radius:8px;border:7px solid hsla(0,0%,96.1%,.85)}@media screen and (min-width:768px){.tryfree-module--page--12u8F .tryfree-module--confluentCloudCardContent--2jeKC .tryfree-module--confluentCloudCard--2sNFs{-ms-flex:1 1;flex:1 1;padding:100px 45px}}.tryfree-module--page--12u8F .tryfree-module--confluentCloudCardContent--2jeKC .tryfree-module--confluentCloudCard--2sNFs div{text-align:center;-ms-flex-align:center;align-items:center}.tryfree-module--page--12u8F .tryfree-module--confluentCloudCardContent--2jeKC .tryfree-module--confluentCloudCard--2sNFs a{margin-top:30px}.tryfree-module--page--12u8F .tryfree-module--confluentCloudCardContent--2jeKC .tryfree-module--confluentCloudCard--2sNFs h3{color:#173361;width:80%;margin:auto}.tryfree-module--page--12u8F .tryfree-module--pricingTierClassName--fg28d{-ms-flex-preferred-size:33.33%;flex-basis:33.33%}@media screen and (max-width:991px){.tryfree-module--page--12u8F .tryfree-module--pricingTierClassName--fg28d p,.tryfree-module--page--12u8F .tryfree-module--pricingTierClassName--fg28d strong{font-size:14px}}.tryfree-module--page--12u8F .tryfree-module--rowClassName--33R8i>div{width:33.33%}.tryfree-module--page--12u8F .tryfree-module--rowClassName--33R8i>div:last-of-type{display:none}.tryfree-module--page--12u8F .tryfree-module--estimateTitle--1dPZB{margin-bottom:0}.tryfree-module--page--12u8F .tryfree-module--copy--2oYm3{font-weight:300;line-height:1.86;color:#000;font-size:16px;text-align:center;width:800px;max-width:100%;margin:50px auto 100px}@media screen and (max-width:991px){.tryfree-module--page--12u8F .tryfree-module--copy--2oYm3{margin:50px auto}}.tryfree-module--page--12u8F .tryfree-module--contactBlurb--blmwN{text-align:center;margin-top:30px;margin-bottom:50px}.style-module--page--16hJw .style-module--heroSection--12Xfi>div{-ms-flex-pack:justify;justify-content:space-between}@media screen and (max-width:991px){.style-module--page--16hJw .style-module--heroSection--12Xfi>div{-ms-flex-direction:column;flex-direction:column;padding-top:50px;padding-bottom:50px}}.style-module--page--16hJw .style-module--heroSection--12Xfi .style-module--rightColumn--3cEw5{width:40%;margin-left:50px;max-width:510px}@media

screen and (max-width:991px){.style-module--page--16hJw .style-module--heroSection--12Xfi .style-module--rightColumn--3cEw5 { width:90%;margin-left:0;margin-top:50px } .style-module--page--16hJw .style-module--heroSection--12Xfi .style-module--rightColumn--3cEw5 img.style-module--clickable--15TDK { cursor:pointer } .style-module--page--16hJw .style-module--heroSection--12Xfi .style-module--rightColumn--3cEw5 p { color:#fff;font-size:12px;font-weight:300;line-height:1.3;margin-top:5px } @media screen and (max-width:991px){.style-module--page--16hJw .style-module--heroSection--12Xfi .style-module--rightColumn--3cEw5 p { text-align:center } } @media screen and (min-width:992px){.style-module--page--16hJw .style-module--heroSection--12Xfi .style-module--leftColumn--2kQa6 { width:65% } .style-module--page--16hJw .style-module--heroSection--12Xfi .style-module--leftColumn--2kQa6 ul { margin:50px 0 0;padding:0;list-style-position:inside } .style-module--page--16hJw .style-module--resourcesSection--2OYkn .style-module--grid--MYGSI .style-module--card--1eZOv { background:hsla(0,0%,100%,.5) } .style-module--page--16hJw .style-module--resourcesSection--2OYkn .style-module--grid--MYGSI .style-module--card--1eZOv> * { text-align:center } .style-module--page--16hJw .style-module--resourcesSection--2OYkn .style-module--grid--MYGSI .style-module--card--1eZOv p { margin:0 auto 30px } .style-module--page--16hJw .style-module--resourcesSection--2OYkn .style-module--grid--MYGSI .style-module--card--1eZOv a { margin-bottom:10px } .style-module--page--16hJw .style-module--resourcesSection--2OYkn .style-module--grid--MYGSI .style-module--card--1eZOv .style-module--active--1Eyiz { background:#fff;border:0 } .style-module--page--16hJw .style-module--resourcesSection--2OYkn .style-module--grid--MYGSI .style-module--card--1eZOv .style-module--ctaContainer--dYlaW { margin:auto 0 } .style-module--page--16hJw .style-module--resourcesSection--2OYkn .style-module--grid--MYGSI .style-module--card--1eZOv .style-module--ctaContainer--dYlaW a+a { margin-left:10px } .style-module--page--16hJw .style-module--whySection--2bt8R .style-module--title--1OmKY { display:block } .style-module--page--16hJw .style-module--whySection--2bt8R .style-module--accordion--12W8x .style-module--content--VbhfO { line-height:1.63;padding:50px 90px;text-align:left } @media screen and (max-width:767px){.style-module--page--16hJw .style-module--whySection--2bt8R .style-module--accordion--12W8x .style-module--content--VbhfO { padding:50px 25px } } .style-module--page--16hJw .style-module--whySection--2bt8R .style-module--accordion--12W8x .style-module--content--VbhfO ul { margin:20px 0;padding:0;list-style:none } .style-module--page--16hJw .style-module--whySection--2bt8R .style-module--accordion--12W8x .style-module--content--VbhfO li { background:#fff;margin-bottom:10px;padding:20px;font-size:14px;font-weight:500;line-height:1.79 } .style-module--page--16hJw .style-module--whySection--2bt8R .style-module--accordion--12W8x .style-module--content--VbhfO ul li:last-child { margin-bottom:0 } .style-module--page--16hJw .style-module--whySection--2bt8R .style-module--accordion--12W8x .style-module--content--VbhfO ul ul { list-style-type:disc;list-style-position:inside } .style-module--page--16hJw .style-module--whySection--2bt8R .style-module--accordion--12W8x .style-module--content--VbhfO ul ul li { padding:0;font-weight:400 } .style-module--page--16hJw .style-module--benefitSection--nY1h0 ul { -ms-flex-direction:column;flex-direction:column;width:90%;margin:0 auto;max-width:800px } .style-module--page--16hJw .style-module--benefitSection--nY1h0 ul h4 { color:#173361 } .style-module--page--16hJw .style-module--benefitSection--nY1h0 ul li { margin:0 0 50px } .style-module--page--16hJw .style-module--benefitSection--nY1h0 ul li:last-child { margin-bottom:0 } .style-module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW { margin:10px 0;display:-ms-flexbox;display:flex;text-align:left } @media screen and (max-width:767px){.style-module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW { -ms-flex-direction:column;flex-direction:column } } .style-module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW div { padding:20px 20px 30px;-ms-flex:1 1;flex:1 1 } @media screen and (max-width:767px){.style-module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW div { padding:20px } } .style-module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3_VN { text-align:center } @media screen and (max-width:767px){.style-module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3_VN { display:none } } .style-module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3_VN div { background:none } .style-

module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3-
_VN div:not(.style-module--emptyCell---gCTw){border-radius:4px;margin:0
5px;padding:10px;color:#173361;font-size:18px;font-weight:700;line-height:23px}.style-module--page--16hJw
.style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3-
_VN div:not(.style-module--emptyCell---gCTw):last-child{margin-right:0}.style-module--page--16hJw .style-module--featureSection--
VVqNM .style-module--items--2m8yP{display:-ms-flexbox;display:flex;-ms-flex-pack:start;justify-content:flex-
start}.style-module--page--16hJw .style-module--featureSection--VVqNM .style-module--items--
2m8yP>li{border:2px solid rgba(130,148,148,.25);border-radius:8px;margin:5px 0;width:100%;-ms-
flex:none!important;flex:none!important;padding:20px 15px}@media screen and (max-width:767px){.style-
module--page--16hJw .style-module--featureSection--VVqNM .style-module--items--
2m8yP>li{width:100%!important}}.style-module--page--16hJw .style-module--featureSection--VVqNM .style-
module--items--2m8yP>li h4{color:#000}.style-module--page--16hJw .style-module--featureSection--
VVqNM.style-module--col4--1kPzz .style-module--items--2m8yP>li{margin-right:10px;width:calc((100% -
30px)/4)}.style-module--page--16hJw .style-module--featureSection--VVqNM.style-module--col4--1kPzz .style-
module--items--2m8yP>li:nth-child(4n){margin-right:0}@media screen and (max-width:991px){.style-module--
page--16hJw .style-module--featureSection--VVqNM.style-module--col4--1kPzz .style-module--items--
2m8yP>li{width:calc((100% - 20px)/2)}.style-module--page--16hJw .style-module--featureSection--
VVqNM.style-module--col3--yF8zI .style-module--items--2m8yP>li{margin-right:10px;width:calc((100% -
20px)/3)}.style-module--page--16hJw .style-module--featureSection--VVqNM.style-module--col3--yF8zI .style-
module--items--2m8yP>li:nth-child(3n){margin-right:0}.style-module--page--16hJw .style-module--
moreReleaseSection--eFAVF .style-module--content--VbhfO{color:#000;font-size:16px;font-weight:300;line-
height:25px;letter-spacing:0;text-align:center}.style-module--page--16hJw .style-module--moreReleaseSection--
eFAVF .style-module--content--VbhfO h3{color:#173361;font-size:12px;font-weight:500;line-height:2.67;letter-
spacing:2px;text-transform:uppercase}.style-module--page--16hJw .style-module--moreReleaseSection--eFAVF
.style-module--content--VbhfO p{margin-bottom:50px;max-width:720px}.style-module--purple--2FtjE .style-
module--benefitSection--nY1h0,.style-module--purple--2FtjE .style-module--trySection--
1GXCx{background:rgba(85,29,157,.03)}.style-module--purple--2FtjE .style-module--moreReleaseSection--
eFAVF,.style-module--purple--2FtjE .style-module--resourcesSection--
2OYkn{background:rgba(85,29,157,.1)}.style-module--purple--2FtjE .style-module--benefitSection--nY1h0 .style-
module--table--32JBF .style-module--row--FZfaW:not(.style-module--header--3-_VN)
div{background:rgba(85,29,157,.03);color:#000;font-size:16px;font-weight:300;line-height:25px;letter-
spacing:0}.style-module--purple--2FtjE .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-
module--row--FZfaW:not(.style-module--header--3-_VN) .style-module--bold--1-JIS{color:#551d9d;font-
size:21px;font-weight:500;line-height:27px}.style-module--purple--2FtjE .style-module--benefitSection--nY1h0
.style-module--table--32JBF .style-module--header--3-_VN div:not(.style-module--emptyCell---
gCTw){background:#551d9d;color:#fff}.style-module--green--2GuAI .style-module--benefitSection--nY1h0,.style-
module--green--2GuAI .style-module--trySection--1GXCx{background:rgba(21,158,134,.03)}.style-module--green--
2GuAI .style-module--moreReleaseSection--eFAVF,.style-module--green--2GuAI .style-module--
resourcesSection--2OYkn{background:rgba(21,158,134,.1)}.style-module--green--2GuAI .style-module--
benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW:not(.style-module--header--3-_VN)
div{background:rgba(21,158,134,.03);color:#000;font-size:16px;font-weight:300;line-height:25px;letter-
spacing:0}.style-module--green--2GuAI .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-
module--row--FZfaW:not(.style-module--header--3-_VN) .style-module--bold--1-JIS{color:#159e86;font-
size:21px;font-weight:500;line-height:27px}.style-module--green--2GuAI .style-module--benefitSection--nY1h0
.style-module--table--32JBF .style-module--header--3-_VN div:not(.style-module--emptyCell---
gCTw){background:#159e86;color:#fff}.style-module--blue--3yMuA .style-module--benefitSection--nY1h0,.style-
module--blue--3yMuA .style-module--trySection--1GXCx{background:rgba(13,172,204,.03)}.style-module--blue--
3yMuA .style-module--moreReleaseSection--eFAVF,.style-module--blue--3yMuA .style-module--resourcesSection--

-2OYkn{background:rgba(13,172,204,.1)}.style-module--blue--3yMuA .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW:not(.style-module--header--3-_VN) div{background:rgba(13,172,204,.03);color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}.style-module--blue--3yMuA .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW:not(.style-module--header--3-_VN) .style-module--bold--1-JIS{color:#0dacc;font-size:21px;font-weight:500;line-height:27px}.style-module--blue--3yMuA .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3-_VN div:not(.style-module--emptyCell---gCTw){background:#0dacc;color:#fff}.style-module--orange--mKAYd .style-module--benefitSection--nY1h0,.style-module--orange--mKAYd .style-module--trySection--1GXCx{background:rgba(227,125,98,.03)}.style-module--orange--mKAYd .style-module--moreReleaseSection--eFAVF,.style-module--orange--mKAYd .style-module--resourcesSection--2OYkn{background:rgba(227,125,98,.1)}.style-module--orange--mKAYd .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW:not(.style-module--header--3-_VN) div{background:rgba(227,125,98,.03);color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}.style-module--orange--mKAYd .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW:not(.style-module--header--3-_VN) .style-module--bold--1-JIS{color:#e37d62;font-size:21px;font-weight:500;line-height:27px}.style-module--orange--mKAYd .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3-_VN div:not(.style-module--emptyCell---gCTw){background:#e37d62;color:#fff}.style-module--grey--1eGst .style-module--benefitSection--nY1h0,.style-module--grey--1eGst .style-module--trySection--1GXCx{background:rgba(88,120,140,.03)}.style-module--grey--1eGst .style-module--moreReleaseSection--eFAVF,.style-module--grey--1eGst .style-module--resourcesSection--2OYkn{background:rgba(88,120,140,.1)}.style-module--grey--1eGst .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW:not(.style-module--header--3-_VN) div{background:rgba(88,120,140,.03);color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}.style-module--grey--1eGst .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW:not(.style-module--header--3-_VN) .style-module--bold--1-JIS{color:#58788c;font-size:21px;font-weight:500;line-height:27px}.style-module--grey--1eGst .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3-_VN div:not(.style-module--emptyCell---gCTw){background:#58788c;color:#fff}.style-module--project_metamorphosis_cost_effective--3HwjK .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW div:first-child{max-width:142px}@media screen and (max-width:767px){.style-module--project_metamorphosis_cost_effective--3HwjK .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW div:first-child{max-width:none;text-align:center}}</style><meta name="generator" content="Gatsby 2.21.30"/><link rel="sitemap" type="application/xml" href="/sitemap.xml"/><link rel="alternate" type="application/rss+xml" title="Confluent's Blog Feed" href="/rss.xml"/><title data-react-helmet="true">Confluent Community License | Confluent</title><link data-react-helmet="true" href="/css/wp.css" rel="stylesheet"/><meta data-react-helmet="true" name="description" content="Confluent, founded by the creators of Apache Kafka, delivers a complete execution of Kafka for the Enterprise, to help you run your business in real time."/><meta data-react-helmet="true" name="image" content="https://cdn.confluent.io/wp-content/uploads/seo-logo-meadow.png"/><meta data-react-helmet="true" property="og:url" content="https://www.confluent.io"/><meta data-react-helmet="true" property="og:locale" content="en_US"/><meta data-react-helmet="true" property="og:type" content="website"/><meta data-react-helmet="true" property="og:title" content="Confluent Community License | Confluent"/><meta data-react-helmet="true" property="og:description" content="Confluent, founded by the creators of Apache Kafka, delivers a complete execution of Kafka for the Enterprise, to help you run your business in real time."/><meta data-react-helmet="true" property="og:site_name" content="Confluent"/><meta data-react-helmet="true" property="og:image" content="https://cdn.confluent.io/wp-content/uploads/seo-logo-meadow.png"/><meta data-react-helmet="true" name="twitter:card" content="summary"/><meta data-react-helmet="true" name="twitter:description" content="Confluent, founded by the creators of Apache Kafka, delivers a

complete execution of Kafka for the Enterprise, to help you run your business in real time."/>

`<meta data-react-helmet="true" name="twitter:title" content="Confluent Community License | Confluent"/>``<meta data-react-helmet="true" name="twitter:image" content="https://cdn.confluent.io/wp-content/uploads/seo-logo-meadow.png"/>``<meta data-react-helmet="true" name="twitter:site" content="@ConfluentInc"/>``<meta data-react-helmet="true" name="twitter:creator" content="@ConfluentInc"/>``<meta data-react-helmet="true" property="fb:app_id" content="1800296596896644"/>`

`<script>(function(w,d,s,l,i){w[l]=w[l]||[];w[l].push({'gtm.start': new Date().getTime(),event:'gtm.js'});var f=d.getElementsByTagName(s)[0],j=d.createElement(s),dl=l!='dataLayer'?'&l='+l:'';j.async=true;j.src='https://www.googletagmanager.com/gtm.js?id='+i+dl+';f.parentNode.insertBefore(j,f);})(window,document,'script','dataLayer','GTM-M58HDC6');`

`<link rel="preload" as="font" href="/fonts/MarkOT/MarkOT.woff2"/>``<link rel="preload" as="font" href="/fonts/MarkOT/MarkOT-Italic.woff2"/>``<link rel="preload" as="font" href="/fonts/MarkOT/MarkOT-Medium.woff2"/>``<link rel="preload" as="font" href="/fonts/MarkOT/MarkOT-MediumItalic.woff2"/>``<link rel="preload" as="font" href="/fonts/MarkOT/MarkOT-Bold.woff2"/>``<link rel="preload" as="font" href="/fonts/MarkOT/MarkOT-BoldItalic.woff2"/>``<link rel="preload" as="font" href="/fonts/MarkOT/MarkOT-NarrowLight.woff2"/>``<link rel="preload" as="font" href="/fonts/MarkOT/MarkOT-NarrowLightItalic.woff2"/>`

`<link rel="stylesheet" href="/fonts/fonts.css"/>``<link href="https://cdn.confluent.io/css/bootstrap.min.css" rel="stylesheet"/>``<link href="/css/main.css" rel="stylesheet"/>``<link href="/css/print.css" rel="stylesheet" media="print"/>`

`<script src="https://code.jquery.com/jquery-1.12.4.min.js" integrity="sha256-ZosEbRLbNqZLpnKIkEdrPv71Oy9C27hHQ+Xp8a4MxAQ=" crossorigin="anonymous"/>``<script src="https://cdn.optimizely.com/js/15784060578.js"/>`

`<link as="script" rel="preload" href="/webpack-runtime-f27e6db82d9d7f7018dd.js"/>``<link as="script" rel="preload" href="/framework-cd462206e7ffd35180de.js"/>``<link as="script" rel="preload" href="/app-21ff557440d63499cf51.js"/>``<link as="script" rel="preload" href="/styles-f760bb5aeed7ae919c46.js"/>``<link as="script" rel="preload" href="/4c744e84-253c21a2eaa6944ff5e7.js"/>``<link as="script" rel="preload" href="/commons-206eeb95bb9423f1eef4.js"/>``<link as="script" rel="preload" href="/component---src-pages-confluent-community-license-js-8db6962c2568c2be4415.js"/>``<link as="fetch" rel="preload" href="/page-data/confluent-community-license/page-data.json" crossorigin="anonymous"/>``<link as="fetch" rel="preload" href="/page-data/app-data.json" crossorigin="anonymous"/>`

`</head>``<body class="">``<noscript>``<iframe src="https://www.googletagmanager.com/ns.html?id=GTM-M58HDC6" height="0" width="0" style="display:none; visibility:hidden"/>``</noscript>``<div id="__gatsby">``<div style="outline:none" tabindex="-1" id="gatsby-focus-wrapper">``<header class="style-module--header--31rfm style-module--topPage--85hNf" style="top:40px">``<div class="container style-module--container--3N3ii">````<svg class="style-module--logo--35JXe" width="212" height="41" viewBox="0 0 212 41">``<g fill="#0074A1" fill-rule="evenodd">``<path d="M62.065 22.19H64c-.755 3.472-3.705 5.81-7.646 5.81C51.728 28 48 24.55 48 19.989 48 15.427 51.728 12 56.354 12c3.94 0 6.89 2.315 7.646 5.787h-1.935c-.661-2.519-2.785-4.107-5.71-4.107-3.635 0-6.467 2.7-6.467 6.309 0 3.608 2.832 6.332 6.466 6.332 2.926 0 5.05-1.635 5.71-4.131M84 20c0 4.455-3.57 8-8 8s-8-3.545-8-8 3.57-8 8-8 3.545 8 8m-1.808 0c0-3.5-2.711-6.318-6.192-6.318-3.48 0-6.192 2.818-6.192 6.318 0 3.5 2.712 6.318 6.192 6.318S82.192 23.5 82.192 20M103 12v16h-1.48l-9.75-12.612V28H90V12h1.435l9.794 12.777V12zM111.86 13.718V19.6h8.15v1.717h-8.15V28H110V12h11v1.718zM138 26.282V28h-11V12h1.914v14.282zM155 20.994c0 4.185-2.79 7.006-7 7.006s-7-2.82-7-7.006V12h1.9v8.994c0 3.075 2.02 5.295 5.1 5.295 3.055 0 5.1-2.22 5.1-5.295V12h1.9v8.994zM163.826 13.718V19.2h8.25v1.718h-8.25v5.365H173V28h-11V12h11v1.718zM191 12v16h-1.48l-9.75-12.612V28H178V12h1.435l9.794 12.777V12zM210 13.718h-5.626V28h-1.77V13.718H197V12h13zM26.375 20.975c.875-.047 1.75-.075 2.625-.139v-.672c-.875-.064-1.75-.092-2.625-.141-2.625-.081c-1.54-.047-3.08-.064-4.622-.07-.003-1.54-.01-3.082-.051-4.623l-.074-2.625c-.045-.875-.07-1.75-.132-2.625h-.742c-.062-8.75-.087 1.75-.132 2.625l-.073 2.625c-.02-7.23-.029 1.447-.036 2.17-.285-.665-.57-1.33-.865-1.991l-1.072-2.397c-.377-.79-.735-`

1.59-1.127-2.375l-.684.285c.277.831.589 1.65.882 2.475l.937 2.454c.258.675.526 1.346.796 2.018a129.517
129.517 0 0 0-1.56-1.509l-1.908-1.804c-.65-.587-1.287-1.188-1.95-1.763l-.523.524c.574.663 1.175 1.3 1.762
1.951l.804 1.908c.498.525 1.003 1.043 1.509 1.56-.672-.27-1.343-.538-2.019-.796l-2.453-.937c-.825-.293-1.644-
.605-2.476-.883l-.284.685c.785.392 1.584.75 2.375 1.127l2.397 1.072c.66.295 1.325.58 1.99.864-.723.008-
1.446.017-2.17.036l-2.624.074c-.875.045-1.75.07-2.625.132v.742c.875.062 1.75.087
2.625.132l2.625.073c1.542.042 3.083.049 4.624.052.01 1.54.022 3.081.069 4.622l.082 2.625c.047.875.075
1.75.139 2.625h.672c.064-.875.092-1.75.14-2.625l.081-2.625c.023-.741.035-1.482.046-2.223.292.681.587
1.361.892 2.037l1.08 2.393c.378.79.738 1.588 1.133 2.373l.62-.259c-.275-.832-.583-1.651-.875-2.478l-.93-2.455c-
.262-.694-.534-1.383-.808-2.072.531.517 1.063 1.032 1.604 1.541l.913 1.799c.652.585 1.29 1.184 1.955
1.758l.476-.476c-.574-.664-1.173-1.303-1.758-1.955l-1.799-1.914a132.32 132.32 0 0 0-1.539-1.603c.688.275
1.377.546 2.07.809l2.457.929c.826.292 1.645.6 2.478.876l.258-.622c-.785-.393-1.582-.755-2.373-1.133l-2.393-
1.08c-.676-.304-1.356-.598-2.036-.892.74-.01 1.481-.022 2.222-.045l2.625-.082z"></path><path d="M19
37C9.626 37 2 29.374 2 20 2 10.626 9.626 3 19 3c9.374 0 17 7.626 17 17 0 9.374-7.626 17-17 17m0-32.41C10.503
4.59 3.59 11.502 3.59 20S10.503 35.41 19 35.41 34.41 28.497 34.41 20 27.497 4.59 19
4.59"></path></g></svg><div class="style-module--languageContainer--GbiNb"><div class="style-module--
dropdown--39_e2"><li class="lang-en">English<li class="lang-fr">Franais<li class="lang-de">Deutsch<li class="lang-ja"></div><div class="style-module--toggle--3ljCl"></div></div><div
class="style-module--navMobile--1PXXZ"><button type="button" class="style-module--button--Kl1_E navbar-
toggle">Toggle navigation<span class="icon-
bar"></button><nav style="margin-top:0"><a target="_blank"
rel="noopener noreferrer" href="#">Products<li class="">Confluent
Cloud<li class="style-module--indent--I5Hp9">Support<li
class="style-module--indent--I5Hp9"><a target="_blank" rel="noopener noreferrer"
href="https://confluent.cloud/login">Log In<li class="">Confluent
Platform<li class="style-module--indent--I5Hp9">Subscription<li
class="">Confluent Hub<li class="">ksqlDB<li
class="">Professional Services<li class="">TrainingLearn<li class=""><a href="/what-
is-apache-kafka">What is Kafka?<li class="">Blog<li class="">Resources<li class=""><a target="_blank" rel="noopener noreferrer"
href="https://events.confluent.io">Events<li class="style-module--indent--I5Hp9">Meetups<li class="style-module--indent--I5Hp9"><a target="_blank" rel="noopener
noreferrer" href="https://kafka-summit.org">Kafka Summit<li class="style-module--indent--I5Hp9">Online Talks<li class="">Training<li class="">Customers<a target="_blank" rel="noopener noreferrer"
href="https://developer.confluent.io">Developers<li class=""><a target="_blank" rel="noopener
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rel="noopener noreferrer" href="https://kafka-tutorials.confluent.io">Kafka TutorialsAbout Us<li class="">Company<li class="">Partners<li class="">News<li class="">Events<li class="">Careers<li class="">Contact<li class=""><a href="/trust-
and-security">Trust and Security<a target="_blank" rel="noopener noreferrer"
href="https://docs.confluent.io/current">Docs</div><div class="style-module--searchContainer--
M0vVi"><button type="button" class="style-module--button--Kl1_E"><span class="sr-

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6.3 Other. This Agreement is the entire agreement between the parties regarding the subject matter hereof. No amendment or modification of this Agreement will be valid or binding upon the parties unless made in writing and signed by the duly authorized representatives of both parties. In the event that any provision, including without limitation any condition, of this Agreement is held to be unenforceable, this Agreement and all licenses and rights granted hereunder will immediately terminate. Waiver by

Confluent of a breach of any provision of this Agreement or the failure by Confluent to exercise any right hereunder will not be construed as a waiver of any subsequent breach of that right or as a waiver of any other right.

</div></div></section></div><div class="style-module--siteFooter--1SYvh"><div class="style-module--footerRow--2E2Yb"><div><ul class="style-module--menu--19Yv4">ProductConfluent PlatformksqlDBConfluent HubSubscriptionProfessional ServicesTrainingCustomers</div><div><ul class="style-module--menu--19Yv4">CloudConfluent CloudSupportSign UpLog InCloud FAQ</div><div><ul class="style-module--menu--19Yv4">SolutionsFinancial ServicesRetailInsuranceAutomotiveGovernmentFraud DetectionCustomer 360Azure Hybrid Streaming</div><div><ul class="style-module--menu--19Yv4">DevelopersWhat is Kafka?ResourcesEventsOnline TalksMeetupsKafka SummitKafka TutorialsConfluent DeveloperDocsBlog</div><div><ul class="style-module--menu--19Yv4">AboutCompanyCareersPartnersNewsContactTrust and Security</div><div class="social-column"><nav class="style-module--socialNav--12Fjk"><ul class="style-module--socialMediaListContainer--m3scG"><svg stroke="currentColor" fill="currentColor" stroke-width="0" viewBox="0 0 512 512" class="style-module--socialIcon--PjnYm style-module--twitterIcon--3zPrM" height="1em" width="1em" xmlns="http://www.w3.org/2000/svg"><path d="M459.37 151.716c.325 4.548.325 9.097.325 13.645 0 138.72-105.583 298.558-298.558 298.558-59.452 0-114.68-17.219-161.137-47.106 8.447 974 16.568 1.299 25.34 1.299 49.055 0 94.213-16.568 130.274-44.832-46.132-.975-84.792-31.188-98.112-72.772 6.498 974 12.995 1.624 19.818 1.624 9.421 0 18.843-1.3 27.614-3.573-48.081-9.747-84.143-51.98-84.143-102.985v-1.299c13.969 7.797 30.214 12.67 47.431 13.319-28.264-18.843-46.781-51.005-46.781-87.391 0-19.492 5.197-37.36 14.294-52.954 51.655 63.675 129.3 105.258 216.365 109.807-1.624-7.797-2.599-15.918-2.599-24.04 0-57.828 46.782-104.934 104.934-104.934 30.213 0 57.502 12.67 76.67 33.137 23.715-4.548 46.456-13.32 66.599-25.34-7.798 24.366-24.366 44.833-46.132 57.827 21.117-2.273 41.584-8.122 60.426-16.243-14.292 20.791-32.161 39.308-52.628 54.253z"></path></svg><svg stroke="currentColor" fill="currentColor" stroke-width="0" viewBox="0 0 448 512" class="style-module--socialIcon--PjnYm style-module--linkedinIcon--1E52K" height="1em" width="1em" xmlns="http://www.w3.org/2000/svg"><path d="M416 32H31.9C14.3 32 0 46.5 0

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21.3-17.2 38.5-38.5 38.5zm282.1 243h-66.4V312c0-24.8-.5-56.7-34.5-56.7-34.6 0-39.9 27-39.9 54.9V416h-
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74.7-74.7s33.5-74.7 74.7-74.7 74.7 33.5 74.7 74.7-33.6 74.7-74.7 74.7zm146.4-194.3c0 14.9-12 26.8-26.8-
14.9 0-26.8-12-26.8-26.8s12-26.8 26.8-26.8 26.8 12 26.8 26.8zm76.1 27.2c-1.7-35.9-9.9-67.7-36.2-93.9-26.2-26.2-
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Policy</p><p>Apache, Apache Kafka, Kafka, and associated open source project names are trademarks of
the<!-- --> Apache Software
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partners.</p></div><div class="style-module--gdprRight--1UBvi"><a class="style-module--button--K11_E style-
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1.215 fabric8-:::-kubernetes-model-:::- scheduling 5.12.1

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1.216 fabric8-::-kubernetes-model-::-apps

5.12.1

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1.217 spring-plugin-core 2.0.0.RELEASE

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1.218 apiguardian-apiguardian-api 1.1.2

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1.220 jooq-meta 3.16.4

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1.221 project-lombok 1.18.22

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1.228 jakarta-activation 1.1

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1.229 kotlin-reflect 1.6.10

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* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/load/java/lazy/descriptors/LazyJavaPackageFragment.kt

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* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/PropertyDescriptor.java
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/SimpleFunctionDescriptor.java
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/ConstUtil.kt

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*/
// A seemingly obvious way to come about this case would be to declare a special exception class, but the problem is
that
```

Found in path(s):

```
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-
jar/kotlin/reflect/jvm/internal/impl/storage/LockBasedStorageManager.java
```

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```
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-
jar/kotlin/reflect/jvm/internal/impl/descriptors/ConstructorDescriptor.java
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-
jar/kotlin/reflect/jvm/internal/impl/descriptors/ModalityUtils.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-
jar/kotlin/reflect/jvm/internal/impl/descriptors/runtime/structure/ReflectJavaAnnotation.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-
jar/kotlin/reflect/jvm/internal/impl/descriptors/runtime/structure/ReflectJavaConstructor.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-
jar/kotlin/reflect/jvm/internal/impl/load/java/lazy/descriptors/LazyJavaPackageScope.kt
```

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/types/checker/NewKotlinTypeChecker.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/runtime/structure/reflectClassUtil.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/runtime/structure/ReflectJavaType.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/types/ErrorType.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/utills/numbers.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/load/java/lazy/descriptors/LazyJavaScope.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/DescriptorVisibilities.java
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/runtime/components/RuntimeSourceElementFactory.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/runtime/structure/ReflectJavaValueParameter.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/types/checker/IntersectionType.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/runtime/components/RuntimeModuleData.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/impl/ClassConstructorDescriptorImpl.java
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/runtime/components/ReflectJavaClassFinder.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/builtins/BuiltInsPackageFragment.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/load/java/descriptors/JavaClassConstructorDescriptor.java
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/runtime/components/ReflectKotlinClass.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/load/java/lazy/descriptors/LazyJavaStaticClassScope.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/resolve/scopes/SyntheticScopes.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/runtime/structure/ReflectJavaClass.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/load/java/JavaClassesTracker.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/Substitutable.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/impl/DescriptorDerivedFromTypeAlias.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/types/TypeUtils.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/runtime/structure/ReflectJavaPackage.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/types/KotlinType.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/runtime/structure/ReflectJavaPrimitiveType.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/InvalidModuleException.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/runtime/structure/ReflectJavaAnnotationArguments.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/builtins/BuiltInsLoader.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/types/KotlinTypeFactory.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/runtime/structure/ReflectJavaAnnotationOwner.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/findClassInModule.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/runtime/structure/ReflectJavaMember.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/util/modifierChecks.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/types/TypeWithEnhancement.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/container/DefaultImplementation.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/deserialization/AdditionalClassPartsProvider.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/full/KProperties.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/runtime/components/ReflectKotlinClassFinder.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/runtime/structure/ReflectJavaMethod.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/impl/TypeAliasConstructorDescriptor.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/load/java/Utils.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/types/checker/NewCapturedType.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/serialization/deserialization/ContractDeserializer.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/impl/PropertyDescriptorImpl.java

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/load/java/lazy/descriptors/LazyJavaClassMemberScope.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/runtime/structure/ReflectJavaClassifierType.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/runtime/structure/ReflectJavaTypeParameter.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-

jar/kotlin/reflect/jvm/internal/impl/descriptors/annotations/BuiltInAnnotationDescriptor.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-
jar/kotlin/reflect/jvm/internal/impl/descriptors/deserialization/ClassDescriptorFactory.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-
jar/kotlin/reflect/jvm/internal/impl/resolve/OverridingUtil.java
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-
jar/kotlin/reflect/jvm/internal/impl/load/java/AnnotationTypeQualifierResolver.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-
jar/kotlin/reflect/jvm/internal/impl/serialization/deserialization/DeserializedPackageFragmentImpl.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-
jar/kotlin/reflect/jvm/internal/impl/descriptors/runtime/structure/ReflectJavaArrayType.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-
jar/kotlin/reflect/jvm/internal/impl/load/java/typeEnhancement/signatureEnhancement.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-
jar/kotlin/reflect/jvm/internal/impl/types/SpecialTypes.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-
jar/kotlin/reflect/jvm/internal/impl/descriptors/deserialization/PlatformDependentDeclarationFilter.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-
jar/kotlin/reflect/jvm/internal/impl/descriptors/runtime/structure/ReflectJavaWildcardType.kt
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```
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-  
jar/kotlin/reflect/jvm/internal/impl/descriptors/impl/AbstractTypeParameterDescriptor.java  
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-  
jar/kotlin/reflect/jvm/internal/impl/types/TypeProjectionBase.java  
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-  
jar/kotlin/reflect/jvm/internal/KTypeParameterImpl.kt  
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-  
jar/kotlin/reflect/jvm/internal/impl/types/flexibleTypes.kt  
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-  
jar/kotlin/reflect/jvm/internal/impl/renderer/DescriptorRendererOptionsImpl.kt
```

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/ValueDescriptor.java

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/types/checker/Utils.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/load/java/lazy/types/RawType.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/resolve/constants/IntegerValueTypeConstructor.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/load/java/typeEnhancement/typeEnhancement.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/load/kotlin/methodSignatureBuildingUtils.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/full/KTypes.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/resolve/scopes/GivenFunctionsMemberScope.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/serialization/deserialization/MetadataPackageFragmentProvider.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/load/java/lazy/descriptors/LazyJavaAnnotationDescriptor.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/load/java/lazy/types/JavaTypeResolver.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/types/AbstractClassTypeConstructor.java

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/KTypesJvm.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/impl/EmptyPackageFragmentDescriptor.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/KotlinReflectionInternalError.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/impl/AbstractClassDescriptor.java

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/load/kotlin/JavaFlexibleTypeDeserializer.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/annotations/Annotations.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/ClassifierDescriptorWithTypeParameters.java

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/impl/AbstractTypeAliasDescriptor.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/types/AbstractTypeConstructor.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/resolve/DescriptorEquivalenceForOverrides.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/Utils/SmartList.java

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/load/java/components/JavaPropertyInitializerEvaluator.kt

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-

* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/load/java/lazy/descriptors/JvmPackageScope.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/types/IntersectionTypeConstructor.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/resolve/OverridingStrategy.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/types/TypeCapabilities.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/serialization/deserialization/context.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/resolve/calls/inference/CapturedTypeConstructor.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/full/KClasses.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/types/checker/KotlinTypeChecker.java
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/serialization/deserialization/descriptors/DeserializedTypeParameterDescriptor.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/types/checker/TypeCheckingProcedure.java
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/load/java/lazy/descriptors/LazyJavaTypeParameterDescriptor.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/resolve/scopes/TypeIntersectionScope.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/descriptors/ClassConstructorDescriptor.kt
* /opt/cola/permits/1265052897_1643904183.72/0/kotlin-reflect-1-6-10-sources-jar/kotlin/reflect/jvm/internal/impl/types/TypeSubstitutor.java

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1.230 docker-java-transport 3.2.12

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 */
```

Found in path(s):

```
* /opt/cola/permits/1331473995_1653068669.1105134/0/docker-java-transport-3-2-12-sources-
jar/com/github/dockerjava/transport/LinuxDomainSocket.java
* /opt/cola/permits/1331473995_1653068669.1105134/0/docker-java-transport-3-2-12-sources-
jar/com/github/dockerjava/transport/FileDescriptor.java
* /opt/cola/permits/1331473995_1653068669.1105134/0/docker-java-transport-3-2-12-sources-
jar/com/github/dockerjava/transport/DomainSocket.java
* /opt/cola/permits/1331473995_1653068669.1105134/0/docker-java-transport-3-2-12-sources-
jar/com/github/dockerjava/transport/BsdDomainSocket.java
* /opt/cola/permits/1331473995_1653068669.1105134/0/docker-java-transport-3-2-12-sources-
jar/com/github/dockerjava/transport/AbstractSocket.java
```

1.231 junit-jupiter-junit-jupiter-api 5.8.2

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1.232 spring-cloud-starter-sleuth 3.0.5

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Found in path(s):

```
* /opt/cola/permits/1340816190_1654855019.698693/0/spring-cloud-starter-sleuth-3-0-5-jar/META-INF/maven/org.springframework.cloud/spring-cloud-starter-sleuth/pom.xml
```

1.233 rocksdb-jni 6.22.1.1

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* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org.rocksdb/UInt64AddOperator.java
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* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/CassandraValueMergeOperator.java

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* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/MergeOperator.java

* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/StringAppendOperator.java

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* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/RocksMutableObject.java

* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/AbstractNativeReference.java

* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/AbstractImmutableNativeReference.java

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* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/CompactionStopStyle.java

* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/MutableOptionKey.java

* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/InfoLogLevel.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/NativeLibraryLoader.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/AbstractMutableOptions.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/util/Environment.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/SizeApproximationFlag.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/MutableOptionValue.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/HashLinkedListMemTableConfig.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/HashSkipListMemTableConfig.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/TableProperties.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/VectorMemTableConfig.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/AbstractTableFilter.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/TableFilter.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/TransactionLogIterator.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/SkipListMemTableConfig.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/MutableDBOptionsInterface.java

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* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/MemoryUsageType.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/CompactionJobInfo.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/RemoveEmptyValueCompactionFilter.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/StatisticsCollector.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/Statistics.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/OptionsUtil.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-

jar/org/rocksdb/RocksMemEnv.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/ColumnFamilyDescriptor.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/EnvOptions.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/HistogramData.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/TxnDBWritePolicy.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/WALRecoveryMode.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/AbstractComparatorJniBridge.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/HistogramType.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/StateType.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/RocksCallbackObject.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/ChecksumType.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/LevelMetaData.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/AbstractWriteBatch.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/MutableDBOptions.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/RocksDBException.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/util/BytewiseComparator.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/Filter.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/WriteStallInfo.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/TtlDB.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/EncodingType.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/OperationStage.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/AbstractEventListener.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/AbstractTraceWriter.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/SstFileWriter.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/Experimental.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-

jar/org/rocksdb/AbstractSlice.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/BuiltinComparator.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/Range.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/CompressionType.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/ReadOptions.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/IngestExternalFileOptions.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/BackupInfo.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/RocksIteratorInterface.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/EventListener.java
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* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
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* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
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* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/LogFile.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
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* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/Transaction.java
* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-
jar/org/rocksdb/ThreadType.java
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* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/Options.java
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* /opt/cola/permits/1340816453_1654799761.6290247/0/rocksdbjni-6-22-1-1-sources-jar/org/rocksdb/Cache.java
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1.234 guava 31.1-jre

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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/hash/Fingerprint2011.java

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*/

/**

* Not supported. You are attempting to create a map that may contain a non-{@code Comparable}

* key. Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy

* version.

```
*
* @throws UnsupportedOperationException always
* @deprecated <b>Pass a key of type { @code Comparable } to use { @link
*   ImmutableSortedMap#of(Comparable, Object)}.</b>
*/
```

Found in path(s):

```
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/ImmutableSortedMapFauxverideShim.java
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*/
```

Found in path(s):

```
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/math/ToDoubleRounder.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/hash/Java8Compatibility.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/math/BigDecimalMath.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/Java8Compatibility.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/OverflowAvoidingLockSupport.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/io/Java8Compatibility.java
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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/base/Utf8.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/io/CharSequenceReader.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/util/concurrent/WrappingScheduledExecutorService.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/reflect/TypeVisitor.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/FilteredMultimapValues.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/AbstractTable.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/base/VerifyException.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/eventbus/SubscriberExceptionHandler.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/eventbus/SubscriberExceptionContext.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/base/Verify.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/hash/HashingInputStream.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/util/concurrent/Runnables.java

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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/primitives/Platform.java

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jar/com/google/common/util/concurrent/AggregateFuture.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/SimpleTimeLimiter.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/escape/CharEscaper.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/GwtFuturesCatchingSpecialization.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/io/AppendableWriter.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/CaseFormat.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/TimeoutFuture.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/annotations/VisibleForTesting.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/FluentFuture.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/AbstractTransformFuture.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/UncheckedTimeoutException.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/TimeLimiter.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/reflect/TypeToken.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/CollectionFuture.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/escape/CharEscaperBuilder.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/GwtFluentFutureCatchingSpecialization.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/FuturesGetChecked.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/AbstractCatchingFuture.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/ImmediateFuture.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/FakeTimeLimiter.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/Futures.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/io/PatternFilenameFilter.java

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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ForwardingSortedSetMultimap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ForwardingImmutableCollection.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/RowSortedTable.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ForwardingSetMultimap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/AbstractSequentialIterator.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/UnmodifiableListIterator.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ForwardingListMultimap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/MinMaxPriorityQueue.java

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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/io/MoreFiles.java

* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ImmutableMapEntry.java

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- * /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/util/concurrent/ParametricNullness.java
- * /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/hash/ParametricNullness.java
- * /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/eventbus/ParametricNullness.java
- * /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/math/ElementTypesAreNonnullByDefault.java
- * /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/xml/ParametricNullness.java
- * /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/net/ElementTypesAreNonnullByDefault.java
- * /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/eventbus/ElementTypesAreNonnullByDefault.java
- * /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/primitives/ParametricNullness.java
- * /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/reflect/ElementTypesAreNonnullByDefault.java
- * /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/hash/ElementTypesAreNonnullByDefault.java
- * /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/escape/ParametricNullness.java
- * /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/cache/ParametricNullness.java
- * /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/io/ParametricNullness.java
- * /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/primitives/ElementTypesAreNonnullByDefault.java
- * /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/graph/ParametricNullness.java
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- * /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ElementTypesAreNonnullByDefault.java
- * /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/io/ElementTypesAreNonnullByDefault.java
- * /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/graph/ElementTypesAreNonnullByDefault.java
- * /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/util/concurrent/ElementTypesAreNonnullByDefault.java
- * /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ParametricNullness.java
- * /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-

jar/com/google/common/escape/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/cache/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/xml/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/reflect/ParametricNullness.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/html/ParametricNullness.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/ElementTypesAreNonnullByDefault.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/ParametricNullness.java
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```

Found in path(s):

* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/primitives/Bytes.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/primitives/Booleans.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/FluentIterable.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/Joiner.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/primitives/Shorts.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/Stopwatch.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/primitives/Floats.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/thirdparty/publicsuffix/TrieParser.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-

jar/com/google/common/base/CharMatcher.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/ListenableFutureTask.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/primitives/Ints.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/Converter.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/primitives/Longs.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/SequentialExecutor.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/net/InetAddresses.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/primitives/Doubles.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/escape/Escaper.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/net/PercentEscaper.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/internal/Finalizer.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/primitives/Chars.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/escape/UnicodeEscaper.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/io/FileBackedOutputStream.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/io/MultiReader.java
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jar/com/google/common/reflect/Reflection.java

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jar/com/google/common/base/JdkPattern.java

* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-

jar/com/google/common/base/CommonMatcher.java

* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-

jar/com/google/common/base/CommonPattern.java

* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-

jar/com/google/common/base/PatternCompiler.java

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jar/com/google/common/math/Quantiles.java

* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-

jar/com/google/common/eventbus/SubscriberRegistry.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/MoreObjects.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/eventbus/Subscriber.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/TrustedListenableFutureTask.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/eventbus/Dispatcher.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/ListenerCallQueue.java
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 */
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 *
 * As of 2010/06/11, this method is identical to the (package private) hash method in OpenJDK 7's
 * java.util.HashMap class.
 */
```

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jar/com/google/common/util/concurrent/Striped.java
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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/GeneralRange.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ForwardingSortedMultiset.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ImmutableSortedMultisetFauxverideShim.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/RegularImmutableSortedMultiset.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ImmutableSortedMultiset.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/SortedIterables.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/SortedIterable.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/RangeSet.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/Count.java

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jar/com/google/common/graph/package-info.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/CollectSpliterators.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/ImmutableBiMapFauxverideShim.java
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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/AbstractBiMap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/SetMultimap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/ImmutableSet.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/ForwardingMultimap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/ForwardingCollection.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/ForwardingMapEntry.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/Multimap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/TreeMultimap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/ReverseOrdering.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/ForwardingIterator.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/LinkedHashMultimap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
```

jar/com/google/common/collect/ForwardingMap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/ReverseNaturalOrdering.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/NullsFirstOrdering.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/AbstractIterator.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/AbstractMapEntry.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/MutableClassToInstanceMap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/NullsLastOrdering.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/Multisets.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/ArrayListMultimap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/MapDifference.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
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jar/com/google/common/collect/Multimaps.java
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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
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jar/com/google/common/collect/ForwardingSortedMap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/Multiset.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/HashMultiset.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/ForwardingSet.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/NaturalOrdering.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/LinkedHashMultiset.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/ForwardingQueue.java
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*/
/*
* This method was rewritten in Java from an intermediate step of the Murmur hash function in
* http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
* following header:
*
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*/
```

Found in path(s):

```
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/Hashing.java
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* the License.
*/
/**
* Holder for web specializations of methods of { @code Ints }. Intended to be empty for regular
* version.
*/
```

Found in path(s):

```
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/primitives/IntsMethodsForWeb.java
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jar/com/google/common/collect/GwtTransient.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/AtomicLongMap.java
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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/graph/BaseGraph.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/graph/AbstractBaseGraph.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/graph/Traverser.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/ClosingFuture.java
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jar/com/google/common/graph/IncidentEdgeSet.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/CompactHashing.java
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jar/com/google/common/base/Charsets.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/io/LittleEndianDataInputStream.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/FinalizablePhantomReference.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
```


jar/com/google/common/eventbus/EventBus.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/FinalizableReferenceQueue.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/eventbus/package-info.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/eventbus/AllowConcurrentEvents.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/io/Files.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/Defaults.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/Throwables.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/io/CountingOutputStream.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/Preconditions.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/ListenableFuture.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/FinalizableSoftReference.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/AbstractFuture.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/io/LineBuffer.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/eventbus/AsyncEventBus.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/FinalizableReference.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/Predicate.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/Objects.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/EnumMultiset.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/io/LineReader.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/primitives/Primitives.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/AbstractIterator.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/Functions.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/eventbus/DeadEvent.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/io/ByteStreams.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-

jar/com/google/common/io/LittleEndianDataOutputStream.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/ExecutionList.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/io/MultiInputStream.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/io/CharStreams.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/io/package-info.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/DirectExecutor.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/io/CountingInputStream.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/Function.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/package-info.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/HashBiMap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/io/Resources.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/FinalizableWeakReference.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/Interners.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/Supplier.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/Predicates.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/eventbus/Subscribe.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/io/Flushables.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/package-info.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/io/Closeables.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/base/Suppliers.java
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/**
* Holder for web specializations of methods of { @code Floats }. Intended to be empty for regular
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```

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```

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jar/com/google/common/collect/RegularImmutableBiMap.java
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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/Table.java
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```
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/UnmodifiableIterator.java
```

```
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/TreeBasedTable.java
```

* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/Tables.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/EmptyImmutableListMultimap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ImmutableMapKeySet.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/StandardTable.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/SingletonImmutableBiMap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ImmutableListMultimap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/Platform.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/PeekingIterator.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/Collections2.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ImmutableEntry.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ImmutableMapEntrySet.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/HashBasedTable.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ImmutableSortedSet.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ImmutableBiMap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ImmutableMapValues.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/Range.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/CollectPreconditions.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ImmutableMap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ImmutableMultiset.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/StandardRowSortedTable.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ImmutableMultimap.java
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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/cache/Striped64.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/hash/LongAdder.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/cache/LongAdder.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/hash/Striped64.java

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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/EmptyImmutableSetMultimap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ArrayTable.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/RegularImmutableSortedSet.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/SingletonImmutableTable.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/TableCollectors.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ImmutableSortedSetFauxverideShim.java

* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ImmutableEnumSet.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ImmutableClassToInstanceMap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/DiscreteDomain.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ImmutableAsList.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ImmutableSortedMap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/RegularImmutableList.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ImmutableTable.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ComputationException.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/AbstractIndexedListIterator.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ForwardingTable.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ComparisonChain.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ImmutableSetMultimap.java

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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ImmutableRangeMap.java

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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/reflect/AbstractInvocationHandler.java

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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/math/PairedStats.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/reflect/ImmutableTypeToInstanceMap.java
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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/graph/StandardNetwork.java
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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/graph/ImmutableGraph.java
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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/MapMaker.java

* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/net/UrlEscapers.java

* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/util/concurrent/ForwardingFuture.java

* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/html/HtmlEscapers.java

* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/io/ByteProcessor.java

* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/util/concurrent/ForwardingFluentFuture.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/annotations/GwtCompatible.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/RegularImmutableTable.java
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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/DenseImmutableTable.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/io/ByteArrayDataOutput.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/cache/LocalCache.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/util/concurrent/Callables.java
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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/primitives/UnsignedBytes.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/SparseImmutableTable.java
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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/hash/Hashing.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/math/package-info.java
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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/cache/AbstractLoadingCache.java

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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/RegularContiguousSet.java
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*/
/*
* This following method is a modified version of one found in
* <http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/test/tck/AbstractExecutorServiceTest.java?revision=1.30>
* which contained the following notice:
*
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*
* Other contributors include Andrew Wright, Jeffrey Hayes, Pat Fisher, Mike Judd.
*/

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*/

/**

* Holder for extra methods of { @code Objects } only in web. Intended to be empty for regular
* version.

*/

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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/TransformedListIterator.java
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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ForwardingImmutableList.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/FilteredMultimap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/FilteredSetMultimap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/TreeTraverser.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/TreeRangeMap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/FilteredEntrySetMultimap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/CompactLinkedHashSet.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/FilteredEntryMultimap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-

jar/com/google/common/collect/ForwardingNavigableMap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/CompactLinkedHashMap.java
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jar/com/google/common/collect/DescendingMultiset.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/FilteredKeySetMultimap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/ForwardingBlockingDeque.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/ForwardingDeque.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/TransformedIterator.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/ForwardingImmutableSet.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/AbstractMultimap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/CompactHashSet.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/SortedMultisetBridge.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/RegularImmutableAsList.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/ForwardingImmutableMap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/AbstractSortedKeySortedSetMultimap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/ForwardingBlockingDeque.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/DescendingImmutableSortedSet.java
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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/JdkBackedImmutableMultiset.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/util/concurrent/ExecutionSequencer.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/JdkBackedImmutableSet.java
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/**

* Holder for web specializations of methods of { @code Shorts}. Intended to be empty for regular
* version.

*/

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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/primitives/ShortsMethodsForWeb.java
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jar/com/google/common/collect/IndexedImmutableSet.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/JdkBackedImmutableBiMap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/BaseImmutableMultimap.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/JdkBackedImmutableMap.java

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/**

* Outer class that exists solely to let us write {@code Partially.GwtIncompatible} instead of plain
* {@code GwtIncompatible}. This is more accurate for {@link Futures#catching}, which is available
* under GWT but with a slightly different signature.

*

* <p>We can't use {@code PartiallyGwtIncompatible} because then the GWT compiler wouldn't recognize
* it as a {@code GwtIncompatible} annotation. And for {@code Futures.catching}, we need the GWT
* compiler to autostrip the normal server method in order to expose the special, inherited GWT
* version.

*/

Found in path(s):

* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/Partially.java

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/**
 * Holder for web specializations of methods of { @code Doubles }. Intended to be empty for regular
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 */
```

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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/primitives/ImmutableDoubleArray.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/hash/AbstractHashFunction.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/ForwardingCondition.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/primitives/ImmutableIntArray.java
```

```
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/primitives/ImmutableLongArray.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/util/concurrent/ForwardingLock.java
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*/
/**
* Returns an array containing all of the elements in the specified collection. This method
* returns the elements in the order they are returned by the collection's iterator. The returned
* array is "safe" in that no references to it are maintained by the collection. The caller is
* thus free to modify the returned array.
*
* <p>This method assumes that the collection size doesn't change while the method is running.
*
* <p>TODO(kevinb): support concurrently modified collections?
*
* @param c the collection for which to return an array of elements
*/
```

Found in path(s):

```
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-
jar/com/google/common/collect/ObjectArrays.java
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* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/util/concurrent/AsyncCallable.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/io/ReaderInputStream.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/util/concurrent/AggregateFutureState.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/hash/MacHashFunction.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/util/concurrent/CombinedFuture.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/util/concurrent/InterruptibleTask.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/hash/LittleEndianByteArray.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/util/concurrent/Platform.java
* /opt/cola/permits/1331474186_1653068600.1248574/0/guava-31-1-jre-sources-3-jar/com/google/common/collect/ConsumingQueueIterator.java

1.235 apache-kafka 3.1.0

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1.236 asm-analysis 9.1

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* /opt/cola/permits/1183891316_1627493686.82/0/asm-analysis-9-1-sources-jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
* /opt/cola/permits/1183891316_1627493686.82/0/asm-analysis-9-1-sources-jar/org/objectweb/asm/tree/analysis/Analyzer.java
* /opt/cola/permits/1183891316_1627493686.82/0/asm-analysis-9-1-sources-jar/org/objectweb/asm/tree/analysis/SourceValue.java
* /opt/cola/permits/1183891316_1627493686.82/0/asm-analysis-9-1-sources-jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java
* /opt/cola/permits/1183891316_1627493686.82/0/asm-analysis-9-1-sources-jar/org/objectweb/asm/tree/analysis/Interpreter.java
* /opt/cola/permits/1183891316_1627493686.82/0/asm-analysis-9-1-sources-jar/org/objectweb/asm/tree/analysis/Value.java
* /opt/cola/permits/1183891316_1627493686.82/0/asm-analysis-9-1-sources-jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
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* /opt/cola/permits/1183891316_1627493686.82/0/asm-analysis-9-1-sources-jar/org/objectweb/asm/tree/analysis/BasicValue.java
* /opt/cola/permits/1183891316_1627493686.82/0/asm-analysis-9-1-sources-jar/org/objectweb/asm/tree/analysis/Subroutine.java
* /opt/cola/permits/1183891316_1627493686.82/0/asm-analysis-9-1-sources-jar/org/objectweb/asm/tree/analysis/SmallSet.java

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 * Constructs a new { @link BasicInterpreter } for the latest ASM API version. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the { @link #BasicInterpreter(int) }
 * version.
 */
```

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```
* /opt/cola/permits/1183891316_1627493686.82/0/asm-analysis-9-1-sources-
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 */
```

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```
* /opt/cola/permits/1183891316_1627493686.82/0/asm-analysis-9-1-sources-
jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java
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1.237 jetbrains-kotlin-kotlin-stdlib-jdk7 1.6.10

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1.238 rider-core 1.32.0

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* /opt/cola/permits/1340816459_1654719777.673265/0/rider-core-1-32-0-sources-
jar/com/github/database/rider/core/dataset/builder/BasicRowBuilder.java
* /opt/cola/permits/1340816459_1654719777.673265/0/rider-core-1-32-0-sources-
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Found in path(s):

```
*/opt/cola/permits/1340816459_1654719777.673265/0/rider-core-1-32-0-sources-
jar/com/github/database/rider/core/api/dataset/DataSetImpl.java
```

1.239 netty-tomcatnative-boringssl-static

2.0.51.Final

1.239.1 Available under license :

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27287199

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2.13.2

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jar/org/aspectj/runtime/internal/CFlowStack.java  
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-  
jar/org/aspectj/runtime/reflect/MethodSignatureImpl.java  
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jar/org/aspectj/lang/NoAspectBoundException.java  
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* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/annotation/Before.java

* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/annotation/Pointcut.java

* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/annotation/AfterReturning.java

* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/annotation/DeclarePrecedence.java

* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/annotation/After.java

* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/annotation/Around.java

* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/annotation/AfterThrowing.java

* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-jar/org/aspectj/lang/ProceedingJoinPoint.java

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* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-jar/org/aspectj/runtime/internal/cflowstack/ThreadCounterImpl11.java

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jar/org/aspectj/lang/reflect/InterTypeFieldDeclaration.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/internal/lang/reflect/InterTypeConstructorDeclarationImpl.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/internal/lang/reflect/DeclareSoftImpl.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/lang/reflect/DeclareAnnotation.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/lang/reflect/PerClause.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/lang/reflect/DeclarePrecedence.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/lang/reflect/SignaturePattern.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/lang/reflect/DeclareSoft.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/lang/reflect/AjTypeSystem.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/internal/lang/reflect/PointcutImpl.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/lang/reflect/DeclareErrorOrWarning.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
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* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/lang/reflect/Advice.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/lang/reflect/TypePattern.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/lang/reflect/PointcutExpression.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/internal/lang/reflect/TypePatternImpl.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
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* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
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* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
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* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
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* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
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* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
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* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/internal/lang/reflect/SignaturePatternImpl.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/lang/reflect/DeclareParents.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
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* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/internal/lang/reflect/DeclareParentsImpl.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/lang/reflect/InterTypeDeclaration.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/internal/lang/reflect/PointcutExpressionImpl.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/internal/lang/reflect/DeclarePrecedenceImpl.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/internal/lang/reflect/InterTypeMethodDeclarationImpl.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/lang/reflect/InterTypeMethodDeclaration.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/lang/reflect/NoSuchAdviceException.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/internal/lang/reflect/StringToType.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/lang/reflect/NoSuchPointcutException.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/lang/reflect/Pointcut.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/lang/reflect/PointcutBasedPerClause.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/internal/lang/annotation/ajcDeclareParents.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/internal/lang/reflect/InterTypeFieldDeclarationImpl.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/internal/lang/reflect/InterTypeDeclarationImpl.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/internal/lang/reflect/DeclareAnnotationImpl.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/internal/lang/reflect/TypePatternBasedPerClauseImpl.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/lang/reflect/AdviceKind.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/internal/lang/annotation/ajcPrivileged.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/internal/lang/reflect/PointcutBasedPerClauseImpl.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-

jar/org/aspectj/internal/lang/reflect/AjTypeImpl.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/internal/lang/reflect/PerClauseImpl.java
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* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/lang/reflect/LockSignature.java
* /opt/cola/permits/1183891981_1654861569.6063452/0/aspectjrt-1-9-7-sources-
jar/org/aspectj/runtime/reflect/UnlockSignatureImpl.java
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* generic signature update   Adrian Colyer  
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* Contributors:  
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*   Alex Vasseur  new factory methods for variants of JP  
*   Abraham Nevado  new factory methods for collapsed SJPs  
*   Andy Clement  new factory methods that rely on LDC <class>  
* *****/
```


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* variant of Aspects in the aspectj5rt project - this one isn't Java5 - Andy Clement

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1.243 kafka-avro-serializer 7.0.1

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```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" lang="en" xml:lang="en" dir="ltr">
<head>
<title>PostgreSQL JDBC License</title>
<meta http-equiv="Content-Type" content="text/xhtml; charset=utf-8" />
<meta name="description" content="The official site for the PostgreSQL JDBC Driver" />
<meta name="copyright" content="The PostgreSQL Global Development Group" />
```



```

<input name="a" type="hidden" value="1"/>
<input id="submit" name="submit" type="submit" value="Search" />
</div>
</form>
-->

</div> <!-- pgSearch -->
<br />

<div id="pgHeader">
<div id="pgHeaderLogoLeft">

<map name="maplinks">
<area shape="rect" coords="0,0,231,80" alt="PostgreSQL" href="https://postgresql.org" />
<area shape="rect" coords="232,0,390,80" alt="PostgreSQL JDBC Driver" href="https://jdbc.postgresql.org" />
</map>
</div>
<div id="pgHeaderLogoRight">
<a href="https://postgresql.org">

</a>
</div>
</div> <!-- pgHeader -->

<div id="pgTopNav">
<div id="pgTopNavLeft">

</div>
<div id="pgTopNavRight">

</div>
<ul id="pgTopNavList">
<li><a href="../../index.html" title="Home">Home</a></li>
<li><a href="../../about/about.html" title="About">About</a></li>
<li><a href="../../download.html" title="Download">Download</a></li>
<li><a href="../../documentation/documentation.html" title="Documentation">Documentation</a></li>
<li><a href="../../community/community.html" title="Community">Community</a></li>
<li><a href="../../development/development.html" title="Development">Development</a></li>
</ul>
</div> <!-- pgTopNav -->
</div> <!-- pgHeaderContainer -->

<div id="pgContent">
<div id="pgSideWrap">
<div id="pgSideNav">
<ul>
<li><a href="about.html">About</a></li>

```

```
<li><a href="license.html">License</a></li>
<li><a href="extras.html">Extras</a></li>
</ul>
</div> <!-- pgSideNam -->
</div> <!-- pgSideWrap -->
```

```
<div id="pgContentWrap">
<h1>BSD 2-clause "Simplified" License</h1>
<p>
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as you don't claim you wrote it or sue us. You should give it a read
though, it's only half a page.
</p>
<hr />
```

```
<pre style="font-family: monospace,'Courier'; background-color: #f9f9f9; padding: 1em; border: 1px solid #ddd">
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```

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INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.</pre>
```

```
</div> <!-- pgContentWrap -->
```

```
<br class="pgClearBoth" />
</div> <!-- pgContent -->
<hr />
```

```
<div id="pgFooter">
```

```
<a class="navFooter" href="https://www.postgresql.org/about/privacypolicy">Privacy Policy</a> |  
<a class="navFooter" href="https://www.postgresql.org/about/">About PostgreSQL</a><br/>  
Copyright &copy; 1996-2020 The PostgreSQL Global Development Group  
</div> <!-- pgFooter -->  
</div> <!-- pgContainer -->  
</div> <!-- pgContainerWrap -->  
</body>  
</html>  
kafka-connect-jdbc  
Copyright (c) 2015 Confluent Inc.
```

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```
<!DOCTYPE html><html class="wp"><head><meta charset="utf-8"/><meta http-equiv="x-ua-compatible"
content="ie=edge"/><meta name="viewport" content="width=device-width, initial-scale=1, shrink-to-
fit=no"/><style data-href="/styles.bac76730c08e59a2e76d.css">.style-module--anchorLinks--2mh4W{text-
align:center}@media screen and (min-width:992px){.style-module--anchorLinks--2mh4W{display:-ms-
flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:center;justify-content:center;margin:3px
0}}.style-module--link--1Ko78{color:#0074a2;text-transform:uppercase;font-weight:700;letter-spacing:1.2px;font-
size:12px;display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;position:relative;margin:0
20px;padding:10px 0}@media screen and (max-width:991px){.style-module--link--1Ko78:first-of-type{margin-
top:0;padding-top:0}}@media screen and (max-width:991px){.style-module--link--1Ko78:last-of-type{margin-
bottom:0;padding-bottom:0}}@media screen and (max-width:991px){.style-module--link--
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20px}}.style-module--animationElement--XoaLp{opacity:1}@media screen and (min-width:992px){.style-module-
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webkit-animation:style-module--fromTop--2tsTM .3s cubic-bezier(.21,.78,.76,.78) forwards;animation:style-
module--fromTop--2tsTM .3s cubic-bezier(.21,.78,.76,.78) forwards}.style-module--animationElement--
XoaLp.style-module--fromRight--3EeXz{-webkit-animation:style-module--fromRight--3EeXz .5s cubic-
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module--fromBottom--6dP9P .5s cubic-bezier(.21,.78,.76,.78) forwards;animation:style-module--fromBottom--
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fromLeft--1q-9z{-webkit-animation:style-module--fromLeft--1q-9z .5s cubic-bezier(.21,.78,.76,.78)
forwards;animation:style-module--fromLeft--1q-9z .5s cubic-bezier(.21,.78,.76,.78) forwards}.style-module--
animationElement--XoaLp.style-module--fadeIn--1P3t4{-webkit-animation:style-module--fadeIn--1P3t4 .5s cubic-
bezier(.21,.78,.76,.78) forwards;animation:style-module--fadeIn--1P3t4 .5s cubic-bezier(.21,.78,.76,.78)
forwards}}@-webkit-keyframes style-module--fromTop--2tsTM{0%{opacity:0;transform:translateY(-
15%)}to{opacity:1;transform:translateY(0)}}@keyframes style-module--fromTop--
2tsTM{0%{opacity:0;transform:translateY(-15%)}to{opacity:1;transform:translateY(0)}}@-webkit-keyframes
style-module--fromRight--
3EeXz{0%{transform:translateX(5%);opacity:0}50%{transform:translateX(0)}95%{opacity:1}to{transform:transla
teX(0);opacity:1}}@keyframes style-module--fromRight--
3EeXz{0%{transform:translateX(5%);opacity:0}50%{transform:translateX(0)}95%{opacity:1}to{transform:transla
teX(0);opacity:1}}@-webkit-keyframes style-module--fromBottom--
6dP9P{0%{opacity:0;transform:translateY(15%)}to{opacity:1;transform:translateY(0)}}@keyframes style-module-
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keyframes style-module--fromLeft--1q-9z{0%{transform:translateX(-
7%);opacity:0}50%{transform:translateX(0)}to{transform:translateX(0);opacity:1}}@keyframes style-module--
fromLeft--1q-9z{0%{transform:translateX(-
```


7%);opacity:0}50%{transform:translateX(0)}to{transform:translateX(0);opacity:1}}@-webkit-keyframes style-module--fadeIn--1P3t4{to{opacity:1}}@keyframes style-module--fadeIn--1P3t4{to{opacity:1}}.style-module--overlay--3uWjl{background:rgba(0,0,0,.75);width:100%;height:100%;left:0;top:0;opacity:1;position:fixed;transition:all .25s ease-in-out;z-index:100}.style-module--button--K11_E{transition:all .5s ease-in-out;transition:all .5s cubic-bezier(.785,.135,.15,.86);border-radius:6px;border-style:solid;border-width:1px;display:inline-block;font-size:12px;font-weight:700;letter-spacing:.9px;line-height:1.5;padding:12px 30px;text-align:center;text-decoration:none;text-transform:uppercase;position:relative}.style-module--button--K11_E:hover{cursor:pointer;text-decoration:none}.style-module--button--K11_E.style-module--island--3qX2T{background-color:#38cccd;border-color:#38cccd;color:#fff}.style-module--button--K11_E.style-module--island--3qX2T:hover{background:#173361;border-color:#173361}.style-module--button--K11_E.style-module--island--3qX2T.disabled{background-color:#ccc;border-color:#ccc;color:#666;cursor:not-allowed}.style-module--button--K11_E.style-module--denim--S1xvF{background-color:#173361;border-color:#173361;color:#fff}.style-module--button--K11_E.style-module--denim--S1xvF:hover{background:#0074a2;border-color:#0074a2}.style-module--button--K11_E.style-module--denimOutline--1Y1tC{background-color:transparent;border-color:#173361;color:#173361}.style-module--button--K11_E.style-module--denimOutline--1Y1tC:hover{background:#173361;color:#fff}.style-module--button--K11_E.style-module--white--3e10p{background-color:#fff;border-color:#fff;color:#173361}.style-module--button--K11_E.style-module--white--3e10p:hover{background:transparent;color:#fff}.style-module--button--K11_E.style-module--whiteOutline--3cb-h{background-color:transparent;border-color:#fff;color:#fff}.style-module--button--K11_E.style-module--whiteOutline--3cb-h:hover{background:#fff;color:#173361}.style-module--button--K11_E.style-module--purple--1TxqH{background-color:#431d73;border-color:#431d73;color:#fff}.style-module--button--K11_E.style-module--purple--1TxqH:hover{background:transparent;border-color:#431d73;color:#431d73}.style-module--button--K11_E.style-module--purpleOutline--1C3T-{background-color:transparent;border-color:#431d73;color:#431d73}.style-module--button--K11_E.style-module--purpleOutline--1C3T:~hover{background:#431d73;color:#fff}.style-module--button--K11_E.style-module--green--2BSuQ{background-color:#159e86;border-color:#159e86;color:#fff}.style-module--button--K11_E.style-module--green--2BSuQ:hover{background:transparent;border-color:#159e86;color:#159e86}.style-module--button--K11_E.style-module--greenOutline--25Pg7{background-color:transparent;border-color:#159e86;color:#159e86}.style-module--button--K11_E.style-module--greenOutline--25Pg7:~hover{background:#159e86;color:#fff}.style-module--button--K11_E.style-module--blue--sASBN{background-color:#0dacc;border-color:#0dacc;color:#fff}.style-module--button--K11_E.style-module--blue--sASBN:~hover{background:transparent;border-color:#0dacc;color:#0dacc}.style-module--button--K11_E.style-module--blueOutline--yXs7S{background-color:transparent;border-color:#0dacc;color:#0dacc}.style-module--button--K11_E.style-module--blueOutline--yXs7S:~hover{background:#0dacc;color:#fff}.style-module--button--K11_E.style-module--orange--3FGxM{background-color:#e37d62;border-color:#e37d62;color:#fff}.style-module--button--K11_E.style-module--orange--3FGxM:~hover{background:transparent;border-color:#e37d62;color:#e37d62}.style-module--button--K11_E.style-module--orangeOutline--Omcu9{background-color:transparent;border-color:#e37d62;color:#e37d62}.style-module--button--K11_E.style-module--orangeOutline--Omcu9:~hover{background:#e37d62;color:#fff}.style-module--button--K11_E.style-module--grey--2lpBY{background-color:#58788c;border-color:#58788c;color:#fff}.style-module--button--K11_E.style-module--grey--2lpBY:~hover{background:transparent;border-color:#58788c;color:#58788c}.style-module--button--K11_E.style-module--greyOutline--3JM3v{background-color:transparent;border-color:#58788c;color:#58788c}.style-module--button--K11_E.style-module--greyOutline--3JM3v:~hover{background:#58788c;color:#fff}.style-module--button--K11_E.style-module--boxShadow--32GhS{padding:50px 30px;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;border:1px solid rgba(130,148,148,.25);border-radius:8px;margin:0 5px;transition:all .3s ease}.style-module--button--K11_E.style-module--boxShadow--32GhS.style-module--fromBottom--1KdMI:after{opacity:0;bottom:-5%}.style-

module--button--K11_E.style-module--boxShadow--32GhS.style-module--fromBottom--
 1KdMI: hover: after { opacity: 1; bottom: 5px } .style-module--button--K11_E.style-module--boxShadow--32GhS.style-
 module--fromLeft--mzMqk: after { opacity: 0; top: calc(50% - 9px); right: 6px } .style-module--button--K11_E.style-
 module--boxShadow--32GhS.style-module--fromLeft--mzMqk: hover: after { opacity: 1; right: 1px } .style-module--
 button--K11_E.style-module--boxShadow--
 32GhS: after { content: ""; position: absolute; width: 20px; height: 20px; background-
 image: url("https://d33wubrfki0l68.cloudfront.net/1d1bc6e441a34bc38df8118a4d8541cffe6a6412/13d9c/icons/arrow
 _line.inline.svg"); background-repeat: no-repeat; transition: all .3s ease } .style-module--button--K11_E.style-module--
 boxShadow--32GhS img { -o-object-fit: contain; object-fit: contain } .style-module--button--K11_E.style-module--
 boxShadow--32GhS: hover { box-shadow: 0 4px 15px rgba(0,0,0,.25) } .style-module--button--
 K11_E: disabled { background-color: rgba(130,148,148,.25)!important; cursor: not-allowed!important; border-
 color: rgba(130,148,148,.25)!important } .style-module--footnote--2QqUZ { font-weight: 300; font-
 size: 12px; color: #000; display: block; margin-top: 15px } .style-module--arrow--
 2RnsV { position: relative; cursor: pointer } .style-module--arrow--2RnsV: after, .style-module--arrow--
 2RnsV: before { content: ""; position: absolute; background-color: #173361; transition: all .4s cubic-
 bezier(1,.07,.28,1.04); width: 15px; height: 2px } .style-module--left--fNXOv: before, .style-module--right--
 1dAD9: after { -ms-transform: rotate(-45deg); transform: rotate(-45deg) } .style-module--left--fNXOv: after, .style-
 module--right--1dAD9: before { -ms-transform: rotate(45deg); transform: rotate(45deg) } .style-module--left--
 fNXOv: after, .style-module--left--fNXOv: before, .style-module--right--1dAD9: after, .style-module--right--
 1dAD9: before { left: 0 } .style-module--left--fNXOv.style-module--sm--ib37X: after, .style-module--left--fNXOv.style-
 module--sm--ib37X: before, .style-module--right--1dAD9.style-module--sm--ib37X: after, .style-module--right--
 1dAD9.style-module--sm--ib37X: before { width: 8px } .style-module--left--fNXOv.style-module--sm--
 ib37X: before, .style-module--right--1dAD9.style-module--sm--ib37X: before { top: 3px } .style-module--left--
 fNXOv.style-module--sm--ib37X: after, .style-module--right--1dAD9.style-module--sm--ib37X: after { top: 9px } .style-
 module--left--fNXOv.style-module--md--1r7eR: before, .style-module--right--1dAD9.style-module--md--
 1r7eR: before { top: 5px } .style-module--left--fNXOv.style-module--md--1r7eR: after, .style-module--right--
 1dAD9.style-module--md--1r7eR: after { top: 15px } .style-module--down--cdTKv: before { -ms-
 transform: rotate(45deg); transform: rotate(45deg) } .style-module--down--cdTKv: after { -ms-transform: rotate(-
 45deg); transform: rotate(-45deg) } .style-module--up--1TDML: before { -ms-
 transform: rotate(135deg); transform: rotate(135deg) } .style-module--up--1TDML: after { -ms-transform: rotate(-
 135deg); transform: rotate(-135deg) } .style-module--down--cdTKv: after, .style-module--up--
 1TDML: after { left: 11px } .style-module--down--cdTKv.style-module--sm--ib37X: after, .style-module--down--
 cdTKv.style-module--sm--ib37X: before, .style-module--up--1TDML.style-module--sm--ib37X: after, .style-module--
 up--1TDML.style-module--sm--ib37X: before { width: 11px } .style-module--down--cdTKv.style-module--sm--
 ib37X: after, .style-module--up--1TDML.style-module--sm--ib37X: after { left: 7px } .style-module--theme_white--
 2Exob: after, .style-module--theme_white--2Exob: before { background-color: #fff } .style-module--theme_denim--
 2OIpA: after, .style-module--theme_denim--2OIpA: before { background-color: #173361 } .style-module--
 theme_academy--1Az4R: after, .style-module--theme_academy--1Az4R: before { background-color: #0074a2 } .style-
 module--title--mJiqI { color: #173361; font-size: 18px; font-weight: 700; line-height: 23px; margin: 0; padding: 0 } .style-
 module--title--mJiqI a { color: #173361; text-decoration: underline } .style-module--label--sG7o { color: #173361; font-
 size: 12px; font-weight: 500; line-height: 2.67; letter-spacing: 2px; line-height: 1; margin-bottom: 15px; text-
 transform: uppercase } .style-module--main--1i9BQ { color: #0074a2 } .style-module--subtitle--
 1iPNp { color: #829494 } .style-module--main--1i9BQ+.style-module--subtitle--1iPNp: before { content: " | " } .style-
 module--footnote--szFSW { position: absolute; top: calc(100% + 10px); left: 0; right: 0; font-weight: 300; font-
 size: 12px; color: #000 } .style-module--card--2PEGL { background-color: #fff; border-radius: 8px; margin-
 bottom: 10px; padding: 25px; display: -ms-flexbox; display: flex; position: relative; color: #173361; font-size: 16px; font-
 weight: 300; line-height: 25px; letter-spacing: 0 } .style-module--card--2PEGL: first-child: last-child { margin-
 bottom: 0 } .style-module--card--2PEGL.style-module--style_list--3UZC3 .style-module--blurb--3eRls

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ul{margin:0;padding:0;list-style:none}.style-module--card--2PEGL.style-module--style_stack--3ie4F{text-align:center}@media screen and (max-width:767px){.style-module--card--2PEGL.style-module--style_stack--3ie4F{margin-top:10px}.style-module--card--2PEGL.style-module--style_stack--3ie4F.style-module--hasFootnote--2yz-c{margin-bottom:30px}}@media screen and (max-width:767px){.style-module--card--2PEGL.style-module--style_stack--3ie4F+.style-module--style_stack--3ie4F{margin-top:30px}}.style-module--card--2PEGL.style-module--style_stack--3ie4F.style-module--content--ycnjO{-ms-flex-direction:column;flex-direction:column}.style-module--card--2PEGL.style-module--style_stack--3ie4F.style-module--iconContainer--3JNL4{position:absolute;top:0;left:50%;-ms-transform:translate(-50%,-45px);transform:translate(-50%,-45px);margin:0}.style-module--card--2PEGL.style-module--style_stack--3ie4F.style-module--iconContainer--3JNL4+.style-module--main--okEB_{margin-top:20px}.style-module--card--2PEGL.style-module--style_stack--3ie4F.style-module--blurb--3eRIs{margin-top:25px}.style-module--card--2PEGL.style-module--style_stack--3ie4F.style-module--ctaContainer--3OCCE{margin-top:50px;margin-bottom:25px}.style-module--card--2PEGL.style-module--border--2oZLL{border:4px solid}.style-module--card--2PEGL.style-module--border--2oZLL.style-module--border_gray--hLEki{border-color:hsla(0,0%,96.1%,.85)!important}.style-module--card--2PEGL.style-module--island--21OU8 span{color:#173361}.style-module--card--2PEGL.style-module--island--21OU8 h3{color:#38cccd}.style-module--clickable--8zs5X{cursor:pointer}.style-module--clickable--8zs5X.style-module--arrow--1waU4{position:absolute;right:40px;top:50%;-ms-transform:translateY(-50%);transform:translateY(-50%)}.style-module--clickable--8zs5X.style-module--main--okEB_{margin-right:100px}@media screen and (max-width:767px){.style-module--clickable--8zs5X.style-module--main--okEB_{margin-right:0}}.style-module--clickable--8zs5X: hover h3 a{text-decoration:underline}.style-module--content--ycnjO{display:-ms-flexbox;display:flex;-ms-flex:1 1;flex:1 1;position:relative}.style-module--content--ycnjO p{margin-top:10px}.style-module--content--ycnjO p:last-child{margin-bottom:0}.style-module--content--ycnjO .style-module--iconContainer--3JNL4{margin-right:15px}.style-module--main--okEB_{-ms-flex:1 1;flex:1 1;display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;-ms-flex-pack:justify;justify-content:space-between}.style-module--ctaContainer--3OCCE{margin-top:25px}@media screen and (max-width:767px){.style-module--cardPerson--oCaWX.style-module--content--ycnjO{-ms-flex-direction:column;flex-direction:column}}@media screen and (max-width:767px){.style-module--cardPerson--oCaWX.style-module--content--ycnjO h3,.style-module--cardPerson--oCaWX.style-module--iconContainer--3JNL4{text-align:center}}.style-module--cardPerson--oCaWX.style-module--iconContainer--3JNL4 img{width:100px;height:auto;border-radius:50%}@media screen and (max-width:767px){.style-module--arrow--1waU4{display:none}}.style-module--blurb--3eRIs{margin-top:10px;margin-bottom:auto}.style-module--image_top--1EEoe{-ms-flex-direction:column;flex-direction:column}.style-module--image_top--1EEoe.style-module--content--ycnjO{margin:25px 0 0}@media screen and (max-width:991px){.style-module--image_left--CsqNI.style-module--content--ycnjO{-ms-flex-direction:column;flex-direction:column}}.style-module--image_left--CsqNI.style-module--content--ycnjO.style-module--main--okEB_{margin:25px}@media screen and (max-width:991px){.style-module--image_left--CsqNI.style-module--content--ycnjO.style-module--main--okEB_{margin:25px 0 0}}.style-module--image_left--CsqNI.style-module--imageContainer--r_DS-{width:468px}@media screen and (max-width:991px){.style-module--image_left--CsqNI.style-module--imageContainer--r_DS-{width:100%}}.style-module--container--3NHJW .slick-current{z-index:1}.style-module--container--3NHJW .slick-prev{left:0}.style-module--container--3NHJW .slick-next{right:0}.style-module--container--3NHJW.style-module--defaultArrows--V48oD .slick-arrow{position:absolute;top:50%;z-index:12;height:80px;margin-top:-40px;font-size:0;width:0;opacity:0;transition:all .3s ease;text-align:center;color:#fff;background:rgba(0,0,0,.7);outline:0;border:none}.style-module--container--3NHJW.style-module--defaultArrows--V48oD .slick-arrow:before{line-height:80px;display:inline-block;font-family:FontAwesome;font-size:40px}.style-module--container--3NHJW.style-module--defaultArrows--V48oD .slick-arrow: hover{-ms-transform:scale(1.1);transform:scale(1.1)}.style-module--container--3NHJW.style-module--defaultArrows--V48oD .slick-prev{left:0;border-radius:0 40px 40px 0}.style-module--container--3NHJW.style-module--defaultArrows--V48oD .slick-prev:before{content:"\F104";padding-right:15px}.style-module--container--

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3NHJW.style-module--defaultArrows--V48oD .slick-next{right:0;border-radius:40px 0 0 40px}.style-module--
container--3NHJW.style-module--defaultArrows--V48oD .slick-next:before{content:"\F105";padding-
left:10px}.style-module--container--3NHJW.style-module--defaultArrows--V48oD:hover .slick-
arrow{opacity:1;width:55px}.style-module--container--3NHJW.style-module--simpleArrows--1nTC0{display:-ms-
flexbox;display:flex;-ms-flex-align:center;align-items:center}.style-module--container--3NHJW.style-module--
simpleArrows--1nTC0 .slick-arrow{background:none;color:transparent;z-index:10}@media screen and (max-
width:991px){.style-module--container--3NHJW.style-module--simpleArrows--1nTC0 .slick-
arrow{display:none}}.style-module--container--3NHJW.style-module--simpleArrows--1nTC0 .slick-list{-ms-flex:1
1;flex:1 1;margin:0 30px}.style-module--container--3NHJW.style-module--simpleArrows--1nTC0 .style-module--
dots--2oV0K{position:absolute;top:100%;left:50%;-ms-transform:translate(-50%,20px);transform:translate(-
50%,20px);margin:0}.style-module--dots--2oV0K{display:block;margin:20px 0 0;padding:0;list-style:none;text-
align:center}.style-module--dots--2oV0K li{cursor:pointer;display:inline-block;margin-right:10px}.style-module--
dots--2oV0K li:last-child{margin-right:0}.style-module--dots--2oV0K li
span{width:12px;height:12px;background:#fff;border-radius:50px;display:block;border:1px solid #173361}.style-
module--dots--2oV0K li.slick-active span{background:#173361}.style-module--theme_academy--1hgrC .style-
module--dots--2oV0K li span{border-color:#0074a2}.style-module--theme_academy--1hgrC .style-module--dots--
2oV0K li.slick-active span{background:#0074a2}.style-module--close--f6-
7U{position:absolute;right:10px;top:10px;cursor:pointer;opacity:.5;height:25px;width:25px;z-index:3;transition:all
.25s ease-in-out}.style-module--close--f6-7U:hover{opacity:1;-ms-transform:scale(.9);transform:scale(.9)}.style-
module--close--f6-7U:after,.style-module--close--f6-7U:before{position:absolute;left:15px;content:"
";height:20px;width:2px;background-color:#173361}.style-module--close--f6-7U:before{-ms-
transform:rotate(45deg);transform:rotate(45deg)}.style-module--close--f6-7U:after{-ms-transform:rotate(-
45deg);transform:rotate(-45deg)}.style-module--grid--3kV-8{display:-ms-flexbox;display:flex;-ms-flex-
wrap:wrap;flex-wrap:wrap;-ms-flex-pack:start;justify-content:flex-start;width:100%}@media screen and (max-
width:767px){.style-module--grid--3kV-8{-ms-flex-direction:column;flex-direction:column}}.style-module--grid--
3kV-8>div{margin:0;width:100%}@media screen and (max-width:767px){.style-module--grid--3kV-
8>div>div{margin-top:10px}}.style-module--grid--3kV-8.style-module--col1--2h_Ja>div>div{margin-
top:10px}@media screen and (min-width:768px){.style-module--grid--3kV-8.style-module--col2--
2p2M7>div{margin-top:10px;width:calc((100% - 10px)/2)}.style-module--grid--3kV-8.style-module--col2--
2p2M7>div:nth-child(2n){margin-left:10px}.style-module--grid--3kV-8.style-module--col2--2p2M7>div:first-
child,.style-module--grid--3kV-8.style-module--col2--2p2M7>div:nth-child(2){margin-top:0}}@media screen and
(min-width:768px){.style-module--grid--3kV-8.style-module--col3--3TXIt>div{margin-top:10px;margin-
left:10px;width:calc((100% - 20px)/3)}.style-module--grid--3kV-8.style-module--col3--3TXIt>div:nth-
child(3n+1){margin-left:0}.style-module--grid--3kV-8.style-module--col3--3TXIt>div:first-child,.style-module--
grid--3kV-8.style-module--col3--3TXIt>div:nth-child(2),.style-module--grid--3kV-8.style-module--col3--
3TXIt>div:nth-child(3){margin-top:0}}@media screen and (min-width:768px) and (max-width:991px){.style-
module--grid--3kV-8.style-module--col4--3H2qW>div{margin-top:10px;margin-left:10px;width:calc((100% -
10px)/2)}.style-module--grid--3kV-8.style-module--col4--3H2qW>div:nth-child(odd){margin-left:0}.style-module-
grid--3kV-8.style-module--col4--3H2qW>div:first-child,.style-module--grid--3kV-8.style-module--col4--
3H2qW>div:nth-child(2){margin-top:0}}@media screen and (min-width:992px){.style-module--grid--3kV-8.style-
module--col4--3H2qW>div{margin-top:10px;margin-left:10px;width:calc((100% - 30px)/4)}.style-module--grid--
3kV-8.style-module--col4--3H2qW>div:nth-child(4n+1){margin-left:0}.style-module--grid--3kV-8.style-module--
col4--3H2qW>div:first-child,.style-module--grid--3kV-8.style-module--col4--3H2qW>div:nth-child(2),.style-
module--grid--3kV-8.style-module--col4--3H2qW>div:nth-child(3),.style-module--grid--3kV-8.style-module--col4-
3H2qW>div:nth-child(4){margin-top:0}}@media screen and (min-width:768px){.style-module--grid--3kV-8.style-
module--col5--1Ve_W>div{margin-top:10px;margin-left:10px;width:calc((100% - 40px)/5)}.style-module--grid--
3kV-8.style-module--col5--1Ve_W>div:nth-child(5n+1){margin-left:0}.style-module--grid--3kV-8.style-module--
col5--1Ve_W>div:first-child,.style-module--grid--3kV-8.style-module--col5--1Ve_W>div:nth-child(2),.style-
```

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module--grid--3kV-8.style-module--col5--1Ve_W>div:nth-child(3),.style-module--grid--3kV-8.style-module--col5--1Ve_W>div:nth-child(4),.style-module--grid--3kV-8.style-module--col5--1Ve_W>div:nth-child(5){margin-top:0} .style-module--required--fqVjc{display:inline-block;color:#bf0000;font-size:13px;position:relative;top:-3px} .style-module--input--3P0z6{background-color:#fff;border:2px solid hsla(0,0%,73.3%,.5);border-radius:4px;width:100%;margin-bottom:5px;color:#000;font-size:14px;font-weight:300;line-height:1.2;padding:10px} .style-module--input--3P0z6::-webkit-input-placeholder{color:#829494} .style-module--input--3P0z6::-moz-placeholder{color:#829494} .style-module--input--3P0z6:-ms-input-placeholder{color:#829494} .style-module--input--3P0z6::placeholder{color:#829494} .style-module--input--3P0z6.style-module--error--2b0DF{border-color:#d8365d} .style-module--input--3P0z6[type=checkbox].style-module--error--2b0DF+span{box-shadow:inset 0 0 2px #d8365d} .style-module--container--1xvMb{display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;position:relative;margin:0} .style-module--container--1xvMb+.style-module--container--1xvMb{margin-top:10px} .style-module--container--1xvMb .style-module--checkbox--2Ha9r,.style-module--container--1xvMb input{width:25px;height:25px} .style-module--label--2uunW{color:#000;font-size:14px;font-weight:300;line-height:1.8px;margin:0;cursor:pointer} .style-module--inputContainer--2JVku{margin-right:10px} .style-module--inputContainer--2JVku input{position:absolute;opacity:0;margin:0;z-index:1} .style-module--checkbox--2Ha9r{display:block;border:1px solid #173361;transition:all .2s ease-in-out;background:#fff;border-radius:4px;position:relative;cursor:pointer} .style-module--checkbox--2Ha9r:after{content:"";position:absolute;display:none;background-color:#173361;width:100%;height:100%} .style-module--input--CKpKC{width:auto;cursor:pointer} .style-module--input--CKpKC.style-module--error--1LQt5,.style-module--input--CKpKC:checked+.style-module--checkbox--2Ha9r:after{display:block} .style-module--input--CKpKC.style-module--error--1LQt5+.style-module--checkbox--2Ha9r{border-color:#d8365d} .style-module--sm--3v0C2 .style-module--checkbox--2Ha9r,.style-module--sm--3v0C2 input{width:15px;height:15px} .style-module--sm--3v0C2 .style-module--label--2uunW{font-size:11px;line-height:14px} .style-module--academy--iGYzj .style-module--checkbox--2Ha9r{border-color:#0074a2} .style-module--academy--iGYzj .style-module--checkbox--2Ha9r:after{background-color:#0074a2} .style-module--container--2hvXD,.style-module--menu--1h96n,.style-module--mobile--14cbj select{border-radius:4px;border:2px solid rgba(130,148,148,.25);background-color:#fff;padding:6px 15px;width:100%;display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-align:center;align-items:center;cursor:pointer;position:relative;color:#829494;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}@media screen and (max-width:767px){.style-module--container--2hvXD,.style-module--menu--1h96n,.style-module--mobile--14cbj select{max-width:none}}@media screen and (max-width:767px){.style-module--select--3SFOn .style-module--container--2hvXD{display:none}}.style-module--select--3SFOn .style-module--menu--1h96n{padding:0;z-index:10;position:absolute;top:38px;left:-2px;width:calc(100% + 4px);max-height:0;opacity:0;overflow:hidden;transition:all .5s ease-in-out} .style-module--select--3SFOn .style-module--menu--1h96n ul{color:#173361;margin:0;padding:0;list-style:none;text-align:left;width:100%;max-height:420px} .style-module--select--3SFOn .style-module--menu--1h96n ul li{padding:8px 15px;line-height:1.75;white-space:nowrap;text-overflow:ellipsis;overflow-x:hidden} .style-module--select--3SFOn .style-module--menu--1h96n ul li.style-module--selected--3yaOi,.style-module--select--3SFOn .style-module--menu--1h96n ul li:hover{font-weight:700;background:hsla(0,0%,96.1%,.85)} .style-module--select--3SFOn .style-module--menu--1h96n .style-module--overflow--1RxFl ul{overflow-y:scroll} .style-module--select--3SFOn .style-module--fullWidth--2xKDP .style-module--container--2hvXD,.style-module--select--3SFOn .style-module--fullWidth--2xKDP .style-module--menu--1h96n{max-width:none} .style-module--select--3SFOn .style-module--error--3hwWy .style-module--container--2hvXD{border-color:#d8365d} .style-module--select--3SFOn .style-module--isOpen--1d_xH .style-module--container--2hvXD{color:#173361;border-bottom-left-radius:0;border-bottom-right-radius:0} .style-module--select--3SFOn .style-module--isOpen--1d_xH .style-module--menu--1h96n{max-height:420px;opacity:1;border-top-left-radius:0;border-top-right-radius:0} .style-module--select--3SFOn .style-module--hasValue--1Ju1P .style-module--container--2hvXD{color:#173361} .style-module--icon--2tH3R{margin-
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right:15px }.style-module--mobile--14cbj{display:none;position:relative;width:100%}@media screen and (max-
width:767px){.style-module--mobile--14cbj{display:inline-block}}.style-module--mobile--14cbj
select{height:40px;-webkit-appearance:none;-moz-appearance:none;appearance:none;cursor:pointer}.style-module-
-mobile--14cbj .style-module--icon--2tH3R{position:absolute;top:50%;right:20px}.style-module--tagline--
3lYwW{color:#173361;font-size:12px;font-weight:500;letter-spacing:2.33px;line-height:2.29;text-
transform:uppercase;margin-bottom:10px}.style-module--tagline--3lYwW a{text-decoration:underline}.style-
module--hero--1nLoF{background-color:#b4e1e4;border-radius:8px;color:#173361;font-size:18px;font-
weight:300;line-height:1.39;margin:85px 25px 15px}@media screen and (max-width:767px){.style-module--hero--
1nLoF{border-radius:0;margin-left:0;margin-right:0}}@media print{.style-module--hero--1nLoF{margin-
top:0}}.style-module--hero--1nLoF h1{color:#173361;font-size:46px;font-weight:700;line-
height:1.26;margin:0}@media screen and (max-width:767px){.style-module--hero--1nLoF h1{font-size:28px;word-
break:break-word}}.style-module--hero--1nLoF h1 a{color:inherit;text-decoration:underline}.style-module--hero--
1nLoF .style-module--container--1TRql{background-size:40% 100%;background-repeat:no-repeat;background-
position:100% 0;max-width:1170px;margin:0 auto;display:-ms-flexbox;display:flex;-ms-flex-align:center;align-
items:center;padding:100px 15px;-ms-flex-pack:center;justify-content:center;text-align:center}@media print{.style-
module--hero--1nLoF .style-module--container--1TRql{padding:20px 0}}@media screen and (max-
width:767px){.style-module--hero--1nLoF .style-module--container--1TRql{background-
image:none!important;height:auto;padding-top:50px;padding-bottom:50px}}.style-module--hero--1nLoF .style-
module--container--1TRql.style-module--afterContentBottom--3LpT1{-ms-flex-direction:column;flex-
direction:column}.style-module--hero--1nLoF .style-module--container--1TRql.style-module--afterContentBottom--
3LpT1 .style-module--afterContent--3dL4o{margin-top:100px}.style-module--hero--1nLoF .style-module--
container--1TRql .style-module--content--34byx{line-height:1.39;font-size:18px;font-weight:300;max-
width:90%;width:800px}@media screen and (max-width:991px){.style-module--hero--1nLoF .style-module--
container--1TRql .style-module--content--34byx{text-align:center;margin:auto}}.style-module--hero--1nLoF .style-
module--container--1TRql .style-module--content--34byx>p:first-of-type{margin-top:50px}@media screen and
(max-width:767px){.style-module--hero--1nLoF .style-module--container--1TRql .style-module--content--
34byx>p:first-of-type{margin-top:25px}}.style-module--hero--1nLoF .style-module--container--1TRql .style-
module--content--34byx p+p{margin-top:15px}.style-module--hero--1nLoF .style-module--container--1TRql .style-
module--imageContainer--ZuS-j{max-width:400px;margin-left:100px;-ms-flex-negative:0;flex-shrink:0}@media
screen and (max-width:991px){.style-module--hero--1nLoF .style-module--container--1TRql .style-module--
imageContainer--ZuS-j{display:none}}.style-module--hero--1nLoF .style-module--footnote--3qpiY{font-
weight:300;font-size:12px;color:#000;display:block;margin-top:15px}.style-module--hero--1nLoF .style-module--
ctaContainer--1IaN3{display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;-ms-flex-
align:center;align-items:center;margin-top:50px}@media screen and (max-width:767px){.style-module--hero--
1nLoF .style-module--ctaContainer--1IaN3{margin-top:25px}}@media screen and (min-width:576px){.style-
module--hero--1nLoF .style-module--ctaContainer--1IaN3{-ms-flex-direction:row;flex-direction:row;-ms-flex-
pack:center;justify-content:center}}.style-module--hero--1nLoF .style-module--ctaContainer--1IaN3 .style-module--
button--2qoRp{min-width:141px;padding-left:40px;padding-right:40px}@media screen and (max-
width:575px){.style-module--hero--1nLoF .style-module--ctaContainer--1IaN3 .style-module--button--2qoRp{min-
width:unset;max-width:270px;width:80%}}.style-module--hero--1nLoF .style-module--ctaContainer--1IaN3 .style-
module--button--2qoRp+.style-module--button--2qoRp{margin-top:10px}@media screen and (min-
width:576px){.style-module--hero--1nLoF .style-module--ctaContainer--1IaN3 .style-module--button--
2qoRp+.style-module--button--2qoRp{margin-left:10px;margin-top:0}}.style-module--hero--1nLoF .style-module--
textLeft--HI8a_{-ms-flex-pack:start;justify-content:flex-start;text-align:left;width:95%}@media screen and (min-
width:768px) and (max-width:991px){.style-module--hero--1nLoF .style-module--textLeft--HI8a_ .style-module--
content--34byx{width:80%}}@media screen and (max-width:767px){.style-module--hero--1nLoF .style-module--
textLeft--HI8a_ .style-module--content--34byx{width:100%;-ms-flex-pack:center;justify-content:center;text-
align:center}}.style-module--hero--1nLoF .style-module--textLeft--HI8a_ .style-module--ctaContainer--1IaN3{-ms-

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flex-pack:center;justify-content:center}@media screen and (min-width:992px){.style-module--hero--1nLoF .style-
module--textLeft--HI8a_ .style-module--ctaContainer--1IaN3{-ms-flex-pack:start;justify-content:flex-start}}.style-
module--hero--1nLoF .style-module--containerImageBottom--2LKI6{padding-
top:100px;height:auto;position:relative}@media screen and (min-width:768px){.style-module--hero--1nLoF .style-
module--containerImageBottom--2LKI6{padding-bottom:258px}}@media screen and (max-width:767px){.style-
module--hero--1nLoF .style-module--containerImageBottom--2LKI6{padding-top:50px}}.style-module--hero--
1nLoF .style-module--containerImageBottom--2LKI6 .style-module--image_bottom--zOesm{margin-
top:60px;max-height:400px;position:absolute;left:50%;-ms-transform:translateX(-50%);transform:translateX(-
50%)}@media screen and (min-width:768px){.style-module--hero--1nLoF .style-module--containerImageBottom--
2LKI6 .style-module--image_bottom--zOesm{bottom:-210px}}@media screen and (max-width:767px){.style-
module--hero--1nLoF .style-module--containerImageBottom--2LKI6 .style-module--image_bottom--
zOesm{display:none}}.style-module--hero--1nLoF.style-module--denim--15Zqi{background-
color:#173361;color:#fff}.style-module--hero--1nLoF.style-module--denim--15Zqi h1{color:#fff}.style-module--
hero--1nLoF.style-module--denim--15Zqi .style-module--tagline--jeiwh{color:#38cccd}.style-module--hero--
1nLoF.style-module--academy--21rqe{background-color:#0074a2;color:#fff}.style-module--hero--1nLoF.style-
module--academy--21rqe .style-module--tagline--jeiwh,.style-module--hero--1nLoF.style-module--academy--21rqe
h1{color:#fff}.style-module--hero--1nLoF.style-module--island--1yBks{background-
color:#38cccd;color:#fff}.style-module--hero--1nLoF.style-module--island--1yBks .style-module--tagline--
jeiwh,.style-module--hero--1nLoF.style-module--island--1yBks h1{color:#fff}.style-module--hero--1nLoF.style-
module--ice--1HVBn{background-color:#e6f5fb;color:#173361}.style-module--hero--1nLoF.style-module--ice--
1HVBn .style-module--tagline--jeiwh,.style-module--hero--1nLoF.style-module--ice--1HVBn
h1{color:#173361}.style-module--hero--1nLoF.style-module--darkPurple--3cUD3{background-
color:#431d73;color:#fff}.style-module--hero--1nLoF.style-module--darkPurple--3cUD3 .style-module--tagline--
jeiwh,.style-module--hero--1nLoF.style-module--darkPurple--3cUD3 h1{color:#fff}.style-module--hero--
1nLoF.style-module--green--1pKLp{background-color:#159e86;color:#fff}.style-module--hero--1nLoF.style-
module--green--1pKLp .style-module--tagline--jeiwh,.style-module--hero--1nLoF.style-module--green--1pKLp
h1{color:#fff}.style-module--hero--1nLoF.style-module--blue--32EDh{background-color:#0dacc;color:#fff}.style-
module--hero--1nLoF.style-module--blue--32EDh .style-module--tagline--jeiwh,.style-module--hero--1nLoF.style-
module--blue--32EDh h1{color:#fff}.style-module--hero--1nLoF.style-module--orange--3Nn0V{background-
color:#e37d62;color:#fff}.style-module--hero--1nLoF.style-module--orange--3Nn0V .style-module--tagline--
jeiwh,.style-module--hero--1nLoF.style-module--orange--3Nn0V h1{color:#fff}.style-module--hero--1nLoF.style-
module--grey--b1HtI{background-color:#58788c;color:#fff}.style-module--hero--1nLoF.style-module--grey--b1HtI
.style-module--tagline--jeiwh,.style-module--hero--1nLoF.style-module--grey--b1HtI h1{color:#fff}.style-module--
hero--1nLoF.style-module--white--2ExPf{background-color:#fff;color:#173361}.style-module--hero--1nLoF.style-
module--white--2ExPf h1{color:#173361}.style-module--hero--1nLoF.style-module--white--2ExPf .style-module--
tagline--jeiwh{color:#0074a2}.wp .style-module--hero--1nLoF{margin-top:5px!important;margin-bottom:0}.wp
.style-module--hero--1nLoF p{color:#173361;line-height:1.39;font-size:18px;font-weight:300}.style-module--
thankyou--2DaBZ{color:#000;font-size:28px;font-weight:500}@media screen and (max-width:767px){.style-
module--thankyou--2DaBZ{font-size:21px}}.style-module--container--
v6Tvx{position:fixed;top:0;left:0;width:100%;height:100%;z-index:100;pointer-events:none}.style-module--
content--3Dxe5{position:fixed;top:100%;left:50%;-ms-transform:translateX(-50%);transform:translateX(-
50%);background:#fff;margin:0 auto;border-radius:5px;height:auto;width:100%;max-width:700px;max-
height:80%;padding:30px;transition:all .25s ease-in-out;z-index:200}.style-module--close--
1K7Mo{position:absolute;right:33px;top:33px;cursor:pointer;opacity:.5;height:25px;width:25px;z-
index:200;transition:all .25s ease-in-out}.style-module--close--1K7Mo:hover{opacity:1}.style-module--close--
1K7Mo:after,.style-module--close--1K7Mo:before{position:absolute;left:15px;content:"
";height:30px;width:3px;background-color:#333}.style-module--close--1K7Mo.style-module--sm--
3FBda:after,.style-module--close--1K7Mo.style-module--sm--3FBda:before{height:20px}.style-module--close--

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1K7Mo:before{-ms-transform:rotate(45deg);transform:rotate(45deg)}.style-module--close--1K7Mo:after{-ms-
transform:rotate(-45deg);transform:rotate(-45deg)}.style-module--active--2tAbX{pointer-events:auto}.style-
module--active--2tAbX.style-module--content--3Dxe5{top:50%;left:50%;-ms-transform:translate(-50%,-
50%);transform:translate(-50%,-50%)}.style-module--videoContainer--3o_eo
iframe{width:100%;height:100%;position:absolute;top:0;left:0}.style-module--videoContainer--3o_eo.style-
module--content--3Dxe5{background:#333;padding:0;width:100%;max-width:940px;height:auto;max-
height:540px;border-radius:0;opacity:0}.style-module--videoContainer--3o_eo.style-module--video--
qbhce{position:relative;width:100%;height:0;padding-bottom:56.25%}.style-module--videoContainer--3o_eo.style-
module--close--1K7Mo{top:-30px;right:-30px;opacity:.8}.style-module--videoContainer--3o_eo.style-module--
close--1K7Mo:after{opacity:1}.style-module--videoContainer--3o_eo.style-module--close--1K7Mo:after,.style-
module--videoContainer--3o_eo.style-module--close--1K7Mo:after{background-color:#fff}.style-module--
videoContainer--3o_eo.style-module--active--2tAbX.style-module--content--3Dxe5{opacity:1}.style-module--
powder--BBZ_b{background:#d7eff6}.style-module--powder--BBZ_b.style-module--close--
1K7Mo{opacity:1}.style-module--powder--BBZ_b.style-module--close--1K7Mo:after{opacity:.7}.style-module--
powder--BBZ_b.style-module--close--1K7Mo:after,.style-module--powder--BBZ_b.style-module--close--
1K7Mo:after{background-color:#0074a2}.style-module--pagination--2YHER ul{list-
style:none;margin:0;padding:0;text-align:center}@media screen and (max-width:767px){.style-module--pagination-
-2YHER ul{display:none}.style-module--pagination--2YHER ul li{display:inline-block;border-
radius:50%;color:#829494;margin:0 5px 5px}.style-module--pagination--2YHER ul li.style-module--dots--
3mYwl{vertical-align:bottom}.style-module--pagination--2YHER ul
li>{*display:block;width:42px;height:42px;font-size:14px;border-radius:50%;text-align:center;border:1px solid
#829494;line-height:2.9;color:#fff}.style-module--pagination--2YHER ul li a{color:#829494;transition:none}.style-
module--pagination--2YHER ul li.style-module--selected--1eCAQ>*,.style-module--pagination--2YHER ul li
a:after{background:#0074a2;border-color:#0074a2;color:#fff;text-decoration:none}.style-module--pagination--
2YHER ul li.style-module--nextPrev--1p0Y7{vertical-align:middle}.style-module--pagination--2YHER ul li.style-
module--nextPrev--1p0Y7>{*font-size:35px;line-height:1;border:0;color:#0074a2;width:auto;height:auto}.style-
module--pagination--2YHER ul li.style-module--nextPrev--1p0Y7>:after{background:none;color:#0074a2}.style-
module--pagination--2YHER .style-module--select--3RbV5{display:none;width:150px;margin:0 auto}@media
screen and (max-width:767px){.style-module--pagination--2YHER .style-module--select--
3RbV5{display:block}}.style-module--searchResultsHeader--1mw-i{display:-ms-flexbox;display:flex;-ms-flex-
align:center;align-items:center;margin-bottom:50px}.style-module--searchResultsHeader--1mw-i
h4{color:#000;font-size:28px;font-weight:500}@media screen and (max-width:767px){.style-module--
searchResultsHeader--1mw-i h4{font-size:21px}}.style-module--searchResultsHeader--1mw-i.style-module--clear-
-24W_M{background:#c4c4c4;border-radius:50%;color:#fff;cursor:pointer;width:20px;height:20px;margin-
left:5px;display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;-ms-flex-pack:center;justify-
content:center;font-size:18px}.style-module--searchSimpleFormOverlay--
wdrp{opacity:0;position:fixed;top:50%;left:50%;z-index:105;max-width:720px;width:100%;-ms-
transform:translate(-50%,-50%);transform:translate(-50%,-50%);transition:all .3s ease-in-out;pointer-
events:none}.style-module--searchSimpleFormOverlay--wdrp input{width:100%;padding:20px;border:0;border-
radius:8px;outline:none;font-size:18px;color:rgba(0,0,0,.85)}.style-module--searchSimpleFormOverlay--
wdrp.style-module--active--1zCL5{opacity:1;pointer-events:all}.style-module--titleEyebrow--
1cR4_{color:#173361;font-size:40px;font-weight:500;margin:0 auto 100px;max-width:760px;width:80%;padding-
top:50px;padding-bottom:0;position:relative;text-align:center}@media screen and (max-width:767px){.style-
module--titleEyebrow--1cR4_{font-size:24px;padding-top:30px;margin-bottom:30px}}.style-module--
titleEyebrow--
1cR4_:before{content:"";width:40px;height:4px;background:#38ccd;border:0;position:absolute;top:0;left:50%;-
ms-transform:translateX(-50%);transform:translateX(-50%);border-radius:10px}.style-module--purple--
2xL6D:before{background:#551d9d}.style-module--green--140Xz:before{background:#159e86}.style-module--

```


blue--3wFL2:before{background:#0dacc}.style-module--orange--19EsT:before{background:#e37d62}.style-module--grey--3eDVD:before{background:#58788c}.style-module--sectionTitle--2jZI_{text-align:center;max-width:960px;width:90%;margin:0 auto}.style-module--sectionTitle--2jZI_.style-module--hasSummary--1no4l{margin-bottom:50px}@media screen and (max-width:767px){.style-module--sectionTitle--2jZI_.style-module--hasSummary--1no4l{margin-bottom:30px}}.style-module--sectionTitle--2jZI_:not(.style-module--hasSummary--1no4l){margin-bottom:100px}@media screen and (max-width:767px){.style-module--sectionTitle--2jZI_:not(.style-module--hasSummary--1no4l){margin-bottom:50px}}.style-module--sectionTitle--2jZI_.style-module--title--3Euzj{margin-bottom:0}@media screen and (max-width:767px){.style-module--sectionTitle--2jZI_.style-module--title--3Euzj{line-height:1}}.style-module--browless--CHF2O{text-align:center;margin-bottom:50px}.style-module--browless--CHF2O h3{color:#000;font-size:28px;font-weight:500;padding:0}.style-module--summary--2q5sK{width:830px;max-width:100%;margin:50px auto 100px;font-size:16px;font-weight:300;line-height:1.56;text-align:center}@media screen and (max-width:767px){.style-module--summary--2q5sK{margin-top:30px;margin-bottom:50px}}.style-module--summary--2q5sK.style-module--denim--1DoX9{font-weight:500;font-size:20px;color:#173361}.style-module--section--2XsCV{background-color:transparent;border-radius:8px;margin:0 25px;background:hsla(0,0%,96.1%,.85);padding:50px 0}@media screen and (max-width:767px){.style-module--section--2XsCV{border-radius:0;margin-left:0;margin-right:0}}.style-module--section--2XsCV.style-module--robinsEgg--LFgus{background:#b4e1e4}.style-module--section--2XsCV.style-module--ice--30OgX{background:#e6f5fb}.style-module--section--2XsCV.style-module--noBg--180h6{background:none}.style-module--section--2XsCV.style-module--noBg--180h6:first-child,.style-module--section--2XsCV.style-module--noBg--180h6:first-of-type{padding-top:0}.style-module--section--2XsCV.style-module--alignCenter--1L8_q{text-align:center}.style-module--section--2XsCV.style-module--hasOneLiner--1p7m-.style-module--title--wHTN1{margin-bottom:50px}@media screen and (min-width:768px){.style-module--section--2XsCV.style-module--spacing_medium--D-7ZH{padding:50px 0}}@media screen and (min-width:768px){.style-module--section--2XsCV.style-module--spacing_large--cQa4H{padding:100px 0}}.style-module--oneLiner--1FdcA{margin-bottom:50px;text-align:center}.style-module--contentContainer--1-LvB{margin:0 auto;max-width:1170px;padding-left:15px;padding-right:15px;width:auto}@media screen and (min-width:768px) and (max-width:991px){.style-module--contentContainer--1-LvB.style-module--noBg--180h6{padding-left:0;padding-right:0}}@media screen and (min-width:992px) and (max-width:1199px){.style-module--contentContainer--1-LvB.style-module--noBg--180h6{padding-left:0;padding-right:0}}.style-module--paragraph--2KB8F{width:35%;margin:0 auto;line-height:1.63;color:#000;font-size:18px;font-weight:300}@media screen and (max-width:767px){.style-module--paragraph--2KB8F{width:90%}}.style-module--ctaContainer--pFbUg{margin:100px auto 0;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}@media screen and (max-width:991px){.style-module--ctaContainer--pFbUg{margin:50px auto 0}}@media screen and (max-width:575px){.style-module--ctaContainer--pFbUg{-ms-flex-direction:column;flex-direction:column;-ms-flex-align:center;align-items:center}}.style-module--ctaContainer--pFbUg>:not(:first-child){margin-left:20px}@media screen and (max-width:575px){.style-module--ctaContainer--pFbUg>:not(:first-child){margin-top:20px;margin-left:0}}.style-module--icon--22aj0{width:40px;max-width:none}.style-module--card--13DnA{color:#000}.style-module--card--13DnA p{margin:0 0 25px}.style-module--card--13DnA p img{float:left;margin-right:15px}.style-module--hero--1e4LA .style-module--imageContainer--1UGDo{-ms-flex-item-align:start;align-self:flex-start}.style-module--hero--1e4LA .style-module--imageContainer--1UGDo img{max-width:370px}.style-module--hero--1e4LA .style-module--imageContainer--1UGDo svg{width:370px}.style-module--section--37qRW .style-module--imageContainer--171BX{width:270px}.style-module--section--37qRW .style-module--card--2bKAt{border-width:7px;margin-bottom:0}.style-module--section--37qRW .style-module--dot--3tfYP{display:block}.style-module--button--17RR7+.style-module--button--17RR7{margin-left:10px}@media screen and (max-width:575px){.style-module--button--17RR7+.style-module--button--17RR7{margin-left:0;margin-top:10px}}.style-module--sectionContent--1W6av{padding:25px}.style-module--sectionContent--1W6av h1,.style-module--sectionContent--1W6av h2,.style-module--sectionContent--1W6av h3{color:#173361;margin:25px 0 15px;padding:0}.style-module--sectionContent--

1W6av h3{color:#173361;font-size:18px;font-weight:700;line-height:23px}@media screen and (max-width:767px){.style-module--sectionContent--1W6av{margin:0 15px;text-align:center}}.style-module--sectionContent--1W6av.style-module--bg_white--13ZJH{background-color:#fff}.style-module--sectionContent--1W6av .style-module--contentContainer--3Qcyf{-ms-flex:1 1;flex:1 1}.style-module--sectionContent--1W6av .style-module--imageContainer--291eb{max-width:470px}@media screen and (max-width:767px){.style-module--sectionContent--1W6av .style-module--imageContainer--291eb{margin:0 auto}}@media screen and (min-width:768px){.style-module--left--1sbqu .style-module--grid--2J6vK .style-module--contentContainer--3Qcyf,.style-module--right--3LEvb .style-module--grid--2J6vK .style-module--imageContainer--291eb{margin-left:25px!important}}@media screen and (max-width:767px){.style-module--left--1sbqu .style-module--grid--2J6vK .style-module--contentContainer--3Qcyf,.style-module--right--3LEvb .style-module--grid--2J6vK .style-module--imageContainer--291eb{margin-top:25px!important}}.style-module--left--1sbqu .style-module--grid--2J6vK .style-module--imageContainer--291eb,.style-module--right--3LEvb .style-module--grid--2J6vK .style-module--imageContainer--291eb{margin:0}@media screen and (max-width:767px){.style-module--left--1sbqu .style-module--grid--2J6vK .style-module--imageContainer--291eb,.style-module--right--3LEvb .style-module--grid--2J6vK .style-module--imageContainer--291eb{margin:0 auto}}@media screen and (min-width:768px){.style-module--noImage--27tFT h2{margin-bottom:50px}}.style-module--noImage--27tFT ul{list-style-position:inside}.style-module--noImage--27tFT .style-module--contentContainer--3Qcyf{margin:0;text-align:center}.style-module--noImage--27tFT .style-module--sectionContent--1W6av{padding:0}.style-module--ctaContainer--3vcVr{margin-top:50px}@media screen and (max-width:767px){.style-module--twoColumnTexts--3GVuA ul{list-style-position:inside;padding:0;margin:0}}.style-module--twoColumnTexts--3GVuA .style-module--imageContainer--291eb{margin:0 auto 25px;max-width:none;text-align:center}.style-module--twoColumnTexts--3GVuA .style-module--imageContainer--291eb img{max-height:300px}.style-module--twoColumnTexts--3GVuA .style-module--ctaContainer--3vcVr{text-align:center}@media screen and (min-width:768px){.style-module--twoColumnTexts--3GVuA .style-module--grid--2J6vK>div:last-child{padding-left:15px}}@media screen and (max-width:767px){.style-module--twoColumnTexts--3GVuA .style-module--grid--2J6vK>div:last-child{padding-top:15px}}.style-module--section--2OZcS{padding-top:50px!important;padding-bottom:50px}.style-module--section--2OZcS.style-module--sm--2e0EF{padding-top:20px!important;padding-bottom:20px}.style-module--sectionImage--2VxLy{-ms-flex-align:center;align-items:center}.style-module--sectionImage--2VxLy .style-module--imageContainer--1ryhq{display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;-ms-flex-align:center;align-items:center;text-align:center}@media screen and (max-width:991px){.style-module--sectionImage--2VxLy .style-module--imageContainer--1ryhq{margin:20px 0}}@media screen and (max-width:991px){.style-module--sectionImage--2VxLy .style-module--imageContainer--1ryhq:first-of-type{margin-top:0}}@media screen and (max-width:991px){.style-module--sectionImage--2VxLy .style-module--imageContainer--1ryhq:last-of-type{margin-bottom:0}}.style-module--sectionImage--2VxLy .style-module--imageContainer--1ryhq img{max-width:100%;-o-object-fit:contain;object-fit:contain}.style-module--sectionImage--2VxLy .style-module--imageContainer--1ryhq .style-module--title--3K_gD{color:#000;font-size:14px;width:85%;margin-top:15px}.style-module--sectionImage--2VxLy .style-module--imageContainer--1ryhq .style-module--title--3K_gD a{color:inherit;text-decoration:underline}.style-module--toc--3Z34A>div:first-child h3{margin-top:0}.style-module--toc--3Z34A ul{list-style:none;margin:0;padding:0}.style-module--toc--3Z34A ul li{margin-bottom:10px}.style-module--toc--3Z34A ul li a{color:#173361;font-size:21px;font-weight:500;line-height:27px}.style-module--faqContent--3OYeA>div:first-child h3{margin-top:0}.style-module--faqContent--3OYeA .style-module--card--2yIN3{border:2px solid hsla(0,0%,96.1%,.85);border-radius:8px;margin-bottom:10px;padding:25px}.style-module--faqContent--3OYeA .style-module--card--2yIN3 h4{color:#173361;font-size:18px;font-weight:700;line-height:23px}.style-module--faqContent--3OYeA .style-module--card--2yIN3 div{color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}.style-module--faq--2N00h{text-align:left}.style-module--faq--2N00h hr{margin:90px 0;border-top:7px solid hsla(0,0%,96.1%,.85)}.style-module--faq--2N00h h3{color:#000;font-size:28px;font-weight:500;margin:50px 0 30px}@media screen and (max-width:767px){.style-module--faq--2N00h h3{font-size:21px}}.style-module--featuredPartnersSection--

1dyfM{margin-bottom:0}@media screen and (min-width:576px) and (max-width:767px){.style-module--
featuredPartnersSection--1dyfM .style-module--grid--1yELm{-ms-flex-direction:row;flex-direction:row}}.style-
module--featuredPartnersSection--1dyfM .style-module--grid--1yELm .style-module--partner--3Uw11{display:-ms-
flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;-ms-flex-align:center;align-items:center;-ms-
flex-pack:start;justify-content:flex-start;padding:0 40px 60px}@media screen and (min-width:576px) and (max-
width:767px){.style-module--featuredPartnersSection--1dyfM .style-module--grid--1yELm .style-module--partner--
3Uw11{margin:0;width:50%}}.style-module--featuredPartnersSection--1dyfM .style-module--grid--1yELm .style-
module--partner--3Uw11 .style-module--imageContainer--3EjXP{max-width:200px;height:100px;display:-ms-
flexbox;display:flex;-ms-flex-align:center;align-items:center}.style-module--featuredPartnersSection--1dyfM .style-
module--grid--1yELm .style-module--partner--3Uw11 .style-module--imageContainer--3EjXP
img{width:100%}.style-module--featuredPartnersSection--1dyfM .style-module--grid--1yELm .style-module--
partner--3Uw11 a{margin-top:20px}@media screen and (min-width:576px) and (max-width:767px){.style-module--
featuredPartnersSection--1dyfM .style-module--grid--1yELm .style-module--partner--3Uw11 a{margin:0}}.style-
module--header--31rfm{position:fixed;top:0;left:0;background:#fff;width:100%;z-
index:20;height:85px;padding:18px 0;box-shadow:0 4px 10px #829494;transition:box-shadow .3s ease-in-
out}@media print{.style-module--header--31rfm{position:relative}}.style-module--header--31rfm
ul{margin:0;padding:0;list-style:none}.style-module--header--31rfm.style-module--topPage--85hNf{box-
shadow:none}@media screen and (min-width:768px) and (max-width:991px){.style-module--header--31rfm>.style-
module--container--3N3ii{width:100%;padding-left:25px;padding-right:25px}}.style-module--header--31rfm .style-
module--nav--1mswf{float:right;display:block}@media screen and (max-width:767px){.style-module--header--
31rfm .style-module--nav--1mswf{display:none}}@media screen and (max-width:920px){.style-module--header--
31rfm .style-module--nav--1mswf{display:none}}.style-module--header--31rfm .style-module--nav--
1mswf>ul>li{display:inline-block;margin:0 15px;position:relative}@media screen and (min-width:1200px){.style-
module--header--31rfm .style-module--nav--1mswf>ul>li{margin:0 20px}}.style-module--header--31rfm .style-
module--nav--1mswf>ul>li>a{display:block;font-size:14px;font-weight:400;letter-spacing:.7px;text-
transform:uppercase;text-decoration:none;-ms-transform:none!important;transform:none!important}.style-module--
header--31rfm .style-module--nav--1mswf>ul>li:not(.style-module--download--XKthR) a{color:#173361}.style-
module--header--31rfm .style-module--nav--1mswf>ul>li:not(.style-module--download--
XKthR)>ul{display:block;background:#fff;color:#15202b;position:absolute;top:58px;left:-60px;padding:10px 10px
10px 0;border-radius:7px;transition:all .3s ease-in-out;opacity:0;visibility:hidden;border:1px solid #e0e0e0;box-
shadow:none;z-index:10}.style-module--header--31rfm .style-module--nav--1mswf>ul>li:not(.style-module--
download--XKthR)>ul a{color:#173361;font-size:16px;font-weight:300;width:100%;display:block;white-
space:nowrap;overflow:hidden;text-overflow:ellipsis;padding:10px 0;margin:0 20px;line-height:20px}.style-
module--header--31rfm .style-module--nav--1mswf>ul>li:not(.style-module--download--XKthR):hover>a{border-
bottom:5px solid #b78142;font-weight:400;color:#111820}.style-module--header--31rfm .style-module--nav--
1mswf>ul>li:not(.style-module--download--XKthR):hover>ul{opacity:1;visibility:visible}.style-module--header--
31rfm .style-module--nav--1mswf .style-module--indent--I5Hp9{margin-left:20px}.style-module--header--31rfm
.style-module--logo--1fS2J{float:left;position:absolute;top:50%;-ms-transform:translateY(-
50%);transform:translateY(-50%);z-index:99;margin-right:20px;background:#fff}.style-module--header--31rfm
.style-module--logo--1fS2J svg{width:180px}@media screen and (min-width:1200px){.style-module--header--
31rfm .style-module--logo--1fS2J svg{width:250px;max-width:none}}.style-module--header--31rfm .style-module-
-navMobile--1PXXZ{display:none}.style-module--header--31rfm .style-module--navMobile--1PXXZ
nav{opacity:0;visibility:hidden;background:#111820;position:fixed;padding:1em 0 80px;left:0;width:100%;border-
top:1px solid #4c4c4d;height:90%;transition:all .5s ease;overflow:auto;top:80px}.style-module--header--31rfm
.style-module--navMobile--1PXXZ nav>ul{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-
wrap:wrap}.style-module--header--31rfm .style-module--navMobile--1PXXZ nav>ul>li{margin-
bottom:20px}.style-module--header--31rfm .style-module--navMobile--1PXXZ nav>ul>li>a{color:#fff;text-
transform:uppercase;padding:5px 20px;display:block}.style-module--header--31rfm .style-module--navMobile--

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1PXXZ nav>ul>li ul li a{ color:#a7a7a8;text-transform:none;padding:5px 20px;display:block}@media screen and
(max-width:920px){.style-module--header--31rfm .style-module--navMobile--1PXXZ{display:block}.style-
module--header--31rfm .style-module--navMobile--1PXXZ.style-module--open--2mcoG
nav{opacity:1;visibility:visible}.style-module--header--31rfm .style-module--navMobile--1PXXZ.style-module--
open--2mcoG>button .icon-bar{display:none}.style-module--header--31rfm .style-module--navMobile--
1PXXZ.style-module--open--2mcoG>button:after{content:"\D7";color:#111820;cursor:pointer;font-size:24px;line-
height:0;margin-left:5px;position:relative;top:0}.style-module--header--31rfm .style-module--navMobile--
1PXXZ>button{margin:0;display:block;padding:10px}.style-module--header--31rfm .style-module--navMobile--
1PXXZ .icon-bar{background-color:#111820}.style-module--searchContainer--M0vVi{background:0
0;position:relative;float:right;margin-top:5px}@media screen and (max-width:920px){.style-module--
searchContainer--M0vVi{margin-top:3px}}@media screen and (min-width:992px){.style-module--
searchContainer--M0vVi{margin-right:20px}}.style-module--searchContainer--M0vVi>button{background-
color:transparent;border:0;outline:0;float:left;position:relative;z-index:2;text-align:left;text-indent:-
9999px;display:block;height:18px;width:18px;background-image:url(https://cdn.confluent.io/wp-
content/themes/confluent/assets/images/search-icon.png);background-repeat:no-repeat;margin:9px;transition:width
.3s,left .1s,bottom .1s;padding:0;background-size:15px}.style-module--searchContainer--
M0vVi>div{float:left;overflow:hidden;position:relative;z-index:1;width:1px;transition:width .3s,left .1s,bottom
.1s}.style-module--searchContainer--M0vVi>div input{display:inline-block;font-size:14px;font-weight:400;line-
height:16px;float:left;height:32px;padding:0 20px 0 40px;color:#fff;border:0;border-radius:2px;background:0
0;width:200px;outline:0}.style-module--searchContainer--M0vVi.style-module--active--3q6zJ>button{z-
index:0;width:0;visibility:hidden}.style-module--searchContainer--M0vVi.style-module--active--
3q6zJ>div{width:220px}.style-module--searchContainer--M0vVi.style-module--active--3q6zJ>div
input{border:1px solid #333;color:#333}.style-module--languageContainer--
GbiNb{display:none;position:relative;float:right}.style-module--languageContainer--GbiNb ul{display:-ms-
flexbox;display:flex;list-style:none;max-width:40px;padding-left:0;border-
radius:8px;height:42px;overflow:hidden}.style-module--languageContainer--GbiNb ul:before{background-
color:#000;content:" ";display:block}.style-module--languageContainer--GbiNb ul li{-ms-flex-align:center;align-
items:center;display:-ms-flexbox;display:flex;margin:0;padding:6px 0}.style-module--languageContainer--GbiNb ul
li:before{background-size:cover;border:1px solid #979797;border-radius:20px;content:"";margin-left:0;margin-
right:10px;height:30px;width:30px}.style-module--languageContainer--GbiNb ul li a{display:none;color:#000;font-
size:12px}.style-module--languageContainer--GbiNb ul li.lang-en{-ms-flex-order:2;order:2;margin:0}.style-
module--languageContainer--GbiNb ul li.lang-en:before{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/e10fc60db43311c1d7521b9005ba5d5257054e53/language
-english.png")}.style-module--languageContainer--GbiNb ul li.lang-fr{-ms-flex-order:3;order:3;margin:0}.style-
module--languageContainer--GbiNb ul li.lang-fr:before{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/2357e84a1b7e54596e3d18f6ec5984174f7de42a/language-
french.png")}.style-module--languageContainer--GbiNb ul li.lang-de{-ms-flex-order:4;order:4;margin:0}.style-
module--languageContainer--GbiNb ul li.lang-de:before{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/1604bda91e6e4972abb4b7030c72d17b49747417/language
-german.png")}.style-module--languageContainer--GbiNb ul li.lang-ja{-ms-flex-order:5;order:5;margin:0}.style-
module--languageContainer--GbiNb ul li.lang-ja:before{background-
image:url("https://d33wubrfki0l68.cloudfront.net/images/b722710de108f10b5ecacce7634b1db48200fd8e/language-
japanese.png")}.style-module--languageContainer--GbiNb.style-module--open--2mcoG ul{height:100%;-ms-flex-
direction:column;flex-direction:column;max-width:130px;padding:0 15px}.style-module--languageContainer--
GbiNb.style-module--open--2mcoG ul li a{display:block}.style-module--languageContainer--GbiNb.style-module--
open--2mcoG .style-module--dropdown--39_e2{border:1px solid #979797;border-
radius:8px;background:#fff}.style-module--languageContainer--GbiNb.style-module--open--2mcoG .style-module--
toggle--3ljCl{-ms-transform:rotate(270deg);transform:rotate(270deg)}.style-module--languageContainer--GbiNb

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.style-module--toggle--3lJCl{background-size:cover;cursor:pointer;display:inline-
block;height:16px;position:absolute;right:-15px;top:14px;width:10px;background-
image:url(https://cdn.confluent.io/wp-content/themes/confluent/assets/images/link-arrow-black.png);ms-
transform:rotate(90deg);transform:rotate(90deg)}@media screen and (min-width:992px){.style-module--
languageContainer--GbiNb{display:block}}.smartling-de .style-module--languageContainer--GbiNb .lang-
de,.smartling-fr .style-module--languageContainer--GbiNb .lang-fr,.smartling-ja .style-module--languageContainer--
GbiNb .lang-ja{-ms-flex-order:1;order:1}.style-module--logo--35JXe g{fill:#173361}.style-module--purple--Ofct3
.bg-fill{fill:#eee8f5}.style-module--purple--Ofct3 .line-fill{fill:#551d9d}.style-module--purple--Ofct3 .line-
stroke{stroke:#551d9d}.style-module--gdpr--2VS6b{opacity:0;transition:opacity .5s ease-in-out}.style-module--
gdpr--2VS6b.style-module--show--DiYdJ{opacity:1}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--
2QBT6{position:fixed;bottom:0;left:0;background:#173361;width:100%;color:#fff;z-index:11}@media screen and
(max-width:640px){.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--button--
3srjX{margin:0}}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--
gdprWrapper--1rFOT{padding:20px 40px;display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-
content:space-between;-ms-flex-align:center;align-items:center;box-sizing:border-box}.style-module--gdpr--
2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT p{margin:0;font-
size:14px;font-weight:400}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--
gdprWrapper--1rFOT .style-module--gdprContent--3KsKx{-ms-flex:1 1;padding-right:200px}.style-
module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--
gdprContent--3KsKx a,.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--
gdprWrapper--1rFOT .style-module--gdprContent--3KsKx p{color:#fff}.style-module--gdpr--2VS6b.style-module--
gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprContent--3KsKx a{text-
decoration:underline}@media screen and (max-width:1024px){.style-module--gdpr--2VS6b.style-module--
gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprContent--3KsKx{padding-
right:0;padding-bottom:20px}}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--
gdprWrapper--1rFOT .style-module--gdprRight--1UBvi{display:-ms-flexbox;display:flex;-ms-flex-
align:center;align-items:center}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--
gdprWrapper--1rFOT .style-module--gdprRight--1UBvi .style-module--button--3srjX:last-child{margin-
left:10px}@media screen and (max-width:640px){.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--
2QBT6 .style-module--gdprWrapper--1rFOT .style-module--gdprRight--1UBvi .style-module--button--3srjX:last-
child{margin-left:0;margin-top:10px}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-
module--gdprWrapper--1rFOT .style-module--gdprRight--1UBvi .style-module--button--3srjX:last-
child:before{left:-7px}}.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--
gdprWrapper--1rFOT .style-module--gdprRight--1UBvi .style-module--button--3srjX{min-width:100px}@media
screen and (max-width:991px){.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--
gdprWrapper--1rFOT .style-module--gdprRight--1UBvi .style-module--button--3srjX{min-width:205px}}.style-
module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--1rFOT .style-module--
gdprRight--1UBvi button:last-of-type{margin-right:0;margin-left:20px}@media screen and (max-
width:640px){.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--
1rFOT .style-module--gdprRight--1UBvi button:last-of-type{margin:0}}@media screen and (max-
width:640px){.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--gdprWrapper--
1rFOT .style-module--gdprRight--1UBvi{-ms-flex-direction:column;flex-direction:column}}@media screen and
(max-width:1024px){.style-module--gdpr--2VS6b.style-module--gdprPrivacyBar--2QBT6 .style-module--
gdprWrapper--1rFOT{-ms-flex-direction:column;flex-direction:column;-ms-flex-align:center;align-
items:center}}.style-module--topBanner--
qjZvc{position:fixed;top:0;background:#070a1f;color:#fff;height:40px;width:100%;z-index:20;font-size:11px;font-
weight:500;letter-spacing:1.17px;overflow:hidden;text-overflow:ellipsis}.style-module--topBanner--qjZvc
.container div{line-height:4}.style-module--topBanner--qjZvc .container a{color:#fff;cursor:pointer;text-

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decoration:none}.style-module--topBanner--qjZvc .style-module--text--n3hed{position:absolute;left:0;width:100%;text-align:center;z-index:1}.style-module--topBanner--qjZvc .style-module--phone--3dD5b{text-align:right;position:relative;z-index:2;float:right}.style-module--topBanner--qjZvc a.style-module--ogLink--1xHFT{color:#4597cb;margin-left:10px;transition:all .3s ease}.style-module--topBanner--qjZvc a.style-module--ogLink--1xHFT:hover{opacity:.6}.style-module--topBanner--qjZvc .style-module--longText--yBz3N{display:none}@media screen and (min-width:768px){.style-module--topBanner--qjZvc .style-module--longText--yBz3N{display:inline}}@media screen and (max-width:600px){.style-module--topBanner--qjZvc .style-module--phone--3dD5b{display:none}}.style-module--siteFooter--1SYvh{border-top:1px solid #e9e9ed}.style-module--siteFooter--1SYvh footer{background-color:#fff;padding:40px 0}.style-module--footerRow--2E2Yb{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}@media screen and (min-width:992px){.style-module--footerRow--2E2Yb{-ms-flex-pack:justify;justify-content:space-between}}@media screen and (min-width:1200px){.style-module--footerRow--2E2Yb{max-width:100%}}.style-module--footerRow--2E2Yb div:not(:last-of-type){display:none}@media screen and (min-width:992px){.style-module--footerRow--2E2Yb div:not(:last-of-type){display:-ms-flexbox;display:flex}}.style-module--menu--19Yv4{list-style:none;padding:0;color:#fff;font-size:16px;margin:0 0 20px}.style-module--menu--19Yv4 li{line-height:20px;margin:2px 0 12px}.style-module--menu--19Yv4 li:first-of-type{margin-bottom:25px}.style-module--menu--19Yv4 li:first-of-type a{color:#404040;font-weight:400;font-size:16px}.style-module--menu--19Yv4 li:first-of-type a:hover{transition:none;color:#404040}.style-module--menu--19Yv4 li a{font-weight:300;color:#5d5d5d;text-decoration:none;padding:2px 0;font-size:14px;line-height:18px;display:block}.style-module--menu--19Yv4 li a:hover{color:#4597cb;transition:all .4s ease-in-out}.style-module--socialNav--12Fjk ul{list-style:none;margin:0;padding:0;font-size:16px}.style-module--socialNav--12Fjk ul li{margin:0 5px}.style-module--socialIcon--PjnYm{width:20px;height:20px;fill:#a7a7a8}.style-module--socialIcon--PjnYm.style-module--twitterIcon--3zPrM:hover{fill:#55acee}.style-module--socialIcon--PjnYm.style-module--linkedinIcon--1E52K:hover{fill:#0e76a8}.style-module--socialIcon--PjnYm.style-module--githubIcon--2CHYh:hover{fill:#333}.style-module--socialIcon--PjnYm.style-module--slideshareIcon--3uHWi:hover{fill:#f7941e}.style-module--socialIcon--PjnYm.style-module--youtubeIcon--21oE:hover{fill:red}.style-module--socialIcon--PjnYm.style-module--instagramIcon--3WweF:hover{fill:#c1558b}.style-module--socialIcon--PjnYm.style-module--facebookIcon--29Pqt:hover{fill:#3b5998}.style-module--socialMediaListContainer--m3scG{display:-ms-flexbox;display:flex}@media screen and (max-width:991px){.style-module--socialMediaListContainer--m3scG{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}}.style-module--footerBottom--Nm5lk{padding-top:40px}.style-module--copyright--1gcwO,.wp .style-module--copyright--1gcwO{max-width:100%;text-align:center}@media screen and (min-width:992px){.style-module--copyright--1gcwO,.wp .style-module--copyright--1gcwO{text-align:left}}.style-module--copyright--1gcwO p,.wp .style-module--copyright--1gcwO p{display:inline;font-size:11px;line-height:1.2;color:#a7a7a8;margin:0;padding:2px 0}.style-module--copyright--1gcwO p:first-of-type,.wp .style-module--copyright--1gcwO p:first-of-type{line-height:1.5;color:#a7a7a8;padding:0}.style-module--copyright--1gcwO p a,.wp .style-module--copyright--1gcwO p a{color:#535353;border:0;padding:0}.style-module--copyright--1gcwO .style-module--onetrustLink--F7UX8,.wp .style-module--copyright--1gcwO .style-module--onetrustLink--F7UX8{font-size:11px!important;color:#535353!important;border:0!important;padding:0!important}.style-module--copyright--1gcwO .style-module--onetrustLink--F7UX8:hover,.wp .style-module--copyright--1gcwO .style-module--onetrustLink--F7UX8:hover{text-decoration:underline;background-color:#fff!important}.wp .error404_section{background-color:#2c3437}.wp .page-title{color:#fff;font-weight:400;margin-top:15px;margin-bottom:15px}.wp .error404-body{padding-top:30px;padding-bottom:80px}.wp .page-cloud-customer-dpa .dpa p,.wp .page-cloud-customer-dpa .dpa ul{color:#4a4a4a;font-size:16px;font-weight:300;list-style:none;line-height:26px;margin-bottom:18px}.wp .page-cloud-customer-dpa .dpa li{margin-bottom:9px}.wp .page-cloud-customer-dpa .dpa ul ul{margin-top:12px}.wp .page-cloud-customer-dpa .dpa .spacer{height:1px;margin-bottom:24px}.wp .page-cloud-customer-dpa .dpa h3,.wp .page-cloud-customer-dpa .dpa h4{color:#4a4a4a;margin-bottom:18px;text-align:center}.wp .page-cloud-customer-dpa .dpa h3{margin-bottom:30px!important}.confluent-

privacy-statement-module--container--3nAU1{font-weight:300;line-height:1.78;color:#4a4a4a;font-size:18px}.confluent-privacy-statement-module--container--3nAU1 h2{font-size:30px;text-align:center}.confluent-privacy-statement-module--container--3nAU1 h3{text-align:left;font-size:20px;text-transform:uppercase}.confluent-privacy-statement-module--container--3nAU1 .confluent-privacy-statement-module--disc--2bGkH{list-style-type:disc}.wp .page-supplemental-services-terms ol,wp .page-supplemental-services-terms ul{font-size:18px;font-weight:300;line-height:1.78;color:#4a4a4a}.wp .page-supplemental-services-terms ul{list-style-type:circle}.wp .page-supplemental-services-terms ol{list-style-type:upper-alpha}.wp .page-supplemental-services-terms ol li>ol{list-style-type:decimal}.wp .page-template-careers-rebrand section.careers_job_listings_section{text-align:left}.wp .page-template-careers-rebrand section.careers_job_listings_section h3{margin-top:20px}.wp .page-template-careers-rebrand section.careers_job_listings_section .jobs{margin-bottom:20px}.wp .page-template-careers-rebrand section.careers_job_listings_section .job{clear:both;display:block;overflow:hidden;margin-bottom:5px}.wp .page-template-careers-rebrand section.careers_job_listings_section .job .left{float:left}.wp .page-template-careers-rebrand section.careers_job_listings_section .job .right{float:right}.wp .page-template-careers-rebrand section.careers_job_listings_section .job .right a{min-width:100px}.wp .page-template-careers-rebrand .carousel-item{display:-ms-flexbox!important;display:flex!important;-ms-flex-align:center;align-items:center;-ms-flex-pack:center;justify-content:center;text-align:center}.wp .page-template-careers-rebrand .h3-border{text-align:center;font-size:14px!important;font-weight:500;line-height:16px;text-transform:uppercase}.wp .page-template-careers-rebrand .h3-border:after{content:"";height:2px;width:40px;background:#257bd7;display:block;margin:5px auto;position:relative}@media screen and (max-width:1000px){.wp .page-template-careers-rebrand .h3-border:after{margin:5px auto 0}}.wp .page-template-careers-rebrand .btn{min-width:175px!important;border:1px solid #173361;background:#fff;display:block;color:#173361;padding-top:12px;padding-bottom:14px;border-radius:8px}.wp .page-template-careers-rebrand .btn:hover{background:#173361;color:#fff}.wp .page-template-careers-rebrand .gradient-bluegreen{background-image:linear-gradient(270deg,#31bec2,#257bd7)}.wp .page-template-careers-rebrand .container{max-width:1272px}.wp .page-template-careers-rebrand .hero_overview{background-size:cover;background-position:bottom;height:100vh}@media screen and (max-width:991px){.wp .page-template-careers-rebrand .hero_overview{background-position:inherit}}.wp .page-template-careers-rebrand .hero_overview .hero-content{text-align:center;left:50%;max-width:650px;position:absolute;-ms-transform:translate(-50%,-50%);transform:translate(-50%,-50%);top:50%;width:100%}.wp .page-template-careers-rebrand .hero_overview .hero-content h1,.wp .page-template-careers-rebrand .hero_overview .hero-content p{color:#fff}.wp .page-template-careers-rebrand .career__slider{margin:3px 0;overflow:hidden}.wp .page-template-careers-rebrand .career__slider .slick-slider,.wp .page-template-careers-rebrand .career__slider .slick-slider img{height:434px!important}.wp .page-template-careers-rebrand .career__slider .slick-slider .slick-track{display:-ms-flexbox;display:flex}.wp .page-template-careers-rebrand .career__slider .slick-slider .slick-slide{width:800px!important;-ms-flex:0 0 800px;flex:0 0 800px;margin:0 3px}.wp .page-template-careers-rebrand .career__inspiration{padding:100px 0;text-align:center}.wp .page-template-careers-rebrand .career__inspiration .container{max-width:650px}.wp .page-template-careers-rebrand .career__inspiration h2{font-size:48px;line-height:55px}.wp .page-template-careers-rebrand .career__inspiration .btn{margin:0 auto;max-width:175px}.wp .page-template-careers-rebrand .career__banner h3{color:#fff;font-size:24px;font-weight:700;line-height:28px;padding:30px 0}.wp .page-template-careers-rebrand .career__banner h3 a{color:#fff}.wp .page-template-careers-rebrand .career__banner a:hover{text-decoration:underline}.wp .page-template-careers-rebrand .career__banner img{width:60px!important;height:45px}.wp .page-template-careers-rebrand .career__pillars{padding:135px 0 150px}.wp .page-template-careers-rebrand .career__pillars .row{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;-ms-flex-wrap:wrap;flex-wrap:wrap}@media screen and (min-width:992px){.wp .page-template-careers-rebrand .career__pillars .row{-ms-flex-pack:justify;justify-content:space-between}}.wp .page-template-careers-rebrand .career__pillars .career__pillar{margin-bottom:25px;text-align:center;width:48%}@media screen and (min-width:992px){.wp .page-template-careers-rebrand .career__pillars

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.career__pillar{margin-bottom:0;width:18%}.wp .page-template-careers-rebrand .career__pillars img{margin-
bottom:25px;max-height:100px}.wp .page-template-careers-rebrand .career__pillars p{color:#fff;font-
weight:400;margin-bottom:0}.wp .page-template-careers-rebrand .career__pillars
svg{width:100px;height:100px;margin-bottom:20px}.wp .page-template-careers-rebrand .career__pillars svg
g{fill:#fff}.wp .page-template-careers-rebrand .careers_job_listings_section .filter-container{margin:20px
0;display:inline-block;min-width:300px}@media (min-width:768px){.wp .page-template-careers-rebrand
.careers_job_listings_section .filter-container:first-of-type{margin-right:15px}.wp .page-template-careers-rebrand
.careers_job_listings_section .filter-container:last-of-type{margin-left:15px}}.wp .page-template-careers-rebrand
.careers_job_listings_section .filter-container .select{border:1px solid
#ddd;background:#f3f4f8;display:block;color:#444;line-height:1.3;padding:8px 10px 8px 20px;font-size:18px;font-
weight:300;border-radius:4px;max-width:300px;width:100%;cursor:pointer;-moz-appearance:none;-webkit-
appearance:none;appearance:none;margin:0 auto}.wp .page-template-careers-rebrand .careers_job_listings_section
.filter-container .select:hover{border-color:#c4c4c4}.wp .page-template-careers-rebrand
.careers_job_listings_section .jobs-list{background:#fff;box-shadow:0 5px 27px 0 rgba(0,0,0,.05);border-
radius:4px;padding:30px}@media screen and (min-width:992px){.wp .page-template-careers-rebrand
.careers_job_listings_section .jobs-list{padding:60px}}@media (max-width:992px){.wp .page-template-careers-
rebrand .careers_job_listings_section .jobs-list .job{display:-ms-flexbox;display:flex;-ms-flex-
direction:column;flex-direction:column;padding:25px 0;box-shadow:0 4px 5px -6px #222;text-align:center}}.wp
.page-template-careers-rebrand .careers_job_listings_section .job{display:block;margin-bottom:20px;-ms-flex-
wrap:wrap;flex-wrap:wrap;overflow:inherit;text-align:center}.wp .page-template-careers-rebrand
.careers_job_listings_section .job .btn{max-width:175px;margin:0 auto}@media screen and (min-width:992px){.wp
.page-template-careers-rebrand .careers_job_listings_section .job{-ms-flex-align:center;align-items:center;display:-
ms-flexbox;display:flex;margin-bottom:5px;-ms-flex-pack:justify;justify-content:space-between;text-
align:inherit}.wp .page-template-careers-rebrand .careers_job_listings_section .job .btn{margin:0}}.wp .page-
template-careers-rebrand .careers_job_listings_section .job .left,.wp .page-template-careers-rebrand
.careers_job_listings_section .job .right{float:none}.wp .page-template-careers-rebrand .careers_job_listings_section
h2{text-align:center}@media screen and (min-width:992px){.wp .page-template-careers-rebrand
.careers_job_listings_section h2{font-size:48px;line-height:55px}}.wp .page-template-careers-rebrand
.careers_job_listings_section h3,.wp .page-template-careers-rebrand .careers_job_listings_section h4{font-
size:18px;line-height:24px}.wp .page-template-careers-rebrand .careers_job_listings_section
.commitment{background:#173361;border-radius:8px;color:#fff;font-size:12px;font-weight:600;line-
height:14px;margin-right:15px;padding:5px 10px;text-transform:uppercase;vertical-align:middle}@media screen
and (max-width:991px){.wp .page-template-careers-rebrand .careers_job_listings_section
.commitment{display:block}}.wp .page-template-careers-rebrand .careers_job_listings_section span{font-
size:18px;font-weight:300;line-height:21px}.wp .page-template-careers-rebrand .careers_job_listings_section
span.label{padding-top:8px;text-align:left}.wp .page-template-careers-rebrand .careers_job_listings_section .filter-
wrapper,.wp .page-template-careers-rebrand .careers_job_listings_section .no-jobs{text-align:center}.wp .page-
template-careers-rebrand .careers_job_listings_section .no-jobs{font-size:18px}.wp .page-template-careers-rebrand
.careers_job_listings_section .filter-wrapper{margin:50px 0}@media screen and (max-width:991px){.page-
template-certificate-page .certification-module--hero--1CWTC>div{-ms-flex-direction:column;flex-
direction:column}}@media screen and (max-width:991px){.page-template-certificate-page .certification-module--
hero--1CWTC .certification-module--imageContainer--33fsg{display:block;margin-left:0;margin-top:60px}}.page-
template-certificate-page .certification-module--hero--1CWTC .certification-module--imageContainer--33fsg
img{border:9px solid #81cfe2;cursor:pointer}.page-template-certificate-page .certification-module--
certificateOverviewSection--3aOWY{padding:60px 0 50px}.page-template-certificate-page .certification-module--
certificateOverviewSection--3aOWY p{max-width:800px;margin-left:auto;margin-right:auto;color:#4597cb;font-
size:25px;line-height:32px}.page-template-certificate-page .certification-module--certificateItemsSection--
1HUMO{padding:0!important;text-align:center!important}.page-template-certificate-page .certification-module--

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certificateItemsSection--1HUMO h3,.page-template-certificate-page .certification-module--certificateItemsSection--1HUMO p{color:#fff}.page-template-certificate-page .certification-module--certificateItemsSection--1HUMO h3{font-size:25px}@media screen and (min-width:992px){.page-template-certificate-page .certification-module--certificateItemsSection--1HUMO h3{min-height:92px}}.page-template-certificate-page .certification-module--bgColorBlue--2eJfR{background-color:#4597cb}.page-template-certificate-page .certification-module--bgColorOrange--270dL{background-color:#173361}.page-template-certificate-page .certification-module--certItemUnorderedList--2khCH{text-align:left;color:#fff;list-style-type:disc;margin-bottom:38px}@media screen and (min-width:992px){.page-template-certificate-page .certification-module--certItemUnorderedList--2khCH{display:-ms-flexbox!important;display:flex!important}}.page-template-certificate-page .certification-module--items--2EvXj{list-style:none;display:block;padding:0;margin:0;overflow:hidden}@media screen and (min-width:768px){.page-template-certificate-page .certification-module--items--2EvXj{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap}}.page-template-certificate-page .certification-module--certificateItem--jApeq{padding:80px 20px!important}@media screen and (min-width:768px){.page-template-certificate-page .certification-module--certificateItem--jApeq{width:50%}}@media screen and (min-width:992px){.page-template-certificate-page .certification-module--certificateItem--jApeq{width:calc(33.33% - 10px)!important;margin:0 5px!important}}.page-template-certificate-page .certification-module--certificateItem--jApeq .certification-module--item--11Jr8{position:relative}.page-template-certificate-page .certification-module--certificateItem--jApeq .certification-module--item--11Jr8 ul{color:#fff;margin:20px 0;text-align:left}.page-template-certificate-page .certification-module--media--37RII{margin:0}.page-template-certificate-page .certification-module--midContent--2hN3i{max-width:900px;margin-left:auto;margin-right:auto}.page-template-certificate-page .certification-module--certificateFaqSection--1TWw0 h2{color:#4597cb;font-size:48px;margin-bottom:40px;line-height:56px}.page-template-certificate-page .certification-module--certificateFaqSection--1TWw0 h3{color:#4597cb;font-size:28px;text-align:left;margin-bottom:10px}.page-template-certificate-page .certification-module--certificateFaqSection--1TWw0 p{max-width:800px}.page-template-certificate-page .certification-module--faqsItems--y-uMZ{list-style:none;padding:0;margin:0;text-align:left}.page-template-certificate-page .certification-module--faqsItems--y-uMZ li{margin-bottom:40px}@media screen and (min-width:992px){.page-template-certificate-page .certification-module--mediaContent---T5KW{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:center;justify-content:center;-ms-flex-align:center;align-items:center;min-height:308px;height:100%}}@media screen and (max-width:991px){.page-template-certificate-page .certification-module--mediaContent---T5KW{padding:0!important;text-align:center}}.page-template-certificate-page .certification-module--mediaContent---T5KW li{list-style-type:disc}.page-template-certificate-page .certification-module--mediaContent---T5KW h3{text-align:center}.page-template-certificate-page .certification-module--row--3abUE{-ms-flex-pack:justify;justify-content:space-between;margin-top:80px}@media screen and (min-width:768px){.page-template-certificate-page .certification-module--row--3abUE{display:-ms-flexbox;display:flex}}.page-template-certificate-page .certification-module--h3Border--SFaPi{font-size:16px!important;line-height:21px!important;text-transform:uppercase;text-align:center;position:relative;padding-top:0!important}.page-template-certificate-page .certification-module--h3Border--SFaPi:after{content:"";height:2px;width:40px;background:#257bd7;margin-top:5px;display:block;position:absolute;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%)}.page-template-certificate-page .certification-module--benefits--36TgD{margin-top:80px}.page-template-certificate-page .certification-module--benefit--2Qg0c{text-align:center}@media screen and (min-width:768px){.page-template-certificate-page .certification-module--benefit--2Qg0c{-ms-flex:0 1 16%;flex:0 1 16%}}.page-template-certificate-page .certification-module--benefit--2Qg0c img{max-width:50px;max-height:45px}.page-template-certificate-page .certification-module--benefit--2Qg0c .certification-module--benefitText--2rIS_{font-size:16px;margin-top:20px}.page-template-certificate-page .certification-module--ctaContainer--1hwZR{display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;margin-top:20px}.page-template-certificate-page .certification-module--ctaContainer--1hwZR .certification-module--button--3wFfd+.certification-module--button--3wFfd{margin-top:20px}.wp .page-community-code-of-conduct

.coc-header{color:#101040!important;padding:30px 18px}.wp .page-community-code-of-conduct p{font-size:16px;line-height:30px;max-width:750px}.wp .page-community-code-of-conduct h1,.wp .page-community-code-of-conduct h2,.wp .page-community-code-of-conduct h4,.wp .page-community-code-of-conduct p{color:#101040}.wp .page-community-code-of-conduct h4{font-size:14px;position:relative;text-transform:uppercase}.wp .page-community-code-of-conduct h4:after{content:"";height:2px;width:40px;background:#257bd7;bottom:10px;left:0;position:absolute}.wp .page-community-code-of-conduct h1,.wp .page-community-code-of-conduct h2{font-size:36px;font-weight:400;line-height:48px;padding-top:30px}.wp .page-community-code-of-conduct a{color:#4197cb}.wp .page-community-code-of-conduct .coc-header-img img{width:100%;padding:0 80px;margin:0 auto;display:block;max-width:400px}.wp .page-community-code-of-conduct .coc-list{background:#f2f3f6;padding:30px 0}.wp .page-community-code-of-conduct .coc-body h4,.wp .page-community-code-of-conduct .coc-body p{max-width:750px}.wp .page-community-code-of-conduct .coc-content{padding:30px 18px}.wp .page-community-code-of-conduct .coc-content h4{margin-bottom:30px}@media screen and (min-width:1000px){.wp .page-community-code-of-conduct h1,.wp .page-community-code-of-conduct h2{font-size:48px;line-height:55px;padding-top:40px}.wp .page-community-code-of-conduct .coc-header{-ms-flex-align:center;align-items:center;display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;padding:60px 18px}.wp .page-community-code-of-conduct .coc-header-content,.wp .page-community-code-of-conduct .coc-header-img{width:50%}.wp .page-community-code-of-conduct .coc-header-img img{padding:80px;margin:0;max-width:100%}.wp .page-community-code-of-conduct .coc-header p{max-width:425px}}@media screen and (min-width:1000px){.wp .page-community-code-of-conduct .coc-list{padding:60px 0}}@media screen and (min-width:100px){.wp .page-community-code-of-conduct .coc-content{padding:60px 18px}}.wp .page-confluent-community-license-faq table{margin:20px 0;width:100%}.wp .page-confluent-community-license-faq table td,.wp .page-confluent-community-license-faq table th{padding:10px;vertical-align:top;border:1px solid #000}.wp .page-confluent-community-license-faq table th{color:#c5832e;text-transform:uppercase}.wp .page-confluent-community-license-faq table td{width:50%}.wp .page-confluent-community-license-faq table tr.head td{background-color:#b4e1e4!important;color:#0074a2;text-transform:uppercase}.wp .page-confluent-community-license-faq table tbody tr:nth-child(2n) td{background-color:#e6f5fb}.wp .confluent-verified-integration-faqs-module--page--BYndC span{font-weight:400}.wp .confluent-verified-integration-faqs-module--page--BYndC .confluent-verified-integration-faqs-module--faq--2vNyy{border-top:1px solid #eee;padding-top:40px}.wp .confluent-verified-integration-faqs-module--page--BYndC .confluent-verified-integration-faqs-module--faq--2vNyy ul li li{margin-bottom:0}.cookies-module--container--30krb h3{text-align:center}.cookies-module--container--30krb .cookies-module--cookiesTable--E-5QH{font-size:18px;border:1px solid #ccc;border-collapse:collapse;margin:0;padding:0;width:100%;table-layout:fixed}.cookies-module--container--30krb .cookies-module--cookiesTable--E-5QH tr:nth-child(2n){background-color:#ecec;#ddd;padding:.35em}.cookies-module--container--30krb .cookies-module--cookiesTable--E-5QH tr:nth-child(odd){background-color:#dcd8d8;border:1px solid #ddd;padding:2em}.cookies-module--container--30krb .cookies-module--cookiesTable--E-5QH tr:nth-child(2n) td,.cookies-module--container--30krb .cookies-module--cookiesTable--E-5QH tr:nth-child(odd) td{border-right:1px solid #ddd;padding:10px;vertical-align:unset}.cookies-module--container--30krb .cookies-module--cookiesTable--E-5QH tr:first-child{background-color:#777373;border:1px solid #ddd;padding:.35em}.cookies-module--container--30krb .cookies-module--cookiesTable--E-5QH tr:first-child td{border-right:1px solid #ddd;padding:10px;color:#fff}.cookies-module--container--30krb .cookies-module--cookiesTable--E-5QH td:nth-of-type(3n) ul{margin-top:15px}.wp .page-template-industry-solutions-page .main_banner{background:#b4e1e4}.wp .page-template-industry-solutions-page .main_banner p{font-weight:400;font-size:26px;max-width:800px;margin-left:auto;margin-right:auto;margin-top:20px;line-height:36px}.wp .page-template-industry-solutions-page .main_banner .white_outline_button{background-color:#fff671f;border:2px solid #fff671f;padding:10px 50px}.wp .page-template-industry-solutions-page .featured_use_cases_section h2{font-size:32px;font-weight:500}.wp .page-template-industry-solutions-page .featured_use_cases_section .uc_item{margin-top:20px}.wp .page-template-industry-

solutions-page .featured_use_cases_section .uc_item .uc_inner{background-color:#fff;text-align:left;padding:20px 35px;font-size:16px}.wp .page-template-industry-solutions-page .featured_use_cases_section .uc_item .uc_inner h3{font-size:22px;font-weight:700;color:#4596ca}.wp .page-template-industry-solutions-page .cta_section{padding:80px 0 90px;text-align:center;background-color:#f0f0f0}.wp .page-template-industry-solutions-page .cta_section h2{font-size:48px;line-height:1.08;color:#2a323c}.wp .page-template-industry-solutions-page .cta_section p{font-size:26px;line-height:1.23;color:#111820!important;margin-bottom:0;padding-bottom:0}.wp .page-template-industry-solutions-page .industry_solution_section h2{font-size:32px;font-weight:500}.wp .page-template-industry-solutions-page .solution_categories{margin-top:20px}.wp .page-template-industry-solutions-page .solution_categories .solution_category{height:300px;background:#173361}.wp .page-template-industry-solutions-page .solution_categories .solution_category:nth-child(2n){background:#0074a2}.wp .page-template-industry-solutions-page .solution_categories .solution_category.cbp-singlePageInline-active{opacity:1!important;overflow:visible}.wp .page-template-industry-solutions-page .solution_categories .solution_category.cbp-singlePageInline-active .cbp-item-wrapper{z-index:2}.wp .page-template-industry-solutions-page .solution_categories .solution_category.cbp-singlePageInline-active:after{content:"";display:block;position:absolute;left:50%;bottom:-30px;margin-left:-50px;border:50px solid transparent;border-bottom-color:#eff2f5;z-index:1}.wp .page-template-industry-solutions-page .solution_categories .solution_category img{display:block;margin:0 auto 38px;width:auto}.wp .page-template-industry-solutions-page .solution_categories .solution_category .cbp-l-caption-title{font-size:26px;font-weight:700}.wp .page-template-industry-solutions-page .solution_categories .solution_category .cbp-l-caption-desc{margin-top:35px}.wp .page-template-industry-solutions-page .solution_categories .solution_category .white_button{color:#4596ca;transition:inherit;background-color:#fff;border-radius:2px;font-size:16px;line-height:24px;padding:6px 25px;display:inline-block;font-weight:700}.wp .page-template-industry-solutions-page .solution_categories .solution_category_info{background-color:#eff2f5;padding:30px 35px}.wp .page-template-industry-solutions-page .solution_categories .solution_category_info .desc h4{color:#4596ca;font-size:22px;line-height:normal;font-weight:700}.wp .page-template-industry-solutions-page .solution_categories .solution_category_info .solution_item{margin-top:20px}.wp .page-template-industry-solutions-page .solution_categories .solution_category_info .solution_item .solution_item_inner{background-color:#fff;padding:25px 25px 50px;position:relative;height:100%}.wp .page-template-industry-solutions-page .solution_categories .solution_category_info .solution_item h4{font-size:18px;font-weight:700;line-height:normal;padding:0;margin-bottom:20px}.wp .page-template-industry-solutions-page .solution_categories .solution_category_info .solution_item .morelink{position:absolute;bottom:20px;left:25px}.wp .page-template-industry-solutions-page .solution_categories .cbp-popup-singlePageInline{margin-bottom:60px}.wp .page-template-industry-solutions-page .solution_categories .cbp-popup-singlePageInline .cbp-popup-content{margin-bottom:30px}.wp .page-template-industry-solutions-page .solution_categories .cbp-popup-singlePageInline .cbp-popup-navigation{display:none}.wp .page-template-industry-solutions-page .desc h5{font-size:18px;font-weight:700}.wp .page-template-industry-solutions-page .desc ul{padding:0;list-style:none}.wp .page-template-industry-solutions-page .desc ul li{padding-left:20px;background-image:url(https://cdn.confluent.io/wp-content/themes/confluent/assets/images/li-style.png);background-repeat:no-repeat;background-position:left 10px}@media screen and (min-width:768px){.wp .page-template-industry-solutions-page .additional-resources-row{display:-ms-flexbox;display:flex}}.modern-slavery-policy-module--page--s-_47{text-align:left!important}.modern-slavery-policy-module--page--s-_47 h2{color:#333;font-size:30px;font-weight:400;line-height:36px;margin:0;padding:10px 0;text-align:center}.modern-slavery-policy-module--page--s-_47 h3{font-size:20px}.modern-slavery-policy-module--page--s-_47 ol{font-weight:300;line-height:1.78;color:#4a4a4a;font-size:18px}.wp .page-nominate .nomination .h3-border:after{content:"";height:2px;width:40px;background:#257bd7;margin-top:5px;display:block;position:relative}@media screen and (max-width:1000px){.wp .page-nominate .nomination .h3-border{text-align:center}.wp .page-nominate .nomination .h3-border:after{margin:5px auto 0}}.wp .page-nominate .nomination img{margin:0}.wp .page-nominate .nomination .row{display:-ms-flexbox;display:flex}@media screen and (max-width:1000px){.wp .page-nominate .nomination .row{margin-

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left:0;margin-right:0}}.wp .page-nominate .nomination h1,.wp .page-nominate .nomination h2{font-size:45px;line-
height:61px;max-width:900px}.wp .page-nominate .nomination h3{font-size:16px!important;line-
height:21px!important;text-transform:uppercase}.wp .page-nominate .nomination__hero{padding-
top:100px;background:#257bd7}@media screen and (max-width:1000px){.wp .page-nominate .nomination__hero
.row{display:block}}.wp .page-nominate .nomination__hero h1,.wp .page-nominate .nomination__hero h2,.wp
.page-nominate .nomination__hero h3,.wp .page-nominate .nomination__hero p{color:#fff}@media screen and
(max-width:1000px){.wp .page-nominate .nomination__hero h1,.wp .page-nominate .nomination__hero h2,.wp
.page-nominate .nomination__hero h3,.wp .page-nominate .nomination__hero p{text-align:center}}.wp .page-
nominate .nomination__hero p{font-size:18px;line-height:27px;max-width:600px}@media screen and (max-
width:1000px){.wp .page-nominate .nomination__hero p{margin:0 auto}}.wp .page-nominate .nomination__hero
h3{color:#d8d8d8}.wp .page-nominate .nomination__hero .row{position:relative}@media screen and (min-
width:1000px){.wp .page-nominate .nomination__hero .row{display:-ms-flexbox;display:flex}}@media screen and
(min-width:1000px){.wp .page-nominate .nomination__hero .half:first-child{width:60%;padding-
bottom:200px}}.wp .page-nominate .nomination__hero .half:last-child{margin:0 auto;width:50%}@media screen
and (min-width:1000px){.wp .page-nominate .nomination__hero .half:last-
child{position:absolute;right:0;bottom:0}}.wp .page-nominate
.nomination__pillars{background:#eeff4;padding:60px 0}.wp .page-nominate .nomination__pillars .row{-ms-flex-
wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between}.wp .page-nominate
.nomination__pillars h3{margin-bottom:45px}.wp .page-nominate .nomination__pillars .nomination__pillar{text-
align:center;width:100%}.wp .page-nominate .nomination__pillars .nomination__pillar p{font-size:16px}.wp .page-
nominate .nomination__pillars .nomination__pillar img{max-width:90px}@media screen and (min-width:550px)
and (max-width:999px){.wp .page-nominate .nomination__pillars .nomination__pillar{width:50%}}@media screen
and (min-width:1000px){.wp .page-nominate .nomination__pillars .nomination__pillar{width:15%}}.wp .page-
nominate .nomination__pillars p{font-size:18px;line-height:27px;margin-top:20px}.wp .page-nominate
.nomination__content{background-repeat:repeat-x;background-position:bottom;background-
image:url(https://cdn.confluent.io/images/nominations/buildings-bg.png);margin-top:100px}@media screen and
(min-width:1200px){.wp .page-nominate .nomination__content{background-position:50%}}.wp .page-nominate
.nomination__content img{max-width:100%;width:auto}.wp .page-nominate .nomination__content p{font-
size:16px}.wp .page-nominate .nomination__content .row{position:relative;-ms-flex-wrap:wrap;flex-
wrap:wrap;text-align:center}@media screen and (min-width:1000px){.wp .page-nominate .nomination__content
.row{text-align:left}}@media screen and (min-width:1000px){.wp .page-nominate .nomination__content .row:last-
child{margin-top:100px}}.wp .page-nominate .nomination__content .row:last-child .half:first-child{padding-
left:0}@media screen and (min-width:1000px){.wp .page-nominate .nomination__content .row:last-child .half:first-
child{margin-top:-75px}}.wp .page-nominate .nomination__content .image--right{display:none;margin-
top:40px;float:right}@media screen and (min-width:1000px){.wp .page-nominate .nomination__content .image--
right{display:block}}.wp .page-nominate .nomination__content .container{background-size:cover;background-
position:bottom;background-repeat:no-repeat;padding-bottom:50px;padding-top:100px}.wp .page-nominate
.nomination__content .container .half{width:100%}@media screen and (min-width:1000px){.wp .page-nominate
.nomination__content .container .half{width:46%}}.wp .page-nominate .nomination__content .container .half:first-
child{padding-left:30px}.wp .page-nominate .nomination__content .container .half:last-child{padding-
right:30px;margin-left:8%}}.wp .page-nominate
.nomination__form{background:#2a2e71;overflow:hidden;position:relative}@media screen and (min-
width:1000px){.wp .page-nominate .nomination__form{padding-bottom:150px}}.wp .page-nominate
.nomination__form:before{background-image:url(https://cdn.confluent.io/images/nominations/blue-
buildings.png);display:block;height:70%;width:685px;position:absolute;background-size:cover;z-
index:1;left:65%;background-repeat:no-repeat;bottom:250px}@media screen and (min-width:1000px){.wp .page-
nominate .nomination__form:before{content:""}}.wp .page-nominate .nomination__form .container{padding:100px
0 50px}.wp .page-nominate .nomination__form .container>div:first-child{width:100%}@media screen and (min-

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width:1000px){.wp .page-nominate .nomination__form .container>div:first-child{ width:60% }}.wp .page-nominate
.nomination__form h2{padding-left:10px}.wp .page-nominate .nomination__form h2,.wp .page-nominate
.nomination__form h3,.wp .page-nominate .nomination__form h4,.wp .page-nominate .nomination__form
p{color:#fff}.wp .page-nominate .nomination__form p{font-size:18px;line-height:27px}.wp .page-nominate
.nomination__form label.error{color:red;position:absolute;top:0;margin:0;right:0;width:auto}.wp .page-nominate
.nomination__form-row{position:relative}.wp .page-nominate .nomination__form-row input,.wp .page-nominate
.nomination__form-row label,.wp .page-nominate .nomination__form-row
textarea{color:#afb0b3;display:block;width:100%}.wp .page-nominate .nomination__form-row label{letter-
spacing:1px;margin:20px 0 10px;text-transform:uppercase}.wp .page-nominate .nomination__form-row
textarea{min-height:250px;padding:15px}.wp .page-nominate .nomination__form-row input,.wp .page-nominate
.nomination__form-row textarea{background:transparent;border:1px solid #afb0b3}.wp .page-nominate
.nomination__form-row input[type=email],.wp .page-nominate .nomination__form-row input[type=text],.wp .page-
nominate .nomination__form-row textarea[type=email],.wp .page-nominate .nomination__form-row
textarea[type=text]{padding:17px}.wp .page-nominate .nomination__form-row--radio input,.wp .page-nominate
.nomination__form-row--radio label{display:inline;width:auto}.wp .page-nominate .nomination__form-row--radio
p{margin-top:15px;opacity:0;transition:opacity .6s}.wp .page-nominate .nomination__form-row--radio
input{margin-right:6px}.wp .page-nominate .nomination__form-row--radio label{margin-right:20px}.wp .page-
nominate .nomination__form-row--radio .isOver18{display:block}.wp .page-nominate .nomination__form-row--
control button{background:#257bd7;border-radius:50px;border:none;color:#fff;font-size:24px;line-
height:28px;margin-right:10px;margin-top:30px;min-width:260px;outline:none;padding:15px 20px;text-
align:center;-ms-transform:scale(1);transform:scale(1);transition:all .4s ease}.wp .page-nominate
.nomination__form-row--control button:hover{-ms-
transform:scale(1.025);transform:scale(1.025);background:#1e62ab}.wp .page-nominate .nomination__form-row--
control button.nomination__button--prev{background:none;border:1px solid #257bd7;color:#257bd7}@media
screen and (max-width:600px){.wp .page-nominate .nomination__form-row--control{text-align:center}.wp .page-
nominate .nomination__form-row--control button{display:block;font-size:18px;margin:15px auto;max-
width:60% }}.wp .page-nominate .nomination__form .swiper-pagination{bottom:0;left:50%;padding:14px
0;position:relative;-ms-transform:translateX(-50%);transform:translateX(-50%)}@media screen and (min-
width:1000px){.wp .page-nominate .nomination__form .swiper-pagination{bottom:10px;position:absolute}}.wp
.page-nominate .nomination__form .swiper-pagination-bullet{background:#d8d8d8;height:12px;margin:0
3px;opacity:1;width:12px}.wp .page-nominate .nomination__form .swiper-pagination-bullet-
active{background:#257bd7}.wp .page-nominate .nomination__form .swiper-slide{padding:10px}.wp .page-
nominate .nomination__form .swiper-slide fieldset{display:none}.wp .page-nominate .nomination__form .swiper-
slide:first-child fieldset{display:block}.wp .page-nominate .nomination__form .container{position:relative}.wp
.page-nominate .nomination__form img{bottom:-30px;right:-50%;max-width:450px;position:relative;-ms-
transform:translateX(-50%);transform:translateX(-50%);z-index:2}@media screen and (min-width:1000px){.wp
.page-nominate .nomination__form img{bottom:0;position:absolute;right:0;-ms-
transform:translateX(0);transform:translateX(0)}}.wp .page-nominate .nomination__form .thank-
you{display:none;padding:0 10px}@media screen and (min-width:1000px){.wp .page-nominate .nomination__form
.thank-you{margin-bottom:300px}}.wp .page-nominate .nomination .nomination-content{background-
color:#d61c50;padding:15px;color:#fff;text-align:center}.wp .page-nominate .nomination .nomination-
paragraph{margin:0 auto;color:#fff;font-size:16px;letter-spacing:.2px;width:70%;font-weight:400}@media screen
and (max-width:768px){.wp .page-nominate .nomination .nomination-paragraph{font-size:14px;width:90% }}.wp
.page-nominate .nomination .nomination__people{margin:20px 0}.wp .page-nominate .nomination
.nomination__people h2{max-width:none;text-align:center;margin:0;padding:0}.wp .page-nominate .nomination
.nomination__people img{border-radius:50%;width:112px;height:112px;border:1px solid #fff;-o-object-
fit:cover;object-fit:cover}.wp .page-nominate .nomination .nomination__people img.avatar{border-color:#ccc}.wp
.page-nominate .nomination .nomination__people .country-flag{width:25px;height:auto;-o-object-fit:contain;object-

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fit:contain}.wp .page-nominate .nomination .nomination__people .container{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap}.wp .page-nominate .nomination .nomination__people .container>div{text-align:center;width:20%;margin:25px 0}.wp .page-nominate .nomination .nomination__people .container>div:nth-child(5n){margin-right:0}.wp .page-nominate .nomination .nomination__people .name{margin-top:5px}@media screen and (max-width:920px){.wp .page-nominate .nomination .nomination__people .container{-ms-flex-pack:center;justify-content:center}.wp .page-nominate .nomination .nomination__people .container>div{text-align:center;width:30%}}@media screen and (max-width:540px){.wp .page-nominate .nomination .nomination__people .container>div{text-align:center;width:40%}}@media screen and (max-width:360px){.wp .page-nominate .nomination .nomination__people .container>div{text-align:center;width:100%}}.wp .previous-versions-module--container---YDGX td{height:auto}.sub-processors-module--page--2onUo table{border:1px solid #ccc;border-collapse:collapse;margin:0;padding:0;width:100%;table-layout:fixed;height:250px}.sub-processors-module--page--2onUo table thead tr{background-color:#dcd8d8;border:1px solid #ddd;padding:.35em}.sub-processors-module--page--2onUo table tbody tr{border:1px solid #ddd;padding:.35em}.sub-processors-module--page--2onUo table td{border-right:1px solid #ddd;padding:10px;height:24px;width:33.2969%}.wp .page-template-subscription .subscription-confluent-platform{margin-bottom:40px}.wp .page-template-subscription .sublist{font-family:MarkOT,sans-serif!important;font-size:16px!important;font-weight:300!important;line-height:24px!important;color:#4a4a4a!important}.wp .page-template-subscription .content-container{margin-left:40px}.style-module--container--2SjuF ul li{font-weight:300;line-height:1.78;color:#4a4a4a;font-size:18px}.style-module--container--2SjuF ul ul{margin:0}.wp .page-why-confluent .full-bleed-banner{background-image:url(https://cdn.confluent.io/wp-content/uploads/hero-image.png);background-size:cover;background-position:50%;padding:60px 0;text-align:center}@media only screen and (min-width:480px){.wp .page-why-confluent .full-bleed-banner{padding:90px 0}}@media only screen and (min-width:540px){.wp .page-why-confluent .full-bleed-banner{padding:120px 0}}@media only screen and (min-width:768px){.wp .page-why-confluent .full-bleed-banner{padding:250px 0}}.wp .page-why-confluent .full-bleed-banner__subtitle{color:#fff;font-size:18px;line-height:24px;font-weight:400;text-transform:uppercase}.wp .page-why-confluent .full-bleed-banner h1{color:#fff;font-size:60px;line-height:80px;font-weight:700}.wp .page-why-confluent .full-bleed-banner__buttons{position:relative;margin:12px auto 0}@media only screen and (min-width:768px){.wp .page-why-confluent .full-bleed-banner__buttons{-ms-flex-align:start;align-items:flex-start;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}}.wp .page-why-confluent .full-bleed-banner__buttons a{border-radius:8px;font-size:14px;display:block;line-height:14px;margin:0 auto 18px;opacity:1;padding:18px 42px;text-transform:uppercase;transition:opacity .3s ease;width:-webkit-max-content;width:-moz-max-content;width:max-content}@media only screen and (min-width:768px){.wp .page-why-confluent .full-bleed-banner__buttons a{display:inline-block;margin:0}}.wp .page-why-confluent .full-bleed-banner__buttons a:hover{opacity:.75}@media only screen and (min-width:768px){.wp .page-why-confluent .full-bleed-banner__buttons a+a{margin-left:18px}}.wp .page-why-confluent .full-bleed-banner__buttons a:first-child{background-color:#fff;color:#637fed}.wp .page-why-confluent .full-bleed-banner__buttons a:last-child{border:1px solid #fff;background-color:transparent;color:#fff;margin-bottom:0}.wp .page-why-confluent .schema-registry{overflow-x:hidden}.page-template-customers .bg-grey{display:block;z-index:1;opacity:1}.page-template-customers .swiper-wrapper{height:auto!important}.page-template-customers .featured-stories{background-image:linear-gradient(180deg,hsla(0,0%,100%,0),rgba(70,152,203,.08))}.page-template-customers .featured-stories.bg-grey,.page-template-customers .featured-stories.bg-white{background-image:none!important}.page-template-customers .featured-stories.bg-grey{background-color:#fafafa!important}.page-template-customers .featured-stories__stories{margin-top:48px}@media screen and (min-width:768px){.page-template-customers .featured-stories__stories{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;-ms-flex-wrap:wrap;flex-wrap:wrap}}.page-template-customers .featured-stories__story{background-color:#fff;border:1px solid #ddd;border-radius:10px;display:block;margin-bottom:30px;padding:30px;position:relative;text-align:left}@media screen and (min-width:768px){.page-template-customers .featured-stories__story{margin:1%;width:48%}}@media screen and (min-width:992px){.page-template-

customers .featured-stories__story{width:31% } .page-template-customers .featured-stories__story [data-mh=story-image]{-ms-flex-align:center;align-items:center;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;margin-bottom:12px } .page-template-customers .featured-stories__story [data-mh=story-image]img{margin:0 } .page-template-customers .featured-stories__story h3{color:#4a4a4a;font-size:24px;font-weight:700;line-height:30px;margin-bottom:12px } .page-template-customers .featured-stories__story h3 a{color:#4597cb;margin-top:0 } .page-template-customers .featured-stories__story h3 a:hover{text-decoration:none } .page-template-customers .featured-stories__story p{color:#8b8d90;font-size:16px;font-weight:400;line-height:28px;margin-bottom:0 } .page-template-customers .featured-stories__story a{display:block;margin-top:24px } .page-template-customers .featured-stories__story a img{margin-left:0 } .page-template-customers .featured-stories__story .icon-container{display:inline-block;vertical-align:middle;margin-right:10px } .page-template-customers .featured-stories__bubbles{margin-top:30px } @media screen and (min-width:768px){ .page-template-customers .featured-stories__bubbles{-ms-flex-align:center;align-items:center;display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:center;justify-content:center } .page-template-customers .featured-stories__bubble{-ms-flex-align:center;align-items:center;background:#fff;border-radius:50%;display:-ms-flexbox;display:flex;height:160px;margin:0 auto 30px;padding:18px;position:relative;width:160px } @media screen and (min-width:768px){ .page-template-customers .featured-stories__bubble{margin:0 12px 30px } .page-template-customers .featured-stories__bubble div{-ms-flex-align:center;align-items:center;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;position:relative;text-align:center;width:100% } .page-template-customers .featured-stories__bubble img{margin:0 } .page-template-customers .featured-stories__bubble span{display:block!important } .page-template-customers .image-text-carousel{background-image:linear-gradient(180deg,hsla(0,0%,100%,0),rgba(70,152,203,.08)) } .page-template-customers .image-text-carousel.bg-grey,.page-template-customers .image-text-carousel.bg-white{background-image:none!important } .page-template-customers .image-text-carousel.bg-grey{background-color:#fafafa!important } .page-template-customers .image-text-carousel .container{position:relative } .page-template-customers .image-text-carousel .swiper-container .swiper-slide__content{margin:0 auto;padding:0 60px;position:relative;text-align:left } .page-template-customers .image-text-carousel .swiper-container .swiper-slide__content>div:first-child{margin-bottom:24px } @media screen and (min-width:768px){ .page-template-customers .image-text-carousel .swiper-container .swiper-slide__content{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between } .page-template-customers .image-text-carousel .swiper-container .swiper-slide__content>div:first-child{margin-bottom:0;padding:0 30px;width:40% } .page-template-customers .image-text-carousel .swiper-container .swiper-slide__content>div:last-child{width:60% } .page-template-customers .image-text-carousel .swiper-container .swiper-slide__content img{margin:0;padding:0 } .page-template-customers .image-text-carousel .swiper-container .swiper-slide__content h3{color:#4a4a4a;font-size:24px;font-weight:700;line-height:38px;margin-top:0;padding-top:0 } .page-template-customers .image-text-carousel .swiper-container .swiper-slide__content p{color:#4a4a4a;font-size:16px;line-height:32px } .page-template-customers .image-text-carousel .swiper-button-next,.page-template-customers .image-text-carousel .swiper-button-prev{background-image:none;border-bottom:4px solid #8b8d90;border-left:4px solid #8b8d90;height:30px;width:30px;-ms-transform:rotate(45deg);transform:rotate(45deg)} .page-template-customers .image-text-carousel .swiper-button-next{-ms-transform:rotate(-135deg);transform:rotate(-135deg)} .page-template-customers .image-text-carousel .swiper-pagination{margin-top:30px;position:relative } .page-template-customers .image-text-carousel .swiper-pagination .swiper-pagination-bullet{background-color:transparent;border:1px solid #8b8d90;height:9px;margin:0 9px;opacity:1;width:9px } .page-template-customers .image-text-carousel .swiper-pagination .swiper-pagination-bullet-active{background-color:#8b8d90 } .page-template-customers .section.hero_overview.hero-section{padding:90px 0 30px!important } @media screen and (max-width:800px){ .page-template-customers .section.hero_overview.hero-section{padding:60px 0 30px!important } } .page-template-customers .cc-featured-table-header{padding:30px 0;position:relative } .page-template-customers .cc-featured-table-header:before{content:"";display:block;width:100%;height:1px;border-top:1px solid

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#dce0e4;position:absolute;left:0;bottom:0}.page-template-customers .license-table{background:#fff;padding:0 0
90px;position:relative}.page-template-customers .license-table p{font-size:16px}.page-template-customers .license-
table h4{color:#8e9093;font-size:18px;font-weight:600;line-height:28px;padding:0}.page-template-customers
.license-table hr{margin-top:20px}.page-template-customers .license-table ul{margin-bottom:30px}.page-template-
customers .license-table ul ul{margin-top:18px;padding-left:24px}.page-template-customers .license-table
li{color:#8e9093;margin-bottom:20px;font-weight:300}.page-template-customers .license-table .row{box-
shadow:none;display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-
content:space-between}.page-template-customers .half{padding:30px}.page-template-customers .half #download-
cloud-half-button{background-color:rgba(74,148,214,.85);background-image:radial-gradient(ellipse farthest-corner
at -40% 260%,#4a94d6 0,rgba(49,109,194,0) 80%,#4e95d3 0),linear-
gradient(258deg,rgba(87,238,255,.1),rgba(77,108,211,0));border-radius:50px;box-
shadow:none;color:#fff;display:inline-block;min-width:360px;padding:16px 20px 16px 65px;position:relative;text-
align:left;text-decoration:none}.page-template-customers .half #download-cloud-half-
button:before{content:"";background-repeat:no-repeat;background-
size:contain;width:40px;height:40px;position:absolute;left:20px;top:28px;transition:all .1s ease-in}.page-template-
customers .tabs-stage{padding-bottom:60px;box-shadow:0 0 30px 0 rgba(57,84,109,.14)}.page-template-customers
.license-table.test-2 .row{border:none;box-shadow:none;padding:0}.page-template-customers .license-table .layout-
break{margin:-35px 0 35px;font-size:36px;line-height:46px}.page-template-customers .line-dot-
right:before{width:calc(100% - 60px)}.page-template-customers .line-dot-right:after{right:50px}.page-template-
customers .test-2 .container h2+div>h3{color:#8e9093;font-size:16px;font-weight:300;letter-spacing:2px;line-
height:2;text-transform:uppercase}@media screen and (min-width:800px){.page-template-customers
.half{width:49.9%}.page-template-customers .license-table .row{-ms-flex-wrap:nowrap;flex-wrap:nowrap}}.page-
template-customers .skinny{padding-top:90px}.page-template-customers .skinny h2{color:#8e9093;font-
size:32px;line-height:52px;font-weight:300}.page-template-customers .skinny p{color:#4698cb;font-
size:16px}.page-template-customers .skinny img{opacity:.1;margin:0 0 10px}.page-template-customers .featured-
table+.featured-table{margin-top:90px}.page-template-customers .featured-table table{width:100%}.page-template-
customers .featured-table h3{color:#4a4a4a;font-size:24px;line-height:38px;letter-spacing:.7px;text-
transform:none}.page-template-customers .featured-table h3+ul{color:#8e9093;font-weight:300;list-
style:none;padding:0}.page-template-customers .featured-table h3+ul li{padding:0 0 6px!important}.page-template-
customers .featured-table .gs-tooltip,.page-template-customers .featured-table h4{padding:17px}.page-template-
customers .gs-tooltip>p,.page-template-customers td>p{color:#4a4a4a}@media screen and (max-
width:800px){.page-template-customers .gs-tooltip>p,.page-template-customers td>p{font-
size:12px!important}}.page-template-customers .table-dot{background:#4698cb;border-
radius:30px;height:15px;margin:0 auto;text-align:center;width:15px}.page-template-customers .featured-table
h4{font-size:12px;line-height:32px;letter-spacing:2px;text-transform:uppercase;color:#8e9093}.page-template-
customers .thead-no-background h3{font-weight:600;margin:0;padding-top:60px}@media screen and (max-
width:800px){.page-template-customers .thead-no-background h3{font-size:18px!important}}@media screen and
(max-width:800px){.page-template-customers .thead-no-background h4{font-size:10px!important;padding:10px
0}}.page-template-customers .featured-table .tr-heading{background:#fafafa}.page-template-customers .no-
border{border:none!important}.page-template-customers .featured-table table+table tbody tr{border-bottom:1px
solid rgba(0,0,0,.1)}.page-template-customers .featured-table table tbody td:first-child{width:50%}.page-template-
customers section.three-col-media-blocks{text-align:left;padding:0}.page-template-customers section.three-col-
media-blocks section.three-col-media-blocks img{opacity:.3}.page-template-customers section.three-col-media-
blocks p{margin:10px 0 20px}.page-template-customers section.three-col-media-blocks a{font-size:18px}.page-
template-customers section.three-col-media-blocks li div:first-child{display:block}.page-template-customers
section.three-col-media-blocks li div img{margin:0;max-width:120px}.page-template-customers .cta-links-
section{padding-top:0}.page-template-customers .cta-links-section h4{font-weight:500}.page-template-customers
.cta-links-section__title{color:#8e9093;font-size:12px;letter-spacing:3px;text-transform:uppercase}@media screen

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and (max-width:800px){.page-template-customers .cta-links-section .col-12{margin-bottom:30px}}.page-template-customers .three-col-media-blocks .intro-title{max-width:100%}.page-template-customers .three-col-media-blocks .intro-title h2{margin:25px 0;padding-bottom:45px;position:relative;text-align:left;width:100%}.page-template-customers .three-col-media-blocks .intro-title h2:before{content:"";display:block;width:calc(100% - 10px);height:1px;border:2.5px solid #dce0e4;position:absolute;left:0;bottom:0;border-radius:5px}.page-template-customers .three-col-media-blocks .intro-title h2:after{content:"";display:block;width:1px;height:1px;border:2.5px solid #dce0e4;position:absolute;right:0;bottom:0;border-radius:5px}.page-template-customers .download_white h5{color:#4597cb!important}.page-template-customers #download_cp_cc__cloud tr td .gs-tooltip{text-align:center}.page-template-customers #download_cp_cc__cloud tr td:first-child .gs-tooltip{text-align:left}.page-template-customers #download_cp_cc__cloud .featured-table table tbody tr{border-bottom:1px dashed #d3d0d0}.page-template-customers #download_cp_cc__cloud .featured-table table tbody td:first-child{width:30%}.page-template-customers #download_cp_cc__cloud .featured-table table td .rounded_button,.page-template-customers #download_cp_cc__cloud .featured-table table td button{background:#4597cb;border-radius:50px;border:2px solid transparent;color:#fff;display:block;font-size:14px;font-weight:500;letter-spacing:2px;margin:0 auto;max-width:160px;min-width:0;min-width:160px;padding:12px 0 11px;position:relative;text-align:center;text-transform:uppercase;transition:background .35s ease-out,color .35s ease-out;white-space:nowrap}@media screen and (max-width:768px){.page-template-customers #download_cp_cc__cloud .featured-table table td .rounded_button,.page-template-customers #download_cp_cc__cloud .featured-table table td button{font-size:11px;min-width:110px;max-width:110px;margin-left:auto!important}}.page-template-customers #download_cp_cc__cloud .featured-table table td .chart-cta-links{color:#5996c6;display:block;margin-top:30px;text-decoration:underline;font-weight:300}@media screen and (max-width:768px){.page-template-customers #download_cp_cc__cloud .featured-table table td .chart-cta-links{font-size:11px;min-width:110px;max-width:110px;margin-left:auto!important}}@media screen and (max-width:480px){.page-template-customers #download_cp_cc__cloud .featured-table table td{min-width:0;max-width:none;display:table-cell}}.page-template-customers .rounded_button{position:relative;display:inline-block;text-decoration:none;border-radius:50px;box-shadow:2px 3px 6px 0 rgba(0,0,0,.25);box-shadow:none;min-width:360px;max-width:370px;text-align:left;font-size:18px}.page-template-customers .rounded_button.simple_blue,.page-template-customers .rounded_button.simple_white{border:2px solid #4a94d6}.page-template-customers .download_blue-c3{background-image:radial-gradient(ellipse farthest-corner at -40% 260%,#4a94d6 0,rgba(49,109,194,0) 80%,#4e95d3 0),linear-gradient(258deg,rgba(87,238,255,.1),rgba(77,108,211,0));background-color:rgba(74,148,214,.85);color:#fff;padding:16px 20px 16px 65px}.page-template-customers .no-icon:before{background-image:none!important}.page-template-customers .rounded_button h5{display:block;padding:0;opacity:.99;font-family:Roboto;font-size:24px;font-weight:700;font-style:normal;font-stretch:normal;line-height:1.6;letter-spacing:.7px;text-align:left;color:#fff}.page-template-customers .global__breadcrumbs{font-size:12px;margin-bottom:60px}.page-template-customers .global__breadcrumbs ul{margin:auto;list-style:none;overflow:hidden;position:static}.page-template-customers .global__breadcrumbs li{float:left}.page-template-customers .global__breadcrumbs li a{font-weight:300}.page-template-customers .global__breadcrumbs li:after{color:#4698cb;content:">";padding:6px}.page-template-customers .global__breadcrumbs li:last-child:after{content:""}.page-template-customers .download_blue-c3:before{content:"";background-repeat:no-repeat;background-size:contain;width:40px;height:40px;position:absolute;left:20px;top:28px;transition:all .1s ease-in}.page-template-customers .single--text:before{width:30px;height:30px;top:20px}.page-template-customers .download_blue-simple{position:relative;width:240px;height:45px;padding:0;line-height:54px;margin-right:17px;background-color:#4597cb;color:#fff;border:3px solid #4597cb;border-radius:7.5px;opacity:.99;font-size:18px;font-weight:700;letter-spacing:1px;transition:all .3s ease;display:inline-block;text-align:center;white-space:nowrap;vertical-align:middle;cursor:pointer;background-image:none;text-decoration:none!important;margin-top:15px;margin-bottom:25px}.page-template-customers .cta-text-block h2{margin-bottom:60px}.page-template-

customers .download_blue-simple h5{ color:#fff;text-decoration:none!important;padding:5px 15px;font-size:16px }.page-template-customers .paper_white-c3{ margin-left:15px;position:relative;display:inline-block;min-width:360px;text-align:left;font-size:18px;text-decoration:none!important;border-radius:50px;background-color:#fff;color:#4a94d6;padding:17px 21px 16px 70px;outline:0;transition:all .4s ease-in-out;border:3px solid #4698cb }.page-template-customers .paper_white-c3 h5{ display:block;padding:0;opacity:.99;font-family:Roboto;font-size:24px;font-weight:700;font-style:normal;font-stretch:normal;line-height:1.6;letter-spacing:.7px;text-align:left;color:#4a94d6 }.page-template-customers .paper_white-c3:before{ content:"";background-image:url(https://cdn.confluent.io/wp-content/themes/confluent/assets/images/paper_white_link_icon.png);background-repeat:no-repeat;background-size:contain;width:51px;height:51px;position:absolute;left:13px }.page-template-customers .download_blue-c3 span,.page-template-customers .paper_white-c3 span{ display:block;font-size:15px;line-height:20px }.page-template-customers .c3-video_container a.play_btn{ background-size:contain;position:absolute;content:"play";display:block;width:21%;height:30%;text-align:left;text-indent:-9999px;background-repeat:no-repeat;background-size:cover;top:40%;right:50%;margin-top:-41px;margin-left:-34px }.page-template-customers .imagefullright .col-sm-3{ position:absolute;left:66.66%;right:calc(-50% + 300px);padding:0;width:50%;text-align:left;left:64% }.page-template-customers .imagefullright img{ margin-top:-55px }.page-template-customers .hero-section .col-sm-8{ position:relative;z-index:1 }.page-template-customers .hero-section h1{ margin-bottom:30px;padding-bottom:0;line-height:70px } @media only screen and (max-width:767px){ .page-template-customers .hero-section h1 br{ display:none } }.page-template-customers .hero-section .cta-wrap{ padding-top:35px }.page-template-customers .hero-section--border{ border-bottom:1px solid #e6e6e6 }.page-template-customers .hero-section p{ color:#4a4a4a;line-height:32px!important;max-width:760px;letter-spacing:.2px;font-size:21px;width:700px }.page-template-customers .section.hero_overview{ overflow-x:hidden;overflow:hidden;padding:120px 0 30px;text-align:left } @media only screen and (min-width:768px){ .page-template-customers .section.hero_overview{ padding:120px 0 } }.page-template-customers .testimonial-section{ padding-top:119px;padding-bottom:120px }.page-template-customers .testimonial-section-block{ padding-right:21px;padding-left:21px;margin-right:auto;margin-left:auto }.page-template-customers .cta-text-section{ padding-top:50px;padding-bottom:60px;background-color:#fafafa }.page-template-customers .cta-text-gradient{ padding-top:50px;padding-bottom:60px;background-color:#fff;background-image:linear-gradient(180deg,hsla(0,0%,100%,0),rgba(70,152,203,.08)) }.page-template-customers .cta-text-white{ padding-top:50px;padding-bottom:60px }.page-template-customers .cta-text-block{ padding-right:21px;padding-left:21px;margin-right:auto;margin-left:auto }.page-template-customers .cta-text-block img{ width:150px }.page-template-customers .intro-title{ margin:auto }.page-template-customers .intro-title h2{ font-weight:300;color:#8e9093;text-align:center;font-size:3.6rem;line-height:52px }.page-template-customers .intro-title p{ margin-top:0;text-align:center }.page-template-customers .quote-customer-name{ font-size:16px!important;text-align:center;line-height:2!important;color:#ff671b;text-transform:uppercase;padding:0;letter-spacing:2px;font-weight:400 }.page-template-customers .quote-customer-desination{ font-size:16px!important;text-align:center;line-height:2!important;color:#4a4a4a;padding:0;letter-spacing:.2px;font-weight:300 }.page-template-customers .bottom-cta{ background-color:#fafafa;overflow:hidden;padding:50px 0 }.page-template-customers .bottom-cta .container{ padding:90px 15px;position:relative }.page-template-customers .bottom-cta h2{ margin-bottom:30px } @media only screen and (max-width:767px){ .page-template-customers .bottom-cta h2 br{ display:none } }.page-template-customers .bottom-cta .container:before{ content:"";display:block;width:200%;height:50%;background-color:#fff;border-radius:500px 0 0 0;position:absolute;top:0;left:-10% }.page-template-customers .bottom-cta .container:after{ content:"";display:block;width:200%;height:50%;background-color:#fff;border-radius:0 0 500px 0;position:absolute;bottom:0;left:-10% }.page-template-customers .bottom-cta .container .text-wrap{ position:relative;z-index:1 }.page-template-customers .learn-to-love p,.page-template-customers .section-text p{ font-weight:300;line-height:2;color:#4a4a4a;font-size:16px }.page-template-customers .learn-to-love p{ font-family:Roboto;font-style:normal;font-stretch:normal;letter-spacing:.2px;text-align:left;padding-top:7px;margin-

bottom:48px}.page-template-customers .cta-links-section{ background:#fafafa;padding:80px 0}.page-template-customers .cta-anchors{ padding-right:60px;display:block;font-weight:300;line-height:32px}.page-template-customers .transition-c3 p:nth-child(6){ margin-bottom:0}.page-template-customers .section-text__left p,.page-template-customers .section-text__right p{font-family:Roboto;font-size:16px;font-weight:300;font-style:normal;font-stretch:normal;line-height:2;letter-spacing:.2px;text-align:left;color:#4a4a4a;padding-bottom:10px;padding-top:8px}.page-template-customers .section-text__right h3,.page-template-customers .section-text__right p,.page-template-customers .section-text__right ul{padding-left:110px}.page-template-customers .section-text__left h3,.page-template-customers .section-text__left p{padding-right:110px}.page-template-customers .section-text__left h3,.page-template-customers .section-text__right h3{ width:90%;opacity:.99;font-family:Roboto;font-size:24px;font-weight:700;font-style:normal;font-stretch:normal;line-height:1.6;letter-spacing:.7px;text-align:left;color:#4a4a4a;padding-top:60px}.page-template-customers .section-text__right a{padding-left:110px}.page-template-customers .section-img__left img{padding-top:150px}.page-template-customers .section-img__left_No img{padding-top:125px}.page-template-customers .section-img__right img{padding-top:110px}.page-template-customers .c3_specific_content p{padding-top:8px}.page-template-customers .c3_specific_content{ background-color:#fafafa;padding-top:90px;padding-bottom:35px}.page-template-customers .image-text-section{background-color:#fff;background-image:linear-gradient(180deg,hsla(0,0%,100%,0),rgba(70,152,203,.08));padding-top:120px;padding-bottom:89px}.page-template-customers .image-text-section ul{margin-top:-20px;font-weight:300}.page-template-customers .image-text-section .section-text__right ul{margin-left:35px}}@media screen and (max-width:767px){.page-template-customers .image-text-section .section-text__right ul{padding-left:40px}}.page-template-customers .image-animation-1,.page-template-customers .image-animation-2,.page-template-customers .image-animation-3{position:relative;margin-top:25px}.page-template-customers .image-animation-1{display:block}.page-template-customers .img-section-title{width:264px;font-family:Roboto;font-size:24px;font-weight:700;font-style:normal;font-stretch:normal;line-height:1.58;letter-spacing:.7px;text-align:left;color:#4698cb;padding:0}.page-template-customers .main_banner{padding:90px 0 100px}.page-template-customers .faq_intro p{max-width:90%;color:#4a4a4a;font-size:18px}.page-template-customers .faq_content{max-width:90%!important}.page-template-customers .certificate_faq_section p{max-width:none}.page-template-customers .image-animation-1,.page-template-customers .image-animation-2{display:none}.page-template-customers .form_style{padding-left:320px;padding-top:25px}.page-template-customers .form_style_media{padding-left:20px;padding-top:25px}@media screen and (max-width:990px){.page-template-customers .form_style{padding-left:65px}.page-template-customers .form_style_media{padding-left:0}}@media screen and (min-width:1450px){.page-template-customers .imagefullright .col-sm-3 img{margin:-55px 0 0;max-width:750px}.page-template-customers .c3-video_container a.play_btn{width:120px;height:120px;right:0;left:30%;top:45%}}@media screen and (max-width:991px){.page-template-customers .c3-video_container a.play_btn{width:90px;height:90px;top:40%;left:40%}}@media screen and (max-width:767px){.page-template-customers .c3-video_container a.play_btn{width:80px;height:80px;top:50%;left:50%}}.page-template-customers .imagefullright .col-sm-3 img{display:block;margin:20px auto 0}.page-template-customers .imagefullright .col-sm-3{position:relative!important;left:0!important;right:0!important;padding:15px!important;width:100%!important}.page-template-customers .section-text__left h3,.page-template-customers .section-text__left p{padding-right:10px!important}.page-template-customers .transition-c3{padding-bottom:55px}}@media screen and (max-width:1199px){.page-template-customers .paper_white-c3{margin-left:0!important;margin-top:20px}.page-template-customers .download_blue-c3{margin-bottom:10px}.page-template-customers .section-text__right a,.page-template-customers .section-text__right h3,.page-template-customers .section-text__right p,.page-template-customers .section-text__right ul{padding-left:10px}}@media screen and (max-width:767px){.page-template-customers .section-img__left_No img,.page-template-customers .section-img__left img{padding-top:25px!important}.page-template-customers .section-text__right a,.page-template-customers .section-text__right h3,.page-template-customers .section-text__right p{padding-left:10px!important}.page-template-customers .section-

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img__right img{padding-top:20px!important}}@media screen and (max-width:480px){.page-template-customers
.download_blue-c3 h5,.page-template-customers .paper_white-c3 h5{font-size:18px!important}}.page-template-
customers .c3_specific_content .image-animation{margin-top:100px}@media only screen and (max-
width:767px){.page-template-customers .c3_specific_content .image-animation{margin-top:10px}.page-template-
customers .animation_specfic_content{padding-bottom:25px}}.page-template-customers .bottom-cta p{margin-
top:-80px}.page-template-customers .animation_specfic_content{padding-bottom:110px}.page-template-customers
.desktop-only{display:none}@media screen and (min-width:800px){.page-template-customers .desktop-
only{display:block}}.page-template-customers .cc-featured-table-header h2{font-size:38px!important;text-
align:center;text-transform:capitalize!important}.page-template-customers #tab-2 .rounded_button{margin:30px
auto!important}.page-template-customers #tab-2 h3{font-size:28px!important;text-align:center;margin-
bottom:50px}.page-template-customers #tab-2 .pricing-check-list{max-width:850px;margin:0 auto}.page-template-
customers #tab-2 .pricing-check-list li{font-size:20px;width:100%;margin-bottom:20px}@media screen and (min-
width:1000px){.page-template-customers #tab-2 .pricing-check-list li{width:50%;padding-left:30px;text-
align:left;margin-bottom:50px}}.page-template-customers #view-pricing .container{background:#fff;box-shadow:0
0 10px 3px rgba(0,0,0,.1)}@media screen and (max-width:768px){.page-template-customers #view-pricing
.container{width:100%}}@media screen and (min-width:1000px){.page-template-customers #view-pricing
.container{padding:0 50px}}.page-template-customers .pricing-table{position:relative}@media screen and (max-
width:1000px){.page-template-customers .pricing-table{padding-bottom:0}}@media screen and (min-
width:750px){.page-template-customers .pricing-
table:after{background:#f2f3f6;content:"";height:250px;left:0;position:absolute;top:0;width:100%;z-index:-
1}}.page-template-customers .pricing-table .rounded_button{background:#4597cb;border:2px solid
#4597cb;color:#fff;display:block;font-size:14px,max-width:160px,min-width:160px;padding:10px;text-
align:center;text-transform:uppercase;width:50%;transition:all .3s ease}.page-template-customers .pricing-table
.rounded_button--outline,.page-template-customers .pricing-table
.rounded_button:hover{background:#fff;border:2px solid #4597cb;color:#4597cb}.page-template-customers
.pricing-table .rounded_button--outline:hover{background:#4597cb;color:#fff}.page-template-customers .pricing-
table .pricing-ctas{margin:0 auto;width:auto;padding:60px 0 40px;display:block}@media screen and (min-
width:800px){.page-template-customers .pricing-table .pricing-ctas{display:-ms-flexbox;display:flex;-ms-flex-
wrap:wrap;flex-wrap:wrap;-ms-flex-pack:center;justify-content:center}}.page-template-customers .pricing-table
.pricing-ctas .rounded_button{margin:10px auto!important}@media screen and (min-width:800px){.page-template-
customers .pricing-table .pricing-ctas .rounded_button{margin:10px!important}}.page-template-customers .pricing-
table .pricing-ctas p{margin:30px 0;text-decoration:underline;text-align:center;width:100%}.page-template-
customers .pricing-table .row{display:-ms-flexbox;display:flex;margin:0 0 6px}.page-template-customers .pricing-
table .row-total h3{position:relative}.page-template-customers .pricing-table .row-total h3:before{border-top:1px
solid #979797;width:250px;position:absolute;content:"";height:1px;top:-16px;left:0}.page-template-customers
.pricing-table ul.tabs{display:block;list-style:none;margin:0 auto;padding:0;position:relative;z-index:1}@media
screen and (min-width:800px){.page-template-customers .pricing-table ul.tabs{-ms-flex-align:center;align-
items:center;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}}.page-template-
customers .pricing-table ul.tabs:before{border-top:1px solid
#e6e6e6;content:"";position:absolute;top:50%;width:100%;height:1px;left:0;z-index:-1}.page-template-customers
.pricing-table ul.tabs li{border:1px solid #e6e6e6;background:#fff;display:block;font-size:14px;padding:20px
30px;text-align:center;min-width:310px;cursor:pointer}.page-template-customers .pricing-table ul.tabs li
span{display:block;font-size:16px}.page-template-customers .pricing-table .tab-link:first-child{border-radius:5px
5px 0 0;border-bottom:none}.page-template-customers .pricing-table .tab-link:nth-child(2){border-radius:0 0 5px
5px;border-top:none}@media screen and (min-width:800px){.page-template-customers .pricing-table .tab-link:first-
child{border-radius:5px 0 0 5px;border-bottom:1px solid #e6e6e6;border-color:#e6e6e6 currentcolor;border-
right:none}.page-template-customers .pricing-table .tab-link:first-child.current{border-color:#5781e9}.page-
template-customers .pricing-table .tab-link:nth-child(2){border-radius:0 5px 5px 0;border-color:currentcolor

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#e6e6e6 #e6e6e6;border-top:1px solid #e6e6e6;border-left:none }.page-template-customers .pricing-table .tab-
link:nth-child(2).current{ border-color:#5781e9} }.page-template-customers .pricing-table ul.tabs
li.current{ border:1px solid #5781e9;background:#5781e9;color:#fff }.page-template-customers .pricing-table .tab-
content{ display:none;padding:15px }.page-template-customers .pricing-table .tab-
content.current{ display:inherit }.page-template-customers .pricing-table .pricing-check-list{ margin-
bottom:30px;display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;padding:0;-ms-flex-
pack:center;justify-content:center }.page-template-customers .pricing-table .pricing-check-list
.icon.check{ display:inline-block;margin-right:15px;height:15px;width:15px }.page-template-customers .pricing-
table .pricing-check-list ul{ padding:0;text-align:center }.page-template-customers .pricing-table .pricing-check-list
li{ display:block;list-style:none;text-align:center;width:100% } @media screen and (min-width:1000px){ .page-
template-customers .pricing-table .pricing-check-list li{ text-align:left;width:50% } } @media screen and (min-
width:1200px){ .page-template-customers .pricing-table .pricing-check-list li{ text-align:center;width:25% } } @media
screen and (max-width:850px){ .page-template-customers .pricing-table .pricing-check-list li{ margin-
bottom:8px }.page-template-customers .pricing-table .pricing-check-list li+li{ margin-left:0 } }.page-template-
customers .pricing-table .intro-title{ margin:0 auto;padding:30px 0 }.page-template-customers .pricing-table .intro-
title h2{ color:#101040;margin-bottom:30px }.page-template-customers .pricing-table h3{ color:#101040;font-
size:22px!important;font-weight:700 } @media screen and (max-width:850px){ .page-template-customers .pricing-
table h3{ font-size:16px!important } }.page-template-customers .pricing-table h4{ font-size:18px!important;font-
weight:700 } @media screen and (max-width:850px){ .page-template-customers .pricing-table h4{ font-
size:14px!important } }.page-template-customers .pricing-table p{ color:#101040;font-size:16px;line-
height:2 } @media screen and (max-width:850px){ .page-template-customers .pricing-table p{ font-size:12px } }.page-
template-customers .pricing-table .col-sm-4{ background:#fafafa;width:33% }.page-template-customers .pricing-
table .col-sm-4:first-child{ background:#fff;border-bottom:1px solid #e6e6e6;-ms-flex-pack:start;justify-
content:flex-start }.page-template-customers .pricing-table .col-sm-4:first-child h3{ font-size:18px!important }.page-
template-customers .pricing-table .col-sm-4 img{ display:block;margin:0 auto;max-width:100px }.page-template-
customers .pricing-table .pricing-example-container{ border:8px solid #fafafa;border-top:30px solid
#fafafa } @media screen and (min-width:1000px){ .page-template-customers .pricing-table .pricing-example-
container{ display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center } }.page-template-customers
.pricing-table .pricing-example-container .pricing-example{ margin:0 auto;width:95% }.page-template-customers
.pricing-table .pricing-example-container .pricing-example:first-child{ border-bottom:1px solid #979797 } @media
screen and (min-width:1000px){ .page-template-customers .pricing-table .pricing-example-container .pricing-
example{ margin:0;width:50% }.page-template-customers .pricing-table .pricing-example-container .pricing-
example:first-child{ border-bottom:none } }.page-template-customers .pricing-table .pricing-example-container
.pricing-example .cluster{-ms-flex-align:start;align-items:flex-start;-ms-flex-pack:start;justify-content:flex-
start;padding:14px 34px } @media screen and (min-width:1000px){ .page-template-customers .pricing-table .pricing-
example-container .pricing-example .cluster{ min-height:120px } }.page-template-customers .pricing-table .pricing-
example-container .pricing-example .cluster img{ margin-top:12px }.page-template-customers .pricing-table .pricing-
example-container .pricing-example .cluster h3{ font-size:18px!important }.page-template-customers .pricing-table
.pricing-example-container .pricing-example .cluster h4{ font-size:14px!important;padding:0 }.page-template-
customers .pricing-table .pricing-example-container .pricing-example .cluster p{ font-size:14px }.page-template-
customers .pricing-table .pricing-example-container .pricing-example .cluster p span{ font-size:18px }.page-
template-customers .pricing-table .top-row{ border-top:1px solid #e6e6e6 }.page-template-customers .pricing-table
.flex-row{-ms-flex-pack:justify;justify-content:space-between }.page-template-customers .pricing-table .flex-row
.light{ font-weight:400 }.page-template-customers .pricing-table .flex-row div{ width:50% }.page-template-customers
.pricing-table .flex-row div h3,.page-template-customers .pricing-table .flex-row div h4,.page-template-customers
.pricing-table .flex-row div p{ margin:0;padding:0 }.page-template-customers .pricing-table .flex-row div+div{ text-
align:right }.page-template-customers .pricing-table .flex-row.grey-bg{ background-color:#fafafa }.page-template-
customers .pricing-table .darkgrey-bg{ background-color:#eeff4 }.page-template-customers .pricing-table .border-

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bottom{border-bottom:2px solid #e6e6e6}.page-template-customers .pricing-table .push-top{margin-top:65px}.page-template-customers .pricing-table .cluster,.page-template-customers .pricing-table .options,.page-template-customers .pricing-table .title{margin:0 0 6px;padding:27px 34px}.page-template-customers .pricing-table .cluster:first-child,.page-template-customers .pricing-table .options:first-child,.page-template-customers .pricing-table .title:first-child{margin-left:0}.page-template-customers .pricing-table .cluster{-ms-flex-align:center;align-items:center;border-left:0;border-right:0;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}.page-template-customers .pricing-table .cluster img{margin:0 20px 0 0;max-width:35px}.page-template-customers .pricing-table .cluster h3{padding:0}.page-template-customers .pricing-table .cluster p{font-size:16px;margin:0}.page-template-customers .mobile-only,.page-template-customers .mobile-only .row{display:block}.page-template-customers .mobile-only .top-row .title h3{text-align:center}.page-template-customers .mobile-only .top-row .title img{display:block;margin:0 auto}.page-template-customers .mobile-only .cluster{text-align:left;-ms-flex-pack:start;justify-content:flex-start;padding:14px 34px !important}@media screen and (min-width:800px){.page-template-customers .mobile-only{display:none}}.page-template-customers .mobile-only .aws,.page-template-customers .mobile-only .cloud{background:#fafafa;margin:0 auto 30px;max-width:600px;padding:33px 25px}@media screen and (max-width:850px){.page-template-customers .mobile-only .aws .toggle,.page-template-customers .mobile-only .cloud .toggle{font-size:12px}}.page-template-customers .mobile-only .aws h3,.page-template-customers .mobile-only .cloud h3{font-size:18px;padding:0}.page-template-customers .mobile-only .aws h4,.page-template-customers .mobile-only .cloud h4{padding:0;line-height:1}.page-template-customers .mobile-only .aws p,.page-template-customers .mobile-only .cloud h4,.page-template-customers .mobile-only .cloud p{font-size:12px}.page-template-customers .mobile-only .aws>img,.page-template-customers .mobile-only .cloud>img{display:block;margin:0 auto 30px}.page-template-customers .mobile-only .aws>img+.row p,.page-template-customers .mobile-only .cloud>img+.row p{margin-bottom:0}.page-template-customers .mobile-only .col-sm-6{width:50%}.page-template-customers .mobile-only .expand{border-top:2px solid #e6e6e6;display:none;margin-top:20px;padding-top:20px}.page-template-customers .test-table{width:100%}@media screen and (max-width:1000px){.page-template-customers .test-table{display:none}}.page-template-customers .test-table thead td:nth-child(2),.page-template-customers .test-table thead td:nth-child(4){width:30%}.page-template-customers .test-table thead td>div{border:2px solid rgba(142,144,147,.2);border-top-left-radius:25px;border-top-right-radius:25px;border-bottom:0;padding:30px}.page-template-customers .test-table thead td:nth-child(3){width:25px}.page-template-customers .test-table tbody td:nth-child(2)>div,.page-template-customers .test-table tbody td:nth-child(4)>div{border:2px solid rgba(142,144,147,.2);border-bottom:0;border-top:0;padding:15px 30px}.page-template-customers .test-table tbody td:first-child{padding:15px 30px}.page-template-customers .test-table tbody td{vertical-align:top}.page-template-customers .test-table tbody td:nth-child(3){padding:0}.page-template-customers .test-table tbody td p{margin:0;font-size:15px;font-weight:300}.page-template-customers .test-table tbody tr:nth-child(odd){background:#fafafa}.page-template-customers .test-table tfoot td>div{border:2px solid rgba(142,144,147,.2);border-bottom-left-radius:25px;border-bottom-right-radius:25px;border-top:0;padding:30px}.page-template-customers .test-table--mobile{display:none;width:100%}@media screen and (max-width:1000px){.page-template-customers .test-table--mobile{display:table}}.page-template-customers .test-table--mobile thead h4{font-size:18px;font-weight:700;margin:0;padding:0}.page-template-customers .test-table--mobile thead h4+p{font-size:12px;font-weight:300;line-height:18px;margin-top:0;padding-top:0}.page-template-customers .test-table--mobile tbody tr:nth-child(odd){background:#fafafa}.page-template-customers .test-table--mobile tbody td{padding:15px;vertical-align:top}.page-template-customers .test-table--mobile tbody p{margin:0;font-size:16px;font-weight:300}.page-template-customers .test-table--mobile tfoot td{padding:30px 0 60px}.wp .style-module--mainBanner--2fR-k{background-color:#b4e1e4}.wp .page-template-about-rebrand .main_banner{height:100vh;padding:0;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;-ms-flex-align:center;align-items:center;background:url(https://cdn.confluent.io/wp-content/uploads/about_bg_2019.jpg);background-size:cover;background-position:0}.wp .page-template-about-rebrand .main_banner .container h1{font-family:MarkOT;font-size:60px;font-weight:700;color:#fff}.wp .page-

template-about-rebrand .main_banner .container p { width:700px;max-width:90%;margin:0 auto;font-size:21px;font-family:MarkOT;line-height:1.69;color:#fff;font-weight:300 }.wp .page-template-about-rebrand .section.bg_light_grayish_blue { background-color:#fff }.wp .page-template-about-rebrand .section.bg_light_grayish_blue .container h2 { font-family:MarkOT;font-size:14px;font-weight:500;text-transform:uppercase }.wp .page-template-about-rebrand .section.bg_light_grayish_blue .container h2:after { content:"";height:2px;width:40px;background:#257bd7;display:block;margin:-10px auto;position:relative }.wp .page-template-about-rebrand .sub-text { width:708px;text-align:center;max-width:90%;margin:60px auto }.wp .page-template-about-rebrand .sub-text-content { font-family:MarkOT;font-size:48px;font-weight:500;line-height:1.15;color:#000 }.wp .page-template-about-rebrand .background-section-paragraphs { width:826px;font-family:MarkOT;font-size:16px;font-weight:300;line-height:1.88;letter-spacing:normal;text-align:center;color:#101040;margin:auto;max-width:90% }.wp .page-template-about-rebrand #management { background-color:#fafafa }.wp .page-template-about-rebrand .section.team_section h2 { font-family:MarkOT;font-size:48px;font-weight:500;letter-spacing:.7px;text-align:center;color:#000;padding-bottom:30px;padding-top:50px }.wp .page-template-about-rebrand .avatar_wrapper.team-toggle { border:4px solid #fff;box-shadow:0 0 3px rgba(0,0,0,.2);display:inline-block;line-height:0;width:200px;height:200px }.wp .page-template-about-rebrand .br_990 { display:none }.wp .page-template-about-rebrand .bg_linear_blue { background-image:linear-gradient(90deg,#247cd7,#31bfc2) }.wp .page-template-about-rebrand .circular_border_button_white { border-radius:8px;border:2px solid #fff;background-color:#fff;font-family:MarkOT;font-size:14px;font-weight:500;color:#173361;letter-spacing:.5px;text-transform:uppercase }.wp .page-template-about-rebrand .section.bg_orange.bg_linear_blue h2 { font-family:MarkOT;font-size:40px;font-weight:700;line-height:1.13 }.wp .page-template-about-rebrand .name.team-toggle { font-weight:700 }.wp .page-template-about-rebrand .team-member .social a { border-radius:5px;width:22px;height:22px;font-size:13px }.wp .page-template-about-rebrand .social a .fa { font-size:15px }.wp .page-template-about-rebrand .position.team-toggle { font-size:18px;font-weight:300;font-style:normal;font-stretch:normal;line-height:1.78 }.wp .page-template-about-rebrand .col-xs-12.col-sm-6.office { padding:0;min-height:500px;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;-ms-flex-align:center;align-items:center;background-position:bottom;width:calc(50% - 2px) }.wp .page-template-about-rebrand .col-xs-12.col-sm-6.office:first-of-type { margin-right:2px }.wp .page-template-about-rebrand .col-xs-12.col-sm-6.office:last-of-type { margin-left:2px }.wp .page-template-about-rebrand .office_address_container { height:350px;width:376px;opacity:.8;border-radius:8px;background-color:#000;max-width:90%;letter-spacing:.29px;font-weight:100 }.wp .page-template-about-rebrand .office_name { padding:75px 0 25px }.wp .page-template-about-rebrand .office_address,.wp .page-template-about-rebrand .office_phone { font-size:20px }.wp .page-template-about-rebrand .section.team_section { background-color:#fafafa;padding-bottom:130px }.wp .page-template-about-rebrand .section.bg_light_grayish_blue.investors_section h2 { font-family:MarkOT;font-size:48px;font-weight:700;text-transform:capitalize;letter-spacing:.7px;padding:0;margin:0 }.wp .page-template-about-rebrand .section.bg_light_grayish_blue.investors_section .container { max-width:90% }.wp .page-template-about-rebrand .items.widthcol5.teams { margin-bottom:0 }.wp .page-template-about-rebrand .section.bg_light_grayish_blue.investors_section h2:after { display:none }.wp .page-template-about-rebrand .line-container { position:absolute;bottom:0;width:100% }.wp .page-template-about-rebrand .line-container .line { height:2px;display:block;border:1px solid #d3d3d3;margin:auto;width:1140px;max-width:90% }.wp .page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section { background-image:none!important;background-color:#fff!important;padding-top:150px!important }.wp .page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section .container { width:1170px;max-width:90%;padding:0 }.wp .page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section h2 { font-size:48px;font-weight:700;letter-spacing:.7px;color:#000;margin-bottom:100px;padding-top:0 }.wp .page-template-about-rebrand .additional_resources_section .item { box-shadow:0 0 15px 0 rgba(0,0,0,.25);border-top:12px solid #4698cb;transition:all .2s ease;padding:28px 25px 3px;border-bottom-left-radius:8px;border-bottom-right-radius:8px }.wp .page-template-about-rebrand .additional_resources_section .item:hover { background-color:#fff;box-

shadow:2px 20px 20px 0 rgba(0,0,0,.25)}.wp .page-template-about-rebrand
.bg_vary_dark_blue.additional_resources_section.section .items_control{width:calc(33.33% - 75px);margin:0
37.5px;padding:20px 0;text-align:left}.wp .page-template-about-rebrand .additional_resources_section .item:hover
img.cta_icon{display:inline}.wp .page-template-about-rebrand .additional_resources_section .item:hover
img.cta_icon_hover{display:none}.wp .page-template-about-rebrand .additional_resources_section .item:hover
h3,.wp .page-template-about-rebrand .additional_resources_section .item:hover p{color:#4698cb}.wp .page-template-
about-rebrand .additional_resources_section .item h3{font-family:MarkOT;font-size:24px;font-weight:700;line-
height:1.58;letter-spacing:.7px;color:#4698cb}.wp .page-template-about-rebrand .additional_resources_section
.item:hover h3,.wp .page-template-about-rebrand .additional_resources_section .item:hover p{color:#000}.wp .page-
template-about-rebrand .section.section .items.teams li{display:-ms-flexbox;display:flex;-ms-flex-
pack:center;justify-content:center}.wp .page-template-about-rebrand .additional_resources_section .item p{margin-
bottom:50px}.wp .page-template-about-rebrand .cta_icon{margin-left:-10px!important;margin-bottom:23px}.wp
.page-template-about-rebrand .want_to_learn_p_mh{font-family:MarkOT;font-size:16px;font-weight:300;line-
height:1.63;letter-spacing:.2px;color:#4a4a4a}.wp .page-template-about-rebrand .additional_resources_section
.item:hover h3{color:#4698cb}.wp .page-template-about-rebrand
.bg_vary_dark_blue.additional_resources_section.section .col-xxs-12.col-xs-6.col-sm-6.col-md-
4.items_control{height:auto!important;padding:0}.wp .page-template-about-rebrand
.bg_vary_dark_blue.additional_resources_section.section .col-xxs-12.col-xs-6.col-sm-6.col-md-4.items_control
a{background-color:#f16f45;color:#fff;opacity:1;margin-bottom:30px}.wp .page-template-about-rebrand .top-level-
directors{display:-ms-flexbox;display:flex;width:100%}@media (min-width:990px){.wp .page-template-about-
rebrand .top-level-directors{-ms-flex-pack:center;justify-content:center}.wp .page-template-about-rebrand
.bg_vary_dark_blue.additional_resources_section.section .container .row,.wp .page-template-about-rebrand
.items.widthcol5.teams{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between}.wp
.page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section .items_control:first-of-
type{margin-left:0}.wp .page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section
.items_control:last-of-type{margin-right:0}@media (max-width:768px){.wp .page-template-about-rebrand
h2{line-height:1.3}.wp .page-template-about-rebrand .section.bg_light_grayish_blue .container h2:after{margin:0
auto}.wp .page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section
.container{width:100%}.wp .page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section
.row{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;-ms-flex-align:center;align-
items:center;-ms-flex-direction:column;flex-direction:column;width:80%;margin:auto}.wp .page-template-about-
rebrand .items_control{width:100%;margin:0}.wp .page-template-about-rebrand
.bg_vary_dark_blue.additional_resources_section.section .items_control{width:100%;height:auto}.wp .page-
template-about-rebrand .additional_resources_section .item a{margin-bottom:30px}.wp .page-template-about-rebrand
.col-xs-12.col-sm-6.office{width:100%}.wp .page-template-about-rebrand .col-xs-12.col-sm-6.office:first-of-
type{margin-right:0}.wp .page-template-about-rebrand .col-xs-12.col-sm-6.office:last-of-type{margin-left:0}.wp
.page-template-about-rebrand .row.bod-list .col-xxs-12.col-xs-6.col-sm-6.col-md-4.team-member{width:50%}.wp
.page-template-about-rebrand .bg_vary_dark_blue.additional_resources_section.section .items_control:not(:last-of-
type){margin-bottom:30px}.wp .page-template-about-rebrand .section.bg_light_grayish_blue.investors_section
li{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;-ms-flex-align:center;align-
items:center}.wp .page-template-about-rebrand .section.bg_light_grayish_blue.investors_section li:nth-
child(odd){padding:20px 7px 20px 15px}.wp .page-template-about-rebrand
.section.bg_light_grayish_blue.investors_section li:nth-child(2n){padding:20px 15px 20px 7px}.wp .page-template-
about-rebrand .main_banner .container p{max-width:80%;margin:auto}.style-module--modalVisible--
2JxA1{overflow:hidden}.confluent-cloud-promo-disclaimer-module--wrapper--2AnZS{padding-
top:80px;width:800px;max-width:90%;margin:0 auto 50px;text-align:left}.confluent-cloud-promo-disclaimer-
module--wrapper--2AnZS h1{font-size:31px;font-weight:700;width:70%;text-align:center;margin:50px auto;line-
height:125%;text-transform:uppercase}@media screen and (min-width:768px){.confluent-cloud-promo-disclaimer-

module--wrapper--2AnZS h1 {font-size:38px} .confluent-cloud-promo-disclaimer-module--wrapper--2AnZS p {font-weight:300;line-height:175%;font-size:18px} .covid-relief-module--offeringSection--34r6_ {text-align:center} .covid-relief-module--offeringSection--34r6_ h2 {width:900px;max-width:95%;color:#173361;margin:auto auto 40px} .covid-relief-module--offeringSection--34r6_ .covid-relief-module--confluentOfferingSummary--31Iue {font-size:16px;margin-bottom:50px;color:#173361} .covid-relief-module--offeringSection--34r6_ p {width:800px;max-width:95%;margin:25px auto} @media screen and (min-width:768px) { .covid-relief-module--offeringSection--34r6_ .covid-relief-module--confluentOfferingSections--1wWnO {display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between} } .covid-relief-module--offeringSection--34r6_ .covid-relief-module--confluentOfferingSections--1wWnO .covid-relief-module--offeringCopy--2yt09 {text-align:left} @media screen and (min-width:768px) { .covid-relief-module--offeringSection--34r6_ .covid-relief-module--confluentOfferingSections--1wWnO .covid-relief-module--offeringCopy--2yt09 {max-width:48%;-ms-flex:1 1;flex:1 1} } .covid-relief-module--offeringButton--2pwMm {margin-top:50px} .covid-relief-module--cardWrapper--DUVnd {border-radius:8px;border:2px solid rgba(130,148,148,.25);padding:25px;width:800px;max-width:95%;margin:0 auto 10px} .covid-relief-module--cardWrapper--DUVnd h4 {color:#173361;font-weight:700} @media screen and (max-width:991px) { .style-module--hero--1FU4d .container { -ms-flex-direction:column-reverse;flex-direction:column-reverse;height:auto;min-height:400px} } @media screen and (max-width:991px) { .style-module--hero--1FU4d .container .style-module--content--3wHkp {text-align:center} } @media screen and (min-width:992px) { .style-module--hero--1FU4d .container .style-module--content--3wHkp {width:100%} } .style-module--hero--1FU4d .container .style-module--imageContainer--2XT8f img {border:15px solid #fff;border-radius:5px;max-width:380px} .style-module--card--3Yp_S {margin:40px 0;background:#fff} .style-module--card--3Yp_S h3 {font-size:18px;font-weight:700;color:rgba(0,0,0,.85);margin:0 0 20px} .style-module--card--3Yp_S .container {display:-ms-flexbox;display:flex;box-shadow:0 3px 31px 0 rgba(57,84,109,.14);padding:25px;width:100%} @media screen and (max-width:991px) { .style-module--card--3Yp_S .container { -ms-flex-direction:column;flex-direction:column} } .style-module--card--3Yp_S .container .style-module--right--3X6O9 { -ms-flex-direction:row-reverse;flex-direction:row-reverse} @media screen and (max-width:991px) { .style-module--card--3Yp_S .container .style-module--right--3X6O9 { -ms-flex-direction:column-reverse;flex-direction:column-reverse} } .style-module--card--3Yp_S .style-module--description--1v6zY {font-size:14px;font-weight:300;line-height:1.79;color:rgba(0,0,0,.85)} .style-module--card--3Yp_S .style-module--textContainer--38irh {margin:20px;-ms-flex:2 1;flex:2 1;width:100%} .style-module--card--3Yp_S .style-module--textContainer--38irh pre {overflow:scroll} .style-module--card--3Yp_S .style-module--imageContainer--2i_kX { -ms-flex:1 1;flex:1 1} .style-module--card--3Yp_S .style-module--left--RafmO .style-module--imageContainer--2i_kX {margin-left:80px} .style-module--card--3Yp_S .style-module--right--3X6O9 .style-module--imageContainer--2i_kX {margin-right:80px} .style-module--card--3Yp_S .style-module--left--RafmO .style-module--imageContainer--2i_kX,.style-module--card--3Yp_S .style-module--right--3X6O9 .style-module--imageContainer--2i_kX {max-width:465px;min-width:200px;text-align:center} @media screen and (max-width:991px) { .style-module--card--3Yp_S .style-module--left--RafmO .style-module--imageContainer--2i_kX,.style-module--card--3Yp_S .style-module--right--3X6O9 .style-module--imageContainer--2i_kX {margin:0 auto} } .style-module--cardContainer--TkI1J {display:block} .style-module--cardContainer--TkI1J h2 {margin-bottom:40px} .style-module--cardContainer--TkI1J .style-module--description--1eWt {font-size:14px;font-weight:300;line-height:1.79;color:rgba(0,0,0,.85);text-align:center;margin-bottom:100px} .style-module--group--2btFr .style-module--cards--3S_hd {box-shadow:0 3px 31px 0 rgba(57,84,109,.14);padding:25px;background:#fff} .style-module--group--2btFr .style-module--cards--3S_hd>div {margin:0} .style-module--group--2btFr .style-module--cards--3S_hd>div>div {box-shadow:none;padding:25px 0;border-bottom:1px solid rgba(0,0,0,.1)} .style-module--group--2btFr .style-module--cards--3S_hd>div:first-of-type>div {padding-top:0} .style-module--group--2btFr .style-module--cards--3S_hd>div:last-of-type>div {padding-bottom:0;border-bottom:0} .style-module--faq--2lnMY h2 {color:#173361;font-size:28px;font-weight:500;margin-bottom:90px;text-align:center} @media screen and (max-width:767px) { .style-module--faq--2lnMY h2 {font-size:21px} } .style-module--faq--2lnMY .style-module--list--

2VXxQ{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-wrap:wrap;flex-wrap:wrap}.style-module--faq--2lnMY .style-module--list--2VXxQ>div{width:48%}@media screen and (max-width:767px){.style-module--faq--2lnMY .style-module--list--2VXxQ>div{width:100%}}.style-module--faq--2lnMY .style-module--list--2VXxQ .style-module--item--3p8Bv{margin-bottom:30px}.style-module--faq--2lnMY .style-module--list--2VXxQ .style-module--item--3p8Bv h3{margin:0 0 20px;font-size:18px;font-weight:700;color:rgba(0,0,0,.85)}.style-module--faq--2lnMY .style-module--list--2VXxQ .style-module--item--3p8Bv p{text-align:justify;font-size:14px;font-weight:300;line-height:1.79;color:rgba(0,0,0,.85);margin:0}.style-module--textCta--3ZsDH .style-module--title--2a9FF{margin-bottom:90px}.style-module--textCta--3ZsDH .style-module--content--1zhSd{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-wrap:wrap;flex-wrap:wrap}.style-module--textCta--3ZsDH .style-module--content--1zhSd>div{width:48%}@media screen and (max-width:767px){.style-module--textCta--3ZsDH .style-module--content--1zhSd>div{width:100%;margin:30px 0}.style-module--textCta--3ZsDH .style-module--content--1zhSd>div:first-child{margin-top:0}}.style-module--textCta--3ZsDH .style-module--content--1zhSd>div h3{color:rgba(0,0,0,.85);font-size:28px;font-weight:300;margin:0 0 30px;line-height:1.2}.style-module--textCta--3ZsDH .style-module--content--1zhSd>div .list-links{margin:0;padding:0;list-style:none;list-style-position:inside;line-height:1.86}@media screen and (max-width:767px){.style-module--textCta--3ZsDH .style-module--content--1zhSd>div .list-links{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between;width:100%}}@media screen and (max-width:767px){.style-module--textCta--3ZsDH .style-module--content--1zhSd>div .list-links li{width:48%}}@media screen and (max-width:575px){.style-module--textCta--3ZsDH .style-module--content--1zhSd>div .list-links li{width:100%}}.style-module--textCta--3ZsDH .style-module--content--1zhSd>div .list-links li:before{content:"|2022";color:#257bd7;font-weight:700;display:inline-block;width:1em;margin-right:5px;vertical-align:middle}.style-module--textCta--3ZsDH .style-module--content--1zhSd>div .list-links li a{color:#257bd7;font-size:14px}.style-module--textCta--3ZsDH .style-module--content--1zhSd>div .faq h3{color:rgba(0,0,0,.85);font-size:18px;font-weight:700;margin:30px 0 20px}.style-module--textCta--3ZsDH .style-module--content--1zhSd>div .faq p{color:rgba(0,0,0,.85);font-size:14px;font-weight:300;line-height:1.79}.style-module--html--hxBKt .cta-container{text-align:center}.style-module--html--hxBKt .cta-container a{transition:all .5s ease-in-out;transition:all .5s cubic-bezier(.785,.135,.15,.86);border-radius:6px;display:inline-block;font-size:12px;letter-spacing:.9px;line-height:1.5;padding:12px 30px;text-align:center;text-decoration:none;text-transform:uppercase;background-color:#38cccd;border:1px solid #38cccd;color:#fff;font-weight:700;max-width:300px;width:90%}.style-module--html--hxBKt .cta-container a:hover{cursor:pointer;text-decoration:none}.style-module--layout--1T_e6{background:#f3f4f7}.style-module--layout--1T_e6 .style-module--content--3E83u>div{background:none}.style-module--layout--1T_e6 .style-module--content--3E83u>div>div{padding:90px 0}.style-module--layout--1T_e6 .style-module--content--3E83u>div:nth-child(2)>div{padding-top:0}.style-module--layout--1T_e6 .style-module--content--3E83u>div:nth-child(odd){background:#fff}.style-module--layout--1T_e6 .style-module--content--3E83u ol+p,.style-module--layout--1T_e6 .style-module--content--3E83u p+p,.style-module--layout--1T_e6 .style-module--content--3E83u ul+p{margin-top:15px}.style-module--label--1wBOP{position:relative}.style-module--checkbox--4RNxb{position:absolute;top:0;left:0;height:25px;width:25px;border:1.1px solid #e3e4e5;transition:all .2s ease-in-out;background:#fff;border-radius:4px}.style-module--checkbox--4RNxb:after{content:"";position:absolute;display:none;background-color:#173361;width:100%;height:100%;border-radius:4px}.style-module--input--mBEsz{width:auto}.style-module--input--mBEsz:checked+.style-module--checkbox--4RNxb:after{display:block}.style-module--popup--1HA66{opacity:0;position:fixed;top:100%;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%);transition:all .25s ease-in-out;background:#fff;width:100%;z-index:9999;border-radius:8px;padding:25px;max-width:475px;max-height:80%;overflow-y:scroll}.style-module--popup--1HA66.style-module--active--3SoXb{opacity:1;top:50%;-ms-transform:translate(-50%,-50%);transform:translate(-50%,-50%)}.style-module--popup--1HA66 label{display:none}.style-module--popup--1HA66 form{font-

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family:inherit!important;font-size:16px!important;width:100%!important;display:-ms-
flexbox!important;display:flex!important;-ms-flex-direction:column;flex-direction:column}.style-module--popup--
1HA66 form input[type=email],.style-module--popup--1HA66 form input[type=tel],.style-module--popup--1HA66
form input[type=text]{background-color:#fff;border:2px solid rgba(130,148,148,.25);border-
radius:4px;width:100%!important;margin-bottom:5px;color:#000;font-size:14px;font-weight:300;line-
height:1.2;padding:10px;box-shadow:none}.style-module--popup--1HA66 form input[type=email]::-webkit-input-
placeholder,.style-module--popup--1HA66 form input[type=tel]::-webkit-input-placeholder,.style-module--popup--
1HA66 form input[type=text]::-webkit-input-placeholder{color:#829494}.style-module--popup--1HA66 form
input[type=email]::-moz-placeholder,.style-module--popup--1HA66 form input[type=tel]::-moz-placeholder,.style-
module--popup--1HA66 form input[type=text]::-moz-placeholder{color:#829494}.style-module--popup--1HA66
form input[type=email]:-ms-input-placeholder,.style-module--popup--1HA66 form input[type=tel]:-ms-input-
placeholder,.style-module--popup--1HA66 form input[type=text]:-ms-input-placeholder{color:#829494}.style-
module--popup--1HA66 form input[type=email]::placeholder,.style-module--popup--1HA66 form
input[type=tel]::placeholder,.style-module--popup--1HA66 form
input[type=text]::placeholder{color:#829494}.style-module--popup--1HA66 form
input[type=checkbox]{border:1px solid #173361;border-radius:2px;-webkit-appearance:none;-moz-
appearance:none;appearance:none;height:14px;width:14px;outline:0}.style-module--popup--1HA66 form
input[type=checkbox]:checked{background:#173361}.style-module--popup--1HA66 form
input[type=checkbox]+label{color:#000;font-size:12px;font-weight:300;margin-bottom:15px;margin-
left:25px}.style-module--popup--1HA66 form input[type=checkbox]+label:last-child{margin-bottom:0}.style-
module--popup--1HA66 form .mktoLabel{color:#000;font-size:12px;font-
weight:300!important;margin:0;padding:0}.style-module--popup--1HA66 form .mktoLabel a{text-
decoration:underline}.style-module--popup--1HA66 form
select.mktoField{outline:0;width:100%!important;padding:7px 10px!important;background:#fff;border:2px solid
rgba(130,148,148,.25)!important;color:#829494;font-size:14px!important;font-weight:300;height:40px;-webkit-
appearance:none;-moz-appearance:none;appearance:none;background-
image:url(https://cdn.confluent.io/images/arrow-down-blue.png);background-position:calc(100% - 10px)
50%;background-repeat:no-repeat;box-shadow:none}.style-module--popup--1HA66 form .mktoFormCol{min-
height:unset!important;width:100%}.style-module--popup--1HA66 form .mktoAsterix,.style-module--popup--
1HA66 form .mktoClear,.style-module--popup--1HA66 form .mktoError,.style-module--popup--1HA66 form
.mktoGutter,.style-module--popup--1HA66 form .mktoOffset{display:none!important}.style-module--popup--
1HA66 form .mktoFieldWrap{width:100%}.style-module--popup--1HA66 form
.mktoFieldWrap>div{padding:0;width:100%!important}.style-module--popup--1HA66 form .mktoFieldWrap
.mktoCheckboxList{padding:20px 0}.style-module--popup--1HA66 form .mktoFieldWrap
.mktoHtmlText{color:#829494;font-size:10px;font-weight:300;line-height:2}.style-module--popup--1HA66 form
.mktoFieldWrap .mktoHtmlText br{display:none}.style-module--popup--1HA66 form .mktoFieldWrap
.mktoInvalid{border:2px solid #d8365d!important}.style-module--popup--1HA66 form .mktoFieldWrap
.mktoInvalid.mktoCheckboxList{border:1px solid #d8365d}.style-module--popup--1HA66 form
.mktoButtonRow{margin:20px 0;width:100%;text-align:center}.style-module--popup--1HA66 form
.mktoButtonRow .mktoButtonWrap{margin:0!important}.style-module--popup--1HA66 form .mktoButtonRow
.mktoButtonWrap .mktoButton,.style-module--popup--1HA66 form .mktoButtonRow
.mktoButtonWrap.mktoSimple .mktoButton{transition:all .5s ease-in-out;transition:all .5s cubic-
bezier(.785,.135,.15,.86);border-radius:6px;display:inline-block;font-size:12px;font-weight:700;letter-
spacing:.9px;line-height:1.5;padding:12px 30px;text-align:center;text-decoration:none;text-
transform:uppercase;background-color:#173361;border:1px solid #173361;color:#fff;background-image:none;box-
shadow:none}.style-module--popup--1HA66 form .mktoButtonRow .mktoButtonWrap .mktoButton: hover,.style-
module--popup--1HA66 form .mktoButtonRow .mktoButtonWrap.mktoSimple
.mktoButton: hover{cursor:pointer;text-decoration:none;background:#0074a2;border-color:#0074a2}.style-module--

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popup--1HA66 .style-module--title--3jrsZ,.style-module--popup--1HA66 h4{ color:#173361;font-size:18px;font-weight:700;text-align:center;margin:0 0 25px }.style-module--popup--1HA66 .style-module--title--3jrsZ br,.style-module--popup--1HA66 h4 br{ display:none }.style-module--popup--1HA66 .style-module--thankyou--3gN4F{ color:#173361;font-size:28px;font-weight:700;text-align:center }#mktoForm_4261 .mktoFormRow:first-of-type{ -ms-flex-order:1;order:1 }.style-module--formWrapper--3Qo2L{ width:800px;margin:auto;max-width:95% }.style-module--formWrapper--3Qo2L .style-module--wrapper--1-KWg{ display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column }.style-module--formWrapper--3Qo2L .style-module--wrapper--1-KWg .style-module--checkBoxSpan--Wfipq{ width:22px;height:22px }.style-module--formWrapper--3Qo2L .style-module--inputFieldWrapper--3MFi-.style-module--formWrapper--3Qo2L button div{ text-align:center }.style-module--formWrapper--3Qo2L .style-module--inputFieldWrapper--3MFi{ padding:10px;background-color:rgba(130,148,148,.25);border-radius:4px }.style-module--formWrapper--3Qo2L .style-module--label--3wd4p{ padding-left:10px }.style-module--formWrapper--3Qo2L .style-module--thankYou--3K4Q8{ text-align:center }.style-module--confirmation--3GwEz{ margin:100px 0 150px }.style-module--confirmation--3GwEz h4{ margin-bottom:10px }.style-module--confirmation--3GwEz img{ width:40px;margin-bottom:10px }.style-module--confirmation--3GwEz p{ color:#0074a2;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0 }.style-module--agreeTellMore--1XsxA{ position:relative }.style-module--agreeTellMore--1XsxA .style-module--errorMessage--zEZeL{ position:absolute;top:0;background:#f8d7da;width:100%;z-index:1;border:1px solid #d8365d;padding:20px;text-align:center;border-radius:4px;font-size:13px;color:#d8365d;opacity:0;visibility:hidden;transition:all .3s ease-in-out }.style-module--agreeTellMore--1XsxA .style-module--errorMessage--zEZeL:first-of-type{ font-weight:700;font-size:15px }.style-module--agreeTellMore--1XsxA .style-module--errorMessage--zEZeL.style-module--show--1arAG{ opacity:1;visibility:visible }.style-module--us--6zV9S .style-module--tos--31nfQ{ display:none }.style-module--tos--1ShSb{ font-size:11px;font-weight:300;color:#829494;margin-top:25px;line-height:21px }.style-module--tosUS--30ljb,.style-module--us--2VtUI .style-module--tos--1ShSb{ display:none }.style-module--us--2VtUI .style-module--tosUS--30ljb{ display:block }.style-module--confirmation--KDDmz{ margin:100px 0 150px }.style-module--confirmation--KDDmz h4{ margin-bottom:10px }.style-module--confirmation--KDDmz img{ width:40px;margin-bottom:10px }.style-module--confirmation--KDDmz>p{ color:#0074a2;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;margin-top:25px }.style-module--confirmation--KDDmz>p a{ text-decoration:underline }.style-module--cardContainer--3lwMG{ margin-top:50px }.style-module--cardContainer--3lwMG .style-module--card--LeUB9{ background:#e6f5fb;padding:25px 10px }.style-module--cardContainer--3lwMG .style-module--card--LeUB9 h3{ font-size:14px;font-weight:700 }.style-module--us--3qmiT .style-module--tos--GbbpQ{ display:none }.style-module--tos--2V0no{ font-size:11px;font-weight:300;color:#829494;margin-top:25px;line-height:21px }.style-module--tosUS--PyizL,.style-module--us--2bsmN .style-module--tos--2V0no{ display:none }.style-module--us--2bsmN .style-module--tosUS--PyizL{ display:block }.style-module--tos--3mMRP{ font-size:11px;font-weight:300;color:#829494;margin-top:25px;line-height:21px }.compare-module--heroSection--jsMPY{ padding-bottom:220px }.compare-module--heroSection--jsMPY .compare-module--content--3J24J{ width:auto!important }.compare-module--heroSection--jsMPY .compare-module--content--3J24J p{ color:#173361;font-size:24px;margin-top:15px!important }.compare-module--heroSection--jsMPY .compare-module--content--3J24J p a{ color:#38cccd }.compare-module--heroSection--jsMPY .compare-module--content--3J24J p+p{ font-size:14px;margin-top:30px!important }.compare-module--contentSection--Idew_{ padding-top:0;padding-bottom:0 }.compare-module--contentSection--Idew_>div{ position:relative;top:-290px }@media screen and (max-width:767px){.compare-module--contentSection--Idew_>div{ top:-240px }}.compare-module--customList--330aP{ margin:0;padding:0;list-style:none }.compare-module--customList--330aP li{ display:inline-block }.compare-module--customList--330aP li+li{ margin-left:15px }.compare-module--card--1U3nw{ display:-ms-flexbox;display:flex;box-shadow:0 30px 60px -30px rgba(0,0,0,.06),0 50px 100px -20px rgba(69,107,122,.24);border-radius:4px;max-width:900px;margin:0 auto }@media screen and (max-width:767px){.compare-module--card--1U3nw{-ms-flex-direction:column;flex-direction:column }}.compare-

module--card--1U3nw+.compare-module--card--1U3nw{margin-top:60px}.compare-module--card--1U3nw.compare-module--hide--rBHxL{display:none}.compare-module--leftColumn--1lpXq{background:#fff;width:60%;padding:50px 75px}@media screen and (max-width:767px){.compare-module--leftColumn--1lpXq{padding:35px;width:100%}}.compare-module--leftColumn--1lpXq h2{color:#173361;font-size:40px;font-weight:500;margin:0 0 10px}@media screen and (max-width:767px){.compare-module--leftColumn--1lpXq h2{font-size:24px}}.compare-module--leftColumn--1lpXq a{color:#38cccd}.compare-module--rightColumn--1YbBG{background:#f5f5f5;-ms-flex:1 1;flex:1 1;padding:50px}@media screen and (max-width:767px){.compare-module--rightColumn--1YbBG{padding:35px}}.compare-module--rightColumn--1YbBG h3{color:#173361;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;font-weight:700}.compare-module--rightColumn--1YbBG .compare-module--cloudProvider--O3phl{border-bottom:2px solid rgba(130,148,148,.25);margin-bottom:85px;padding-bottom:35px}.compare-module--rightColumn--1YbBG .compare-module--cloudProvider--O3phl h3{margin:0}.compare-module--rightColumn--1YbBG .compare-module--cloudProvider--O3phl .compare-module--customList--330aP{display:-ms-flexbox;display:flex;margin:25px 0 10px}.compare-module--rightColumn--1YbBG .compare-module--feature--1SBsN{padding:0}.compare-module--rightColumn--1YbBG .compare-module--feature--1SBsN h3{font-size:15px;line-height:21px}.compare-module--rightColumn--1YbBG .compare-module--feature--1SBsN+.compare-module--feature--1SBsN{margin-top:40px}.compare-module--rightColumn--1YbBG .compare-module--featureBlurb--36n_N{margin-top:5px}.compare-module--rightColumn--1YbBG .compare-module--featureBlurb--36n_N p{color:#0074a2;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;font-size:14px;line-height:21px;margin:0}.compare-module--form--3C4lg{margin-top:25px}.compare-module--form--3C4lg h4{color:#173361;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;font-weight:700;margin:0 0 25px}.compare-module--form--3C4lg .compare-module--title--16y3G:before{content:"";background:#38cccd;width:30px;display:block;height:4px;border-radius:20px;margin-bottom:10px}.compare-module--form--3C4lg button{width:100%}.compare-module--form--3C4lg .compare-module--formConfluentCloud--3p_Qj>*,.compare-module--form--3C4lg .compare-module--formConfluentPlatform--1GPOM>*,.compare-module--form--3C4lg .compare-module--formConfluentPlatformCommunity--3voiH>*{margin-bottom:10px}.compare-module--form--3C4lg .compare-module--formConfluentCloud--3p_Qj>:last-child,.compare-module--form--3C4lg .compare-module--formConfluentPlatform--1GPOM>:last-child,.compare-module--form--3C4lg .compare-module--formConfluentPlatformCommunity--3voiH>:last-child{margin-bottom:0}.compare-module--footer--3Qjxv{margin-top:10px}.compare-module--footer--3Qjxv .compare-module--existingAccount--2h1CU{text-align:center;font-size:13px;font-weight:500;color:#504f6c}.compare-module--footer--3Qjxv .compare-module--additionalInformation--1uuzb{margin:35px 0 0;display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap}.compare-module--footer--3Qjxv .compare-module--additionalInformation--1uuzb p{color:#173361;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;font-weight:700;margin-right:15px;width:200px}.compare-module--footer--3Qjxv .compare-module--additionalInformation--1uuzb ul{width:150px}.compare-module--blurb--1ZA6n{color:#504f6c;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}.compare-module--cpCommunity--2GCVu .compare-module--leftColumn--1lpXq{width:100%}.style-module--switch--13P_i{position:relative;display:inline-block;width:60px;height:34px;margin-right:15px!important;margin-top:30px!important;margin-bottom:30px!important;min-width:60px}.style-module--switchInput--2NPF7{opacity:0;width:0;height:0}.style-module--slider--3eAa2{position:absolute;cursor:pointer;top:0;left:0;right:0;bottom:0;background-color:rgba(142,144,147,.15);transition:.4s}.style-module--slider--3eAa2:before{position:absolute;content:"";height:26px;width:26px;left:4px;bottom:4px;background-color:#fff;box-shadow:1px 1px 3px 0 rgba(0,0,0,.25);transition:.4s}input:checked+.style-module--slider--3eAa2:before{background-color:#4698cb;-ms-transform:translateX(26px);transform:translateX(26px)}.style-module--round--Gt-XR{border-radius:34px}.style-module--slider--3eAa2.style-module--round--Gt-XR:before{border-radius:50%}.style-module--toggleWrapper--u8bXz{display:-ms-flexbox;display:flex;-ms-flex-

align:center;align-items:center}.style-module--error--AAShr{border:1px solid #8c0005}.wp .email-preferences-page .container{padding-left:21px;padding-right:25px}.wp .email-preferences-page .section__preference-center-header .title{font-family:MarkOT;font-size:36px;font-weight:700;font-style:normal;font-stretch:normal;line-height:1.45;letter-spacing:normal;text-align:left;color:#003b49;padding-top:8px;padding-bottom:36px}.wp .email-preferences-page .section__preference-center-header .sub_title{font-family:MarkOT;font-size:16px!important;font-weight:400;font-style:normal;font-stretch:normal;line-height:2!important;letter-spacing:2px;text-align:left;color:#173361;padding-top:89px}.wp .email-preferences-page .section__preference_center form.mktoForm select.mktoField{background-color:#fff!important}.wp .email-preferences-page .section__preference_center .mktoForm .mktoFormRow{display:inline-block;width:40.6%;clear:inherit;background:#fff;margin-bottom:50px!important}.wp .email-preferences-page .mktoForm .mktoLabel{padding-top:0!important}.wp .email-preferences-page form.mktoForm .mktoFormRow{background-color:#fff}.wp .email-preferences-page form.mktoForm .mktoRequiredField label.mktoLabel,.wp .email-preferences-page form.mktoForm label.mktoLabel{font-family:MarkOT;font-size:12px;font-weight:400;font-style:normal;font-stretch:normal;line-height:2.67;letter-spacing:2px;text-align:left;color:#4a4a4a;text-transform:uppercase}.wp .email-preferences-page form.mktoForm input.mktoField,.wp .email-preferences-page form.mktoForm select.mktoField,.wp .email-preferences-page form.mktoForm textarea.mktoField{height:48px;font-family:MarkOT;font-size:16px;font-weight:300;font-style:normal;font-stretch:normal;line-height:2!important;letter-spacing:.2px;text-align:left;color:#4a4a4a;padding:8px 12px!important;border:1px solid #a7a7a8!important;background-color:#fff;border-radius:2px}.wp .email-preferences-page form.mktoForm .mktoRequiredField label.mktoLabel[for=Email]:after{left:125px}.wp .email-preferences-page form.mktoForm .mktoRequiredField label.mktoLabel[for=Country]:after{left:185px}.wp .email-preferences-page form.mktoForm .mktoRequiredField label.mktoLabel:after{content:"*";font-size:12px;color:#173361;position:absolute;left:95px}.wp .email-preferences-page hr{height:5px;background-color:#000;opacity:.06;margin-top:75px;margin-right:28px}.wp .email-preferences-page .subscription_sub_title,.wp .email-preferences-page .subscription_title{color:#4a4a4a;font-family:MarkOT;font-style:normal;font-stretch:normal;text-align:left}.wp .email-preferences-page .subscription_title{font-size:24px;font-weight:700;line-height:1.58;letter-spacing:.7px;padding-top:0}.wp .email-preferences-page .subscription_sub_title{height:92px;font-size:16px;font-weight:300;line-height:2;letter-spacing:.2px}.wp .email-preferences-page .marketo_video_title{font-family:MarkOT;font-size:36px;font-weight:700;font-style:normal;font-stretch:normal;line-height:1.45;letter-spacing:normal;text-align:left;color:#003b49;padding-bottom:90px;text-align:center;padding-top:15px}.wp .email-preferences-page .mktoForm div .marketo_video_container{padding-top:85px}.wp .email-preferences-page .video_container{position:relative;background-repeat:no-repeat;background-size:contain;background-position:50%;margin:auto;border-radius:15px}.wp .email-preferences-page .gdpr-video{display:block;margin-bottom:90px!important;margin-left:96px!important;margin-right:auto!important;border:0;height:auto;outline:0;width:83.5%}.wp .email-preferences-page .gdpr-video a.play_btn{background-image:url(https://cdn.confluent.io/wp-content/themes/confluent/assets/images/video-button-585.png)!important;background-size:contain!important;position:absolute;content:"play";display:block;width:68px;height:82px;text-align:left;text-indent:-9999px;background-repeat:no-repeat;top:70%;left:46%;margin-top:-41px;margin-left:-34px}.wp .email-preferences-page #subscriptionBlogs,.wp .email-preferences-page #subscriptionEducational,.wp .email-preferences-page #subscriptionEvents,.wp .email-preferences-page #subscriptionNewsletter,.wp .email-preferences-page #subscriptionProductUpdates,.wp .email-preferences-page #Unsubscribed,.wp .email-preferences-page form.mktoForm input#subscriptionWebinars{height:0}.wp .email-preferences-page .section__preference_center form.mktoForm .mktoButtonWrap.mktoRound .mktoButton{width:168px;height:48px;border-radius:100px;background-color:#4698cb;transition:all .3s ease;float:left;margin-bottom:120px}.wp .email-preferences-page .UnsubscribedReason--hide{display:none!important}.wp .email-preferences-page form.mktoForm .mktoFormRow .mktoFormCol:first-child:nth-last-child(3){width:15%;float:left}.wp .email-preferences-page form.mktoForm .mktoFormRow .mktoFormCol:first-child:nth-last-child(3)+.mktoFormCol{width:58%}.wp .email-

preferences-page form.mktoForm .mktoFormRow .mktoFormCol:first-child:nth-last-child(3)+.mktoFormCol
 strong{display:block;margin-top:6px;position:relative}.wp .email-preferences-page [for=Unsubscribed]:after,.wp
 .email-preferences-page [for=UnsubscribedReason]:after{content:"";display:none!important}.wp .email-
 preferences-page .switch{position:relative;display:inline-block;width:50px;height:28px;margin-
 left:0!important}.wp .email-preferences-page .mktoForm input[type=checkbox]+label:before,.wp .email-
 preferences-page .switch input{display:none}.wp .email-preferences-page
 .slider{position:absolute;cursor:pointer;top:0;left:0;right:0;bottom:0;background-
 color:rgba(142,144,147,.15);transition:.4s}.wp .email-preferences-page
 .slider:before{position:absolute;content:"";height:28px;width:28px;background-color:#fff;transition:.4s;box-
 shadow:1px 1px 3px 0 rgba(0,0,0,.25)}.wp .email-preferences-page input:focus+.slider{box-shadow:0 0 1px
 #2196f3}.wp .email-preferences-page input:checked+.slider:before{background-color:#4698cb;-ms-
 transform:translateX(26px);transform:translateX(26px)}.wp .email-preferences-page .slider.round{border-
 radius:34px}.wp .email-preferences-page .slider.round:before{border-radius:50%}.wp .email-preferences-page
 .update_message{float:left;margin-top:100px!important;margin-bottom:120px!important;margin-
 left:25px!important;font-family:MarkOT;font-size:12px;font-weight:300;font-style:normal;font-stretch:normal;line-
 height:1.67;letter-spacing:.2px;text-align:left;color:#8e9093}@media only screen and (max-width:760px) and (min-
 width:479px){.wp .email-preferences-page form.mktoForm .mktoHtmlText{margin-left:25px}}@media only screen
 and (max-width:400px){.wp .email-preferences-page form.mktoForm .mktoFieldWrap{width:350px!important}.wp
 .email-preferences-page hr{height:1px!important;padding:1px!important}.wp .email-preferences-page .gdpr-video
 a.play_btn{top:88%;width:30px}.wp .email-preferences-page .mktoForm div .marketo_video_container{padding-
 top:20px}}@media only screen and (max-width:697px){.wp .email-preferences-page .section_preference_center
 .mktoForm .mktoFormRow{width:100%}}.wp .email-preferences-page .section_preference_center
 #mktoForm_2386 .mktoFieldDescriptor{float:none;width:100%}.wp .email-preferences-page
 .section_preference_center #mktoForm_2386 .mktoFormRow{display:block;float:none;width:100%}.wp .email-
 preferences-page .section_preference_center #mktoForm_2386
 input{height:auto!important;opacity:1!important}.wp .email-preferences-page .section_preference_center
 #mktoForm_2386 .mktoFieldWrap{width:100%!important}.wp .email-preferences-page .section_preference_center
 #mktoForm_2386 div.mktoLogicalField{width:auto!important}.wp .email-preferences-page
 .section_preference_center #mktoForm_2386 .mktoFieldWrap label,.wp .email-preferences-page
 .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(5)
 .mktoHtmlText{width:100%!important}.wp .email-preferences-page .section_preference_center #mktoForm_2386
 .mktoFormRow:nth-child(7){margin-top:86px;padding-top:86px;border-top:5px solid #dce0e4}@media only screen
 and (min-width:768px){.wp .email-preferences-page .section_preference_center #mktoForm_2386
 .mktoFormRow:nth-child(7){display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-
 between}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(7)
 .mktoFieldDescriptor{width:50%}.wp .email-preferences-page .section_preference_center #mktoForm_2386
 .mktoFormRow:nth-child(7) .mktoFormCol:nth-child(2){display:none}}.wp .email-preferences-page
 .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(7) .mktoFieldDescriptor
 .mktoFieldWrap{display:-ms-flexbox;display:flex;-ms-flex-direction:row-reverse;flex-direction:row-reverse}.wp
 .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(7)
 .mktoFieldDescriptor .mktoFieldWrap label{display:block;margin-bottom:40px;position:relative;top:-2px}.wp
 .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-
 n+13){display:-ms-flexbox;display:flex;-ms-flex-pack:start;justify-content:flex-start}@media only screen and (min-
 width:768px){.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-
 child(n+8):nth-child(-n+13){float:left;width:50%}}.wp .email-preferences-page .section_preference_center
 #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-n+13) .mktoFormCol b{padding:0!important}.wp
 .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-
 n+13) .mktoFormCol b span{color:#4a4a4a;font-size:24px!important;font-weight:700;line-height:1.58;letter-

spacing:.7px;padding-top:0}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-n+13) .mktoFormCol b+span{color:#4a4a4a;display:block;font-size:16px!important;font-weight:300;line-height:30px;margin-bottom:40px}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-n+13) .mktoFieldDescriptor{position:relative;padding-right:24px;width:auto}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-n+13) .mktoFormCol{width:auto!important}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(14){clear:both}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15){display:-ms-flexbox;display:flex;margin-top:40px}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) h1{color:grey!important;font-size:16px!important;font-weight:400!important;letter-spacing:2px!important;text-transform:uppercase}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldDescriptor{position:relative;width:auto!important}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap label{width:auto!important}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap>label,.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap label .slider.round{display:none!important}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap label input{display:block!important;margin:0!important}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFormCol{width:auto!important}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap .mktoHtmlText{width:100%!important}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap h1{padding:0!important;width:100%!important}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(16) label:after{left:175px}.wp .email-preferences-page .section_preference_center #mktoForm_2386 .mktoButtonWrap.mktoRound .mktoButton{margin:60px 0 100px;width:auto!important}.wp .email-preferences-page .input-field-wrapper{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between}.wp .email-preferences-page .line-dot-right{margin-top:75px;max-width:100%;margin-bottom:20px}.wp .email-preferences-page .line-dot-right:before{content:"";display:block;width:calc(100% - 10px);height:1px;border:2.5px solid #dce0e4;position:absolute;left:0;border-radius:5px}.wp .email-preferences-page .preferences-toggle-wrapper{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between;margin-top:100px}.wp .email-preferences-page .preferences-toggle{width:45%;-ms-flex-align:start;align-items:flex-start;margin-bottom:40px}.wp .email-preferences-page .subscription_sub_title{height:auto}.wp .email-preferences-page .mktoForm button.mktoButton{width:168px;height:48px;border-radius:100px;background-color:#4698cb;transition:all .3s ease;float:left;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;-ms-flex-align:center;align-items:center;color:#fff;border:none;margin-bottom:40px}.wp .email-preferences-page .small{font-size:18px}.wp .email-preferences-page .reason-wrapper{width:456px;max-width:90%;margin-bottom:50px}.wp .email-preferences-page .mktoForm .mktoAsterix{display:block;color:#bf0000;font-size:13px}.wp .email-preferences-page .mktoForm label{font-family:MarkOT;font-size:12px;font-weight:400;font-style:normal;font-stretch:normal;line-height:2.67;letter-spacing:2px;text-align:left;color:#4a4a4a;text-transform:uppercase}.wp .email-preferences-page .preferences-thank-you{font-size:18px;letter-spacing:.2px;color:#8e9093}@media (max-width:768px){.wp .email-preferences-page .preferences-toggle{width:100%}}.wp .email-preferences-page .unsubscribe-reason-wrapper{margin-bottom:20px}.wp .email-preferences-page .unsubscribe-reason-wrapper .mktoField{float:none;font-size:inherit;line-height:inherit}.wp .email-preferences-page .unsubscribe-reason-wrapper .mktoField>div{padding:6px 15px;height:48px;max-width:none;border-width:1px;border-color:#a7a7a8;border-radius:0;font-size:16px;color:#4a4a4a}.wp .email-

preferences-page .unsubscribe-reason-wrapper .mktoField>div>div:last-child{ max-width:none;top:47px;border-width:1px;border-color:#a7a7a8;border-radius:0;font-size:16px;color:#4a4a4a;width:calc(100% + 2px);left:-1px}.wp .email-preferences-page .unsubscribe-reason-wrapper .mktoField>div .icon{ margin-right:15px}.wp .page-template-unsubscribe{ margin-bottom:50px}.wp .page-template-unsubscribe .section__preference-center-header .title{ color:#343941}.wp .page-template-unsubscribe .mktoButton{ width:168px;height:48px;border-radius:100px;background-color:#4698cb;transition:all .3s ease;margin-bottom:120px;color:#fff;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;border:none}.wp .page-template-unsubscribe .container{ padding-left:21px;padding-right:25px}.wp .page-template-unsubscribe .section__preference-center-header .title{ font-family:MarkOT;font-size:36px;font-weight:700;font-style:normal;font-stretch:normal;line-height:1.45;letter-spacing:normal;text-align:left;color:#003b49;padding-top:8px;padding-bottom:36px}.wp .page-template-unsubscribe .section__preference-center-header .sub_title{ font-family:MarkOT;font-size:16px!important;font-weight:400;font-style:normal;font-stretch:normal;line-height:2!important;letter-spacing:2px;text-align:left;color:#173361;padding-top:89px}.wp .page-template-unsubscribe .section__preference_center form.mktoForm select.mktoField{ background-color:#fff!important}.wp .page-template-unsubscribe .section__preference_center .mktoForm .mktoFormRow{ display:inline-block;width:40.6%;clear:inherit;background:#fff}.wp .page-template-unsubscribe .mktoForm .mktoLabel{ padding-top:0!important}.wp .page-template-unsubscribe form.mktoForm .mktoFormRow{ background-color:#fff}.wp .page-template-unsubscribe form.mktoForm .mktoRequiredField label.mktoLabel,.wp .page-template-unsubscribe form.mktoForm label.mktoLabel{ font-family:MarkOT;font-size:12px;font-weight:400;font-style:normal;font-stretch:normal;line-height:2.67;letter-spacing:2px;text-align:left;color:#4a4a4a;text-transform:uppercase}.wp .page-template-unsubscribe form.mktoForm input.mktoField,.wp .page-template-unsubscribe form.mktoForm select.mktoField,.wp .page-template-unsubscribe form.mktoForm textarea.mktoField{ height:48px;font-family:MarkOT;font-size:16px;font-weight:300;font-style:normal;font-stretch:normal;line-height:2!important;letter-spacing:.2px;text-align:left;color:#4a4a4a;padding:8px 12px!important;border:1px solid #a7a7a8!important;background-color:#fff;border-radius:2px}.wp .page-template-unsubscribe form.mktoForm .mktoRequiredField label.mktoLabel[for=Email]:after{ left:125px}.wp .page-template-unsubscribe form.mktoForm .mktoRequiredField label.mktoLabel[for=Country]:after{ left:185px}.wp .page-template-unsubscribe form.mktoForm .mktoRequiredField label.mktoLabel:after{ content:"*";font-size:12px;color:#173361;position:absolute;left:95px}.wp .page-template-unsubscribe hr{ height:5px;background-color:#000;opacity:.06;margin-top:75px;margin-right:28px}.wp .page-template-unsubscribe .subscription_sub_title,.wp .page-template-unsubscribe .subscription_title{ color:#4a4a4a;font-family:MarkOT;font-style:normal;font-stretch:normal;text-align:left}.wp .page-template-unsubscribe .subscription_title{ font-size:24px;font-weight:700;line-height:1.58;letter-spacing:.7px;padding-top:0;margin-top:40px}.wp .page-template-unsubscribe .subscription_title .asterix{ color:#bf0000;font-size:13px;vertical-align:top}.wp .page-template-unsubscribe .subscription_sub_title{ height:92px;font-size:16px;font-weight:300;line-height:2;letter-spacing:.2px}.wp .page-template-unsubscribe .marketo_video_title{ font-family:MarkOT;font-size:36px;font-weight:700;font-style:normal;font-stretch:normal;line-height:1.45;letter-spacing:normal;text-align:left;color:#003b49;padding-bottom:90px;text-align:center;padding-top:15px}.wp .page-template-unsubscribe .mktoForm div .marketo_video_container{ padding-top:85px}.wp .page-template-unsubscribe .video_container{ position:relative;background-repeat:no-repeat;background-size:contain;background-position:50%;margin:auto;border-radius:15px}.wp .page-template-unsubscribe .gdpr-video{ display:block;margin-bottom:90px!important;margin-left:96px!important;margin-right:auto!important;border:0;height:auto;outline:0;width:83.5%}.wp .page-template-unsubscribe .gdpr-video a.play_btn{ background-image:url(//www.confluent.io/wp-content/themes/confluent/assets/images/video-button-585.png)!important;background-size:contain!important;position:absolute;content:"play";display:block;width:68px;height:82px;text-align:left;text-indent:-9999px;background-repeat:no-repeat;top:70%;left:46%;margin-top:-41px;margin-left:-34px}.wp .page-template-unsubscribe #subscriptionBlogs,.wp .page-template-unsubscribe #subscriptionEducational,.wp .page-

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template-unsubscribe #subscriptionEvents,.wp .page-template-unsubscribe #subscriptionNewsletter,.wp .page-
template-unsubscribe #subscriptionProductUpdates,.wp .page-template-unsubscribe #Unsubscribed,.wp .page-
template-unsubscribe form.mktoForm input#subscriptionWebinars{height:0}.wp .page-template-unsubscribe
.section_preference_center form.mktoForm .mktoButtonWrap.mktoRound
.mktoButton{ width:168px;height:48px;border-radius:100px;background-color:#4698cb;transition:all .3s
ease;float:left;margin-bottom:120px }.wp .page-template-unsubscribe .UnsubscribedReason--
hide{ display:none!important }.wp .page-template-unsubscribe form.mktoForm .mktoFormRow .mktoFormCol:first-
child:nth-last-child(3){ width:15%;float:left }.wp .page-template-unsubscribe form.mktoForm .mktoFormRow
.mktoFormCol:first-child:nth-last-child(3)+.mktoFormCol{ width:58% }.wp .page-template-unsubscribe
form.mktoForm .mktoFormRow .mktoFormCol:first-child:nth-last-child(3)+.mktoFormCol
strong{ display:block;margin-top:6px;position:relative }.wp .page-template-unsubscribe
[for=Unsubscribed]:after,.wp .page-template-unsubscribe
[for=UnsubscribedReason]:after{ content:"";display:none!important }.wp .page-template-unsubscribe
.switch{ position:relative;display:inline-block;width:50px;height:28px;margin-left:0!important }.wp .page-template-
unsubscribe .mktoForm input[type=checkbox]+label:before,.wp .page-template-unsubscribe .switch
input{ display:none }.wp .page-template-unsubscribe
.slider{ position:absolute;cursor:pointer;top:0;left:0;right:0;bottom:0;background-
color:rgba(142,144,147,.15);transition:.4s }.wp .page-template-unsubscribe
.slider:before{ position:absolute;content:"";height:28px;width:28px;background-color:#fff;transition:.4s;box-
shadow:1px 1px 3px 0 rgba(0,0,0,.25)}.wp .page-template-unsubscribe input:focus+.slider{ box-shadow:0 0 1px
#2196f3 }.wp .page-template-unsubscribe input:checked+.slider:before{ background-color:#4698cb;-ms-
transform:translateX(26px);transform:translateX(26px)}.wp .page-template-unsubscribe .slider.round{ border-
radius:34px }.wp .page-template-unsubscribe .slider.round:before{ border-radius:50% }.wp .page-template-
unsubscribe .update_message{ float:left;margin-top:100px!important;margin-bottom:120px!important;margin-
left:25px!important;font-family:MarkOT;font-size:12px;font-weight:300;font-style:normal;font-stretch:normal;line-
height:1.67;letter-spacing:.2px;text-align:left;color:#8e9093 } @media only screen and (max-width:760px) and (min-
width:479px){ .wp .page-template-unsubscribe form.mktoForm .mktoHtmlText{ margin-left:25px } } @media only
screen and (max-width:400px){ .wp .page-template-unsubscribe form.mktoForm
.mktoFieldWrap{ width:350px!important }.wp .page-template-unsubscribe
hr{ height:1px!important;padding:1px!important }.wp .page-template-unsubscribe .gdpr-video
a.play_btn{ top:88%;width:30px }.wp .page-template-unsubscribe .mktoForm div
.marketo_video_container{ padding-top:20px } } @media only screen and (max-width:697px){ .wp .page-template-
unsubscribe .section_preference_center .mktoForm .mktoFormRow{ width:100% } }.wp .page-template-unsubscribe
.section_preference_center #mktoForm_2386 .mktoFieldDescriptor{ float:none;width:100% }.wp .page-template-
unsubscribe .section_preference_center #mktoForm_2386
.mktoFormRow{ display:block;float:none;width:100% }.wp .page-template-unsubscribe .section_preference_center
#mktoForm_2386 input{ height:auto!important;opacity:1!important }.wp .page-template-unsubscribe
.section_preference_center #mktoForm_2386 .mktoFieldWrap{ width:100%!important }.wp .page-template-
unsubscribe .section_preference_center #mktoForm_2386 div.mktoLogicalField{ width:auto!important }.wp .page-
template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFieldWrap label,.wp .page-template-
unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(5)
.mktoHtmlText{ width:100%!important }.wp .page-template-unsubscribe .section_preference_center
#mktoForm_2386 .mktoFormRow:nth-child(7){ margin-top:86px;padding-top:86px;border-top:5px solid
#dce0e4 } @media only screen and (min-width:768px){ .wp .page-template-unsubscribe .section_preference_center
#mktoForm_2386 .mktoFormRow:nth-child(7){ display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-
content:space-between }.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386
.mktoFormRow:nth-child(7) .mktoFieldDescriptor{ width:50% }.wp .page-template-unsubscribe
.section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(7) .mktoFormCol:nth-

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child(2){display:none}}.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386
 .mktoFormRow:nth-child(7) .mktoFieldDescriptor .mktoFieldWrap{display:-ms-flexbox;display:flex;-ms-flex-
 direction:row-reverse;flex-direction:row-reverse}.wp .page-template-unsubscribe .section_preference_center
 #mktoForm_2386 .mktoFormRow:nth-child(7) .mktoFieldDescriptor .mktoFieldWrap label{display:block;margin-
 bottom:40px;position:relative;top:-2px}.wp .page-template-unsubscribe .section_preference_center
 #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-n+13){display:-ms-flexbox;display:flex;-ms-flex-
 pack:start;justify-content:flex-start}@media only screen and (min-width:768px){.wp .page-template-unsubscribe
 .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-
 n+13){float:left;width:50%}}.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386
 .mktoFormRow:nth-child(n+8):nth-child(-n+13) .mktoFormCol b{padding:0!important}.wp .page-template-
 unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-n+13)
 .mktoFormCol b span{color:#4a4a4a;font-size:24px!important;font-weight:700;line-height:1.58;letter-
 spacing:.7px;padding-top:0}.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386
 .mktoFormRow:nth-child(n+8):nth-child(-n+13) .mktoFormCol b+span{color:#4a4a4a;display:block;font-
 size:16px!important;font-weight:300;line-height:30px;margin-bottom:40px}.wp .page-template-unsubscribe
 .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-n+13)
 .mktoFieldDescriptor{position:relative;padding-right:24px;width:auto}.wp .page-template-unsubscribe
 .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(n+8):nth-child(-n+13)
 .mktoFormCol{width:auto!important}.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386
 .mktoFormRow:nth-child(14){clear:both}.wp .page-template-unsubscribe .section_preference_center
 #mktoForm_2386 .mktoFormRow:nth-child(15){display:-ms-flexbox;display:flex;margin-top:40px}.wp .page-
 template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15)
 h1{color:grey!important;font-size:16px!important;font-weight:400!important;letter-spacing:2px!important;text-
 transform:uppercase}.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386
 .mktoFormRow:nth-child(15) .mktoFieldDescriptor{position:relative;width:auto!important}.wp .page-template-
 unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap
 label{width:auto!important}.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386
 .mktoFormRow:nth-child(15) .mktoFieldWrap>label,.wp .page-template-unsubscribe .section_preference_center
 #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap label .slider.round{display:none!important}.wp
 .page-template-unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15)
 .mktoFieldWrap label input{display:block!important;margin:0!important}.wp .page-template-unsubscribe
 .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15)
 .mktoFormCol{width:auto!important}.wp .page-template-unsubscribe .section_preference_center #mktoForm_2386
 .mktoFormRow:nth-child(15) .mktoFieldWrap .mktoHtmlText{width:100%!important}.wp .page-template-
 unsubscribe .section_preference_center #mktoForm_2386 .mktoFormRow:nth-child(15) .mktoFieldWrap
 h1{padding:0!important;width:100%!important}.wp .page-template-unsubscribe .section_preference_center
 #mktoForm_2386 .mktoFormRow:nth-child(16) label:after{left:175px}.wp .page-template-unsubscribe
 .section_preference_center #mktoForm_2386 .mktoButtonWrap.mktoRound .mktoButton{margin:60px 0
 100px;width:auto!important}.wp .page-template-unsubscribe .unsubscribe-title.small{font-size:14px;font-
 weight:700}.wp .page-template-unsubscribe #UnsubscribedReason{height:48px;font-size:16px;font-
 weight:300;line-height:2!important;letter-spacing:.2px;text-align:left;color:#4a4a4a;padding:8px
 12px!important;border:1px solid #a7a7a8!important;background-color:#fff;border-radius:2px;margin-
 bottom:30px}.wp .page-template-unsubscribe .mktoForm .mktoAsterix{display:block}.wp .page-template-
 unsubscribe .unsubscribe-reason-wrapper{margin-bottom:20px}.wp .page-template-unsubscribe .unsubscribe-
 reason-wrapper .mktoField{float:none;font-size:inherit;line-height:inherit}.wp .page-template-unsubscribe
 .unsubscribe-reason-wrapper .mktoField>div{padding:6px 15px;height:48px;max-width:none;border-
 width:1px;border-color:#a7a7a8;border-radius:0;font-size:16px;color:#4a4a4a}.wp .page-template-unsubscribe
 .unsubscribe-reason-wrapper .mktoField>div>div:last-child{max-width:none;top:47px;border-width:1px;border-

color:#a7a7a8;border-radius:0;font-size:16px;color:#4a4a4a;width:calc(100% + 2px);left:-1px}.wp .page-template-
unsubscribe .unsubscribe-reason-wrapper .mktoField>div .icon{margin-right:15px}.wp .get-subscription-template
.header-two{font-size:24px;font-weight:400;margin-bottom:100px;line-height:32px;padding-bottom:0}.wp .get-
subscription-template #ThankYouRedirect{display:none}.wp .get-subscription-template .image{height:90px}.wp
.get-subscription-template .content{height:120px}.wp .get-subscription-template .item{min-height:340px}.wp .get-
subscription-template #mktoForm_1051 .mktoButtonRow button{border:none}.style-module--item--3bS8-{min-
height:340px;display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:center;justify-
content:center}.style-module--button--1YC3d{-ms-flex-item-align:start;align-self:flex-start}@font-face{font-
family:IsidoraSans-Medium;src:url(https://cdn.confluent.io/fonts/IsidoraSans/IsidoraSans-Medium.woff)
format("woff");font-style:normal}@font-face{font-family:IsidoraSans-
MediumIt;src:url(https://cdn.confluent.io/fonts/IsidoraSans/IsidoraSans-MediumIt.woff) format("woff");font-
style:normal}@font-face{font-family:IsidoraSans-
Regular;src:url(https://cdn.confluent.io/fonts/IsidoraSans/IsidoraSans-Regular.woff) format("woff");font-
style:normal}@font-face{font-family:IsidoraSans-
SemiBold;src:url(https://cdn.confluent.io/fonts/IsidoraSans/IsidoraSans-SemiBold.woff) format("woff");font-
style:normal}.wp .page-livestream .video-container{margin-top:60px}.wp .page-livestream .cnfl a{font-
size:12px;color:#257bd7;transition:all .3s ease-in-out;text-decoration:none!important}.wp .page-livestream .cnfl
a:hover{opacity:.6}.wp .page-livestream .title-arrow{width:20px;height:20px;display:inline-
block;position:absolute;top:0;left:120px;top:24px}.wp .page-livestream .title-arrow:after,.wp .page-livestream .title-
arrow:before{content:"";position:absolute;background-color:#8e9093;width:15px;height:1px;transition:all .4s cubic-
bezier(1,.07,.28,1.04)}.wp .page-livestream .title-arrow:before{-ms-
transform:rotate(45deg);transform:rotate(45deg)}.wp .page-livestream .title-arrow:after{-ms-transform:rotate(-
45deg);transform:rotate(-45deg);left:11px}.wp .page-livestream .expanded .title-arrow:before{-ms-
transform:rotate(135deg);transform:rotate(135deg)}.wp .page-livestream .expanded .title-arrow:after{-ms-
transform:rotate(-135deg);transform:rotate(-135deg)}.wp .page-livestream .error,.wp .page-livestream
.error+.checkmark{border-color:#df2d58!important}.wp .page-livestream .br-4{border-radius:4px}.wp .page-
livestream .fz-12{font-size:12px}.wp .page-livestream .light-black{color:rgba(0,0,0,.7)}.wp .page-livestream .bg-
white{background-color:#fff}.wp .page-livestream .uppercase{text-transform:uppercase}.wp .page-livestream
.rebrand-cloud-color{color:#9678ff}.wp .page-livestream .rebrand-platform-color{color:#5d80eb}.wp .page-
livestream .cnfl-input::-webkit-input-placeholder{text-transform:uppercase}.wp .page-livestream .cnfl-input::-
webkit-input-placeholder,.wp .page-livestream .cnfl-input::placeholder{text-transform:uppercase}.wp .page-
livestream .cnfl-input:-moz-placeholder,.wp .page-livestream .cnfl-input:-ms-input-placeholder,.wp .page-livestream
.cnfl-input::-moz-placeholder{text-transform:uppercase}.wp .page-livestream input:valid,.wp .page-livestream
input:valid+.checkmark{border-color:#ecef2!important}.wp .page-livestream .cnfl-input{-webkit-
appearance:none;letter-spacing:1px;border:1.1px solid #ecef2;padding:10px 0 10px 25px;margin-bottom:5px;font-
size:12px;border-radius:4px;background:#fff;width:100%}.wp .page-livestream .cnfl-input-
wrapper{width:100%;display:inline-block}.wp .page-livestream .cnfl-input-wrapper.cnfl-width-50{width:calc(50%
- 5px)}.wp .page-livestream .cnfl-input-wrapper label{display:none}.wp .page-livestream div.cnfl-select{text-
transform:uppercase;text-align:left;color:rgba(0,0,0,.7);position:relative;padding:0;border-bottom:0;border-bottom-
left-radius:0;border-bottom-right-radius:0}.wp .page-livestream div.cnfl-select>div{padding:0 10px}.wp .page-
livestream div.cnfl-select .options-container{position:absolute;left:-1px;right:-2px;z-
index:9;background:#fff;border-right:1.1px solid #ecef2;border-left:1.1px solid #ecef2;border-bottom:1.1px solid
#ecef2;top:44px;transition:max-height .5s ease-in-out;overflow:hidden;max-height:0;border-bottom-left-
radius:4px;border-bottom-right-radius:4px;border-top-left-radius:0;border-top-right-radius:0}.wp .page-livestream
div.cnfl-select.error .options-container{border-right-color:#df2d58;border-left-color:#df2d58;border-bottom-
color:#df2d58}.wp .page-livestream div.cnfl-select.expanded .options-container{max-height:220px}.wp .page-
livestream div.cnfl-select>div:first-child{padding:10px 0 10px 25px;cursor:pointer}.wp .page-livestream div.cnfl-
select .title-arrow{right:20px;left:auto}.wp .page-livestream div.cnfl-select .option{margin-

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bottom:10px;padding:10px 10px 20px;background:#edf0f5;position:relative}.wp .page-livestream div.cnfl-select
.divider{position:absolute;top:-20px;left:50%;-ms-transform:translateX(-50%);transform:translateX(-
50%);border:3px solid #fff;width:30px;height:30px;text-align:center;border-radius:50%;background:#f7f9fc;font-
weight:700;text-transform:uppercase}.wp .page-livestream div.cnfl-select .option ul{display:-ms-
flexbox;display:flex;margin:0;list-style:none;padding:0}.wp .page-livestream div.cnfl-select .option
li{background:#fff;-ms-flex:1 1;flex:1 1;text-align:center;border:1px solid #e3e4e5;border-radius:4px;font-
size:12px;text-transform:uppercase;font-weight:300;letter-spacing:1px;color:#000;margin:0 10px 0 0;padding:10px
0;cursor:pointer}.wp .page-livestream div.cnfl-select .option li:hover{background-
color:rgba(37,123,215,.5);color:#fff;font-weight:500}.wp .page-livestream div.cnfl-select .option
li.selected{background-color:#257bd7;color:#fff;font-weight:500}.wp .page-livestream div.cnfl-select .option
li:last-child{margin-right:0}.wp .page-livestream div.cnfl-select h6{font-size:12px;text-align:center;margin:10px
0;color:#000;font-weight:500}.wp .page-livestream .checkbox-container{display:block;position:relative;padding-
left:35px;margin-bottom:12px;cursor:pointer;-webkit-user-select:none;-moz-user-select:none;-ms-user-
select:none;user-select:none;text-align:left}.wp .page-livestream .embed-form-checkbox{cursor:pointer;line-
height:1.5}.wp .page-livestream .checkbox-container
input{position:absolute;opacity:0;cursor:pointer;height:0;width:0}.wp .page-livestream
.checkmark{position:absolute;top:0;left:0;height:25px;width:25px;border:1.1px solid #e3e4e5;transition:all .2s ease-
in-out}.wp .page-livestream .checkmark:after{content:"";position:absolute;display:none}.wp .page-livestream
.checkbox-container input:checked~.checkmark:after{display:block}.wp .page-livestream .checkbox-container
.checkmark:after{left:9px;top:5px;width:5px;height:10px;border-color:#ff6620;border-style:solid;border-width:0
2px 2px 0;-ms-transform:rotate(45deg);transform:rotate(45deg)}.wp .page-livestream .cnfl-
button{border:none;border-radius:4px;background-color:#ff6620;color:#fff;padding:10px 20px;font-
size:13px;transition:all .3s ease-in-out;display:inline-block;letter-spacing:1px;text-transform:uppercase}.wp .page-
livestream .cnfl-button span{color:#fff}.wp .page-livestream .cnfl-button:hover{-ms-
transform:scale(1.03);transform:scale(1.03);opacity:.6}.wp .page-livestream .cnfl-button-secondary-outline{border-
radius:4px;background-color:#fff;border:1px solid #00004b;color:#00004b;padding:10px 20px;font-size:14px;font-
weight:500}.wp .page-livestream .cnfl-link-item{color:#257bd7}.wp .page-livestream .title-container{text-
align:center}.wp .page-livestream .title-with-line{padding-bottom:0;font-size:50px;font-
weight:300;position:relative;padding-top:25px}.wp .page-livestream .title-with-
line:before{content:"";width:40px;height:.1px;border-style:solid;border-width:2px;border-image-source:linear-
gradient(270deg,#80c0ec,#257bd7);border-image-slice:1;background-image:linear-
gradient(270deg,#80c0ec,#257bd7);position:absolute;left:50%;-ms-transform:translateX(-
50%);transform:translateX(-50%);margin-bottom:24px;top:0}.wp .page-livestream .rebrand-h3{font-size:28px;font-
weight:300;color:#000;padding:0}.wp .page-livestream .rebrand-h5{font-size:18px;font-weight:700;padding:0}.wp
.page-livestream .rebrand-h6{font-size:16px;font-weight:500;color:#2a2a2d}.wp .page-livestream .cnfl .gs-tooltip
.tooltip-icon{display:inline-block;position:relative;vertical-align:top}.wp .page-livestream .cnfl .gs-tooltip .tooltip-
icon span{border-radius:20px;border:1px solid #8e9093;color:#8e9093;font-family:MarkOT;font-
size:12px;padding:0 6px}.wp .page-livestream .cnfl .tooltip-hidden{background:#fff;border:1px solid #eee;box-
shadow:0 0 15px 0 rgba(70,152,203,.15);visibility:hidden;position:absolute;top:0;left:-20px;margin:30px 5px
5px;padding:10px;width:300px;z-index:2}.wp .page-livestream .cnfl .gs-tooltip .tooltip-icon:hover .tooltip-
hidden{visibility:visible}.wp .page-livestream .cnfl .gs-tooltip .tooltip-
hidden:before{content:"";display:block;position:absolute;top:-8px;left:14px;width:0;height:0;border-left:10px solid
transparent;border-right:10px solid transparent;border-bottom:10px solid #fff}.wp .page-livestream .cnfl .gs-
tooltip{position:relative}.wp .page-livestream .cnfl .tooltiptext{font-size:12px}.wp .page-livestream .cnfl .gs-tooltip
.tooltip-icon span{font-size:10px;padding:0 4px}.wp .page-livestream .cnfl .gs-tooltip .tooltip-hidden
.tooltiptext{margin-bottom:0}@media screen and (max-width:768px){.wp .page-livestream .title-with-line{line-
height:1}}@media screen and (min-width:992px){.wp .page-livestream .cnfl-last-row{margin-bottom:0}}@media
screen and (min-width:768px) and (max-width:992px){.wp .page-livestream div.cnfl-select .options-

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container{overflow-y:scroll}.wp .page-livestream .cnfl-input.cnfl-select span{font-size:10px}}@media screen and (max-width:992px){.wp .page-livestream .cnfl .gs-tooltip .tooltip-hidden.tooltip-push-left{left:-224px}.wp .page-livestream .cnfl .gs-tooltip .tooltip-hidden.tooltip-push-left:before{left:212px}}.wp .oem-program,.wp .verified-program{margin-top:40px}.wp .oem-program li,.wp .oem-program p,.wp .verified-program li,.wp .verified-program p{color:#505050;font-size:16px;line-height:1.63;font-weight:400}.wp .oem-program ul,.wp .verified-program ul{padding:0 0 20px;margin:0 0 20px}.wp .oem-program img,.wp .verified-program img{margin:0}.wp .oem-program .content,.wp .verified-program .content{padding:40px 0}.wp .oem-program .content.bb,.wp .verified-program .content.bb{border-bottom:1px solid #c2c2c2}.wp .oem-program h1,.wp .verified-program h1{color:#fff;font-size:37px;padding:0}.wp .oem-program h2,.wp .verified-program h2{color:#fff;font-size:20px;line-height:1.3;padding:0;margin:20px 0 40px}.wp .oem-program h3,.wp .verified-program h3{color:#454545;font-size:36px;font-weight:400;padding:0;margin:0 0 30px}.wp .oem-program h4,.wp .verified-program h4{color:#505050;font-size:18px;font-weight:700;padding:0;margin:20px 0;line-height:1.2}.wp .oem-program .mb-20,.wp .verified-program .mb-20{margin-bottom:20px}.wp .oem-program #mktoForm_3911 .mktoButton,.wp .oem-program #mktoForm_4028 .mktoButton,.wp .oem-program .button,.wp .verified-program #mktoForm_3911 .mktoButton,.wp .verified-program #mktoForm_4028 .mktoButton,.wp .verified-program .button{display:inline-block;padding:15px 30px;border-radius:8px;text-transform:uppercase;font-size:15px;letter-spacing:1px;font-weight:700;background:#173361;color:#fff;border:2px solid #173361}.wp .oem-program .button:hover,.wp .verified-program .button:hover{background:#fff;color:#173361;border-color:#173361}.wp .oem-program .img-wrapper:not(.non-icon),.wp .verified-program .img-wrapper:not(.non-icon){height:95px}.wp .oem-program .img-wrapper img,.wp .verified-program .img-wrapper img{margin:0;width:auto;height:100%;position:relative;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%)}.wp .oem-program .img-wrapper .infographic,.wp .verified-program .img-wrapper .infographic{background-position:50%;background-repeat:no-repeat}.wp .oem-program .img-wrapper .infographic1,.wp .verified-program .img-wrapper .infographic1{background-image:url(https://cdn.confluent.io/wp-content/themes/confluent/assets/images/verified-integration-program/infographic1.png);height:318px;background-size:contain}.wp .oem-program .img-wrapper .infographic2,.wp .verified-program .img-wrapper .infographic2{background-image:url(https://cdn.confluent.io/wp-content/themes/confluent/assets/images/verified-integration-program/infographic2.png);height:466px;background-size:contain}@media (-webkit-min-device-pixel-ratio:2),(min-resolution:192dpi){.wp .oem-program .img-wrapper .infographic1,.wp .verified-program .img-wrapper .infographic1{background-image:url(https://cdn.confluent.io/wp-content/themes/confluent/assets/images/verified-integration-program/infographic1_2x.png)}.wp .oem-program .img-wrapper .infographic2,.wp .verified-program .img-wrapper .infographic2{background-image:url(https://cdn.confluent.io/wp-content/themes/confluent/assets/images/verified-integration-program/infographic2_2x.png)}}.wp .oem-program .content-info .row,.wp .verified-program .content-info .row{display:-ms-flexbox;display:flex;-ms-flex-direction:row;flex-direction:row}.wp .oem-program .content-info.content-reverse .row,.wp .verified-program .content-info.content-reverse .row{-ms-flex-direction:row-reverse;flex-direction:row-reverse}.wp .oem-program #mktoForm_3911,.wp .oem-program #mktoForm_4028,.wp .verified-program #mktoForm_3911,.wp .verified-program #mktoForm_4028{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap}.wp .oem-program #mktoForm_3911 .mktoFormRow,.wp .oem-program #mktoForm_4028 .mktoFormRow,.wp .verified-program #mktoForm_3911 .mktoFormRow,.wp .verified-program #mktoForm_4028 .mktoFormRow{-ms-flex:1 0 48%;flex:1 0 48%;margin-bottom:20px;margin-right:2%;background:none}.wp .oem-program #mktoForm_3911 .mktoButtonRow,.wp .oem-program #mktoForm_4028 .mktoButtonRow,.wp .verified-program #mktoForm_3911 .mktoButtonRow,.wp .verified-program #mktoForm_4028 .mktoButtonRow{position:absolute;bottom:0;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%)}.wp .oem-program .connector>div:first-child,.wp .verified-program .connector>div:first-child{height:230px}.wp .oem-program .verified-connectors a,.wp .verified-program .verified-connectors a{display:inline-block;margin:0 20px 20px 0;max-width:150px}.wp .oem-program .verified-connectors .img-wrapper,.wp .verified-program .verified-connectors .img-wrapper{text-align:center}.wp .oem-program .connector-benefit .blurb h4,.wp .verified-program .connector-benefit .blurb h4{height:45px}.wp

.oem-program .connector-benefit .blurb p,.wp .verified-program .connector-benefit .blurb p{height:130px}@media (min-width:768px) and (max-width:1199px){.wp .oem-program .connector-benefit .blurb p,.wp .verified-program .connector-benefit .blurb p{height:85px}}@media (max-width:767px){.wp .oem-program .blurb h4,.wp .oem-program .blurb p,.wp .verified-program .blurb h4,.wp .verified-program .blurb p{height:auto!important}.wp .oem-program .blurb p,.wp .verified-program .blurb p{margin-bottom:40px!important}.wp .oem-program .connector-benefit img,.wp .oem-program .verification-process img,.wp .verified-program .connector-benefit img,.wp .verified-program .verification-process img{position:relative;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%)}.wp .oem-program .blurb,.wp .verified-program .blurb{text-align:center}.wp .oem-program .connector>div:first-child,.wp .verified-program .connector>div:first-child{height:auto;margin-bottom:40px}}@media (max-width:991px){.wp .oem-program #mktoForm_3911 .mktoFormRow,.wp .oem-program #mktoForm_4028 .mktoFormRow,.wp .verified-program #mktoForm_3911 .mktoFormRow,.wp .verified-program #mktoForm_4028 .mktoFormRow{-ms-flex-preferred-size:100%;flex-basis:100%}.wp .oem-program #mktoForm_3911 .mktoButtonRow,.wp .oem-program #mktoForm_4028 .mktoButtonRow,.wp .verified-program #mktoForm_3911 .mktoButtonRow,.wp .verified-program #mktoForm_4028 .mktoButtonRow{bottom:75px}.wp .oem-program .button-wrapper,.wp .verified-program .button-wrapper{text-align:center;margin-bottom:20px}.wp .oem-program .content,.wp .verified-program .content{padding:0 0 20px}.wp .oem-program .content-info .row,.wp .verified-program .content-info .row{-ms-flex-direction:column-reverse;flex-direction:column-reverse;-ms-flex-pack:center;justify-content:center}.wp .oem-program .content-info.content-reverse .row,.wp .verified-program .content-info.content-reverse .row{-ms-flex-direction:column;flex-direction:column}.wp .oem-program .content.bb,.wp .oem-program .img-wrapper.non-icon,.wp .verified-program .content.bb,.wp .verified-program .img-wrapper.non-icon{margin-bottom:40px}}.wp .oem-program #sign-up{margin-bottom:40px}@media (max-width:991px){.wp .oem-program .content{padding:0 0 20px}}.wp .verified-program .img-wrapper.non-icon img{height:auto}.solutions-module--container--2CFNs section.solutions-module--grid2--3MgK5 ul.items,.solutions-module--container--2CFNs section.solutions-module--grid3--3Zuny ul.items,.solutions-module--container--2CFNs section.solutions-module--grid4--3Iiba ul.items{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between}.solutions-module--container--2CFNs section.solutions-module--grid2--3MgK5 ul.items>li{background-color:#e6f5fb;width:100%}.solutions-module--container--2CFNs section.solutions-module--grid2--3MgK5 ul.items>li h3,.solutions-module--container--2CFNs section.solutions-module--grid2--3MgK5 ul.items>li li{color:#173361}@media screen and (min-width:760px){.solutions-module--container--2CFNs section.solutions-module--grid2--3MgK5 ul.items>li{width:49%}}.solutions-module--container--2CFNs section.solutions-module--grid3--3Zuny ul.items>li{width:100%}@media screen and (min-width:640px){.solutions-module--container--2CFNs section.solutions-module--grid3--3Zuny ul.items>li{width:33%}}.solutions-module--container--2CFNs section.solutions-module--grid4--3Iiba ul.items>li{width:100%}@media screen and (min-width:992px){.solutions-module--container--2CFNs section.solutions-module--grid4--3Iiba ul.items>li{width:49%}}.solutions-module--container--2CFNs li svg{margin-bottom:40px;width:60px;height:60px}.wp .stay-in-touch-wrapper .contact_form_section{padding:80px 0}.wp .stay-in-touch-wrapper .contact_form_section .container{max-width:500px;text-align:left}.wp .stay-in-touch-wrapper .stay-in-touch-input{width:100%;font-family:MarkOT;font-weight:400;border:0;font-size:16px;outline:0;line-height:1.3;padding:20px!important;color:#999;border-bottom:1px solid #a7a7a8;background:#f6f6f6!important;border:#a7a7a8!important;box-shadow:none!important}.wp .stay-in-touch-wrapper .stay-in-touch-input:first-of-type{border-bottom:1px solid #a7a7a8!important}.wp .stay-in-touch-wrapper .stay-in-touch-button{background:#4597cb;color:#fff;border:0;width:100%;padding:15px 20px}.wp .stay-in-touch-wrapper .stay-in-touch-button div{text-align:center}.subscribe-to-sub-processor-updates-module--page--2vBIP .section.subscribe-to-sub-processor-updates-module--form--2Us-Y{min-height:408px}.subscribe-to-sub-processor-updates-module--page--2vBIP .subscribe-to-sub-processor-updates-module--thankyou--2NBgk{position:absolute;top:50%;left:50%;-ms-transform:translate(-50%,-50%);transform:translate(-50%,-

50%);transition:all .3s ease;font-size:18px}.style-module--container--o7cqV .image-animation{border-radius:8px}.style-module--container--o7cqV .cta-links-section{padding-top:30px}.style-module--container--o7cqV .cta-links-section .style-module--title--1SscH p{margin-bottom:2px}.style-module--container--o7cqV .style-module--ctaWrap--w3EQ9{padding-top:0}.style-module--row--21104{position:relative}.style-module--ctaLinksSection--6nbxU{padding:80px 0;background:#fafafa}.style-module--colSm3--3LKvo{left:auto!important;right:0!important;width:35%!important}.style-module--colSm3--3LKvo img{max-width:100%!important}.style-module--imageWrapper--1hLWR{position:relative}.style-module--imageWrapper--1hLWR .play_btn{left:50%!important;top:50%!important;-ms-transform:translate(-50%,-30%);transform:translate(-50%,-30%);margin-left:0!important;margin-top:0!important}.style-module--formCloudSignUpModal--1AQ3A .style-module--thankyou--32jb6{font-weight:500;margin-top:20px;text-align:center}.style-module--formCloudSignUpModal--1AQ3A .style-module--content--2KGwt{text-align:center}.style-module--formCloudSignUpModal--1AQ3A .style-module--content--2KGwt h4{display:inline-block;font-size:20px;color:#8e9093;padding:0;line-height:52px;font-weight:500}.style-module--formCloudSignUpModal--1AQ3A .style-module--content--2KGwt>p,.style-module--formCloudSignUpModal--1AQ3A .style-module--content--2KGwt h6{font-size:16px}.style-module--formCloudSignUpModal--1AQ3A .style-module--content--2KGwt .style-module--formContainer--hGadi form{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between}.style-module--formCloudSignUpModal--1AQ3A .style-module--content--2KGwt .style-module--formContainer--hGadi form .style-module--buttonContainer--pKinf{width:100%;margin:20px 0}.style-module--formCloudSignUpModal--1AQ3A .style-module--content--2KGwt .style-module--formContainer--hGadi form>input{width:49%}@media screen and (max-width:992px){.style-module--formCloudSignUpModal--1AQ3A .style-module--content--2KGwt .style-module--formContainer--hGadi form>input{width:100%}}.style-module--checkboxWrapper--3sEqj{position:relative;width:100%;margin-top:20px;color:rgba(0,0,0,.7);text-align:left}.style-module--checkboxWrapper--3sEqj input{position:absolute;opacity:0;cursor:pointer;height:0;width:0}.style-module--checkboxWrapper--3sEqj label{cursor:pointer;padding-left:30px}.style-module--checkboxWrapper--3sEqj .style-module--checkboxContainer--1foY9{display:block;position:relative;padding-left:35px;margin-top:12px;-webkit-user-select:none;-moz-user-select:none;-ms-user-select:none;user-select:none}.style-module--errorContainer--3beGu{position:absolute;top:0;border:1px solid #df2d58;font-size:14px;padding:15px 50px;width:100%;background-color:#fff;transition:all .2s ease-in-out;opacity:0;visibility:hidden;border-radius:4px;text-align:center;z-index:10}.style-module--errorContainer--3beGu p{text-align:center;font-size:13px;color:#df2d58}.style-module--errorContainer--3beGu.style-module--show--3nUPD{opacity:1;visibility:visible}.style-module--existingAccount--3qZ8p{margin-bottom:20px}.style-module--existingAccount--3qZ8p a{letter-spacing:1px;margin-right:0;font-weight:500;color:#257bd7;font-size:12px}.style-module--tos--2owUx{font-size:12px}.style-module--tos--2owUx p{font-size:12px;width:80%;line-height:1.4;color:rgba(0,0,0,.7);text-align:justify;margin:auto auto 15px}.style-module--tosUS--FgYmU,.style-module--us--1yRJm .style-module--tos--2owUx{display:none}.style-module--us--1yRJm .style-module--tosUS--FgYmU{display:block}.modal-is-visible .style-module--formCloudSignUpModal--1AQ3A.style-module--show--3nUPD{top:50%;left:50%;-ms-transform:translate(-50%,-50%);transform:translate(-50%,-50%)}.style-module--form--3BUsB .mktoFormRow:nth-child(13) .mktoFieldWrap,.style-module--form--3BUsB .mktoFormRow:nth-child(15) .mktoFieldWrap{display:-ms-flexbox;display:flex;-ms-flex-direction:row-reverse;flex-direction:row-reverse;-ms-flex-align:center;align-items:center}.style-module--form--3BUsB .mktoFormRow:nth-child(13) .mktoFieldWrap label,.style-module--form--3BUsB .mktoFormRow:nth-child(15) .mktoFieldWrap label{display:block;-ms-flex:1 1;flex:1 1}.style-module--form--3BUsB .mktoFormRow:nth-child(13) .mktoFieldWrap .mktoCheckboxList,.style-module--form--3BUsB .mktoFormRow:nth-child(15) .mktoFieldWrap .mktoCheckboxList{width:25px!important;margin-right:10px;padding:5px 0}.style-module--form--3BUsB .mktoForm input[type=checkbox]+label:before{border:1px solid #173361;border-radius:2px;-webkit-appearance:none;-moz-appearance:none;appearance:none;height:14px;width:14px;outline:0;box-shadow:none}.style-module--form--3BUsB .mktoForm

input[type=checkbox]:checked+label:before{background:#173361}.style-module--wp--1dpxq{-webkit-appearance:none;letter-spacing:1px;border:1.1px solid #eccc2;padding:10px 0 10px 25px;margin-bottom:5px;font-size:12px;font-weight:400;border-radius:4px;background:#fff;box-shadow:none;line-height:inherit;width:100%}.style-module--wp--1dpxq.style-module--error--2WcVI{border:1px solid #df2d58}.style-module--sectionContent--3CzBg{background-color:transparent;border-radius:8px;background:hsla(0,0%,96.1%,.85);text-align:center;padding:100px 0;margin:0 25px 25px}@media screen and (max-width:767px){.style-module--sectionContent--3CzBg{border-radius:0;margin-left:0;margin-right:0;padding-top:50px;padding-bottom:50px}}.style-module--sectionContent--3CzBg:last-child{margin-bottom:0}.style-module--sectionContent--3CzBg.style-module--robinsEgg--1TK5a{background:#b4e1e4}.style-module--sectionContent--3CzBg.style-module--ice--kDgc2{background:#e6f5fb}.style-module--sectionContent--3CzBg.style-module--contentContainer--NXLbe{margin:0 auto;max-width:1170px;padding-left:15px;padding-right:15px;width:100%}@media screen and (min-width:768px) and (max-width:991px){.style-module--sectionContent--3CzBg.style-module--contentContainer--NXLbe.style-module--noBackground--2v_Ea{padding-left:0;padding-right:0}}@media screen and (min-width:992px) and (max-width:1199px){.style-module--sectionContent--3CzBg.style-module--contentContainer--NXLbe.style-module--noBackground--2v_Ea{padding-left:0;padding-right:0}}.style-module--sectionContent--3CzBg.style-module--svg--1POTP{width:40px}.style-module--sectionContent--3CzBg.style-module--paragraph--3Uuc4{width:35%;margin:0 auto;line-height:1.63;color:#000;font-size:18px;font-weight:300}.style-module--sectionContent--3CzBg.style-module--title--1sbHU{text-align:center;margin-bottom:50px}.style-module--sectionContent--3CzBg.style-module--title--1sbHU h3{color:#000;font-size:28px;font-weight:500;padding:0}.style-module--sectionContent--3CzBg.style-module--ctaContainer--MtFCh{margin:100px auto 0;display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}@media screen and (max-width:575px){.style-module--sectionContent--3CzBg.style-module--ctaContainer--MtFCh{-ms-flex-direction:column;flex-direction:column;-ms-flex-align:center;align-items:center}}.style-module--sectionContent--3CzBg.style-module--ctaContainer--MtFCh>:not(:first-child){margin-left:20px}@media screen and (max-width:575px){.style-module--sectionContent--3CzBg.style-module--ctaContainer--MtFCh>:not(:first-child){margin-top:20px;margin-left:0}}@media (max-width:768px){.style-module--sectionContent--3CzBg.style-module--paragraph--3Uuc4{width:90%}.style-module--sectionContent--3CzBg h2{line-height:1}}.rules-of-engagement-module--codeOfConduct--1_ejT p{font-weight:700;font-size:18px}.rules-of-engagement-module--sectionSummary--1qeSs{margin-bottom:100px}.rules-of-engagement-module--wrapper--1eCh6{border:2px solid hsla(0,0%,96.1%,.85);border-radius:8px;padding:20px;text-align:left;margin:10px 0}.rules-of-engagement-module--wrapper--1eCh6 div,.rules-of-engagement-module--wrapper--1eCh6 h4,.rules-of-engagement-module--wrapper--1eCh6 li,.rules-of-engagement-module--wrapper--1eCh6 ul{margin:20px 0}.rules-of-engagement-module--wrapper--1eCh6 h4{color:#173361;font-weight:700}.rules-of-engagement-module--disclaimer--Blzoi{font-weight:700}.rules-of-engagement-module--disclaimer--Blzoi span{color:#d8365d}.confluent-cloud-faqs-module--faqSection--3V0x1,.startup-program-faq-module--faqSection--142Xk{padding-top:25px}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xuvt{color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;text-align:left}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xuvt ul{list-style:none;margin:0;padding:0}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xuvt ul li:not(:last-child){margin-bottom:30px}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xuvt h4{color:#b78142;font-size:18px;font-weight:700;margin-bottom:20px}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xuvt h5{color:#000;font-size:12px;font-weight:500;letter-spacing:1.2px;line-height:24px;margin:0;text-transform:uppercase}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xuvt strong{display:block}@media screen and (max-width:767px){.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2Xuvt .support-module--desktop--1me3a{display:none}}.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm

.support-module--content--2XuPt .support-module--desktop--1me3a .support-module--row--1za5f{display:-ms-flexbox;display:flex} .support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--desktop--1me3a .support-module--row--1za5f:not(:first-child){border-top:2px solid hsla(0,0%,96.1%,.85)} .support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--desktop--1me3a .support-module--row--1za5f:not(:first-child):last-child{border-bottom:2px solid hsla(0,0%,96.1%,.85)} .support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--desktop--1me3a .support-module--row--1za5f:not(:first-child)>div:first-child{border-left:2px solid hsla(0,0%,96.1%,.85)} .support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--desktop--1me3a .support-module--row--1za5f:not(:first-child)>div:last-child{border-right:2px solid hsla(0,0%,96.1%,.85)} .support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--desktop--1me3a .support-module--row--1za5f>div{padding:20px 10px;width:20%} .support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--desktop--1me3a .support-module--row--1za5f>div:nth-child(2){width:14%} .support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--desktop--1me3a .support-module--row--1za5f>div:nth-child(3),.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--desktop--1me3a .support-module--row--1za5f>div:nth-child(4),.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--desktop--1me3a .support-module--row--1za5f>div:nth-child(5){width:22%} .support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--mobile--nieXi{display:none;text-align:center}@media screen and (max-width:767px){.support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--mobile--nieXi{display:block}} .support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--mobile--nieXi h4{font-size:24px} .support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--mobile--nieXi .support-module--tier--3WH2D .support-module--row--1za5f{border-bottom:2px solid hsla(0,0%,96.1%,.85);padding:40px 0 20px} .support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--mobile--nieXi .support-module--tier--3WH2D .support-module--row--1za5f:last-child{border-bottom-width:7px} .support-module--page--dS7DG .support-module--ccSupportPlanSection--1A0mm .support-module--content--2XuPt .support-module--mobile--nieXi .support-module--tier--3WH2D .support-module--row--1za5f>div:first-child{margin-bottom:20px} .support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 h2{margin-bottom:50px} .support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt p{color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0} .support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt>p{margin-bottom:80px} .support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt .support-module--options--3Jk8i{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between} .support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt .support-module--options--3Jk8i .support-module--option--Tw8U2{background:#fff;display:-ms-flexbox;display:flex;margin:0 0 10px;padding:50px 30px;text-align:left;width:calc(50% - 5px);-ms-flex:none!important;flex:none!important}@media screen and (max-width:767px){.support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt .support-module--options--3Jk8i .support-module--option--Tw8U2{width:100%}} .support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt .support-module--options--3Jk8i .support-module--option--Tw8U2 .support-module--itemContainer--_ZvPa>div:first-child{margin-right:20px;width:30px} .support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7

.support-module--content--2XuPt .support-module--options--3Jk8i .support-module--option--Tw8U2 .support-module--itemContainer--_ZvPa>div:first-child svg { width:100% } .support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt .support-module--options--3Jk8i .support-module--option--Tw8U2 .support-module--itemContainer--_ZvPa>div:last-child { -ms-flex: 1 1;flex: 1 1 } .support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt .support-module--options--3Jk8i .support-module--option--Tw8U2 .support-module--itemContainer--_ZvPa>div:last-child h4 { margin:0 0 15px } .support-module--page--dS7DG .support-module--communitySupportSection--Cm7J7 .support-module--content--2XuPt .support-module--options--3Jk8i .support-module--option--Tw8U2 .support-module--itemContainer--_ZvPa>div:last-child h4 a { color:#000;font-size:18px;font-weight:700 } .covid-19-faq-module--page--110ut .covid-19-faq-module--hero--1wWkF .covid-19-faq-module--content--17_we { width:90% } .covid-19-faq-module--page--110ut .covid-19-faq-module--hero--1wWkF .covid-19-faq-module--content--17_we p { color:#000;margin-top:50px } .covid-19-faq-module--page--110ut .covid-19-faq-module--introSection--30To6 { color:#000;font-size:14px;font-weight:300;text-align:left;padding-bottom:0 } .covid-19-faq-module--page--110ut .covid-19-faq-module--introSection--30To6 li { margin:20px 0 } .covid-19-faq-module--page--110ut .covid-19-faq-module--faqSection--AjKdN { text-align:left } .covid-19-faq-module--page--110ut .covid-19-faq-module--faqSection--AjKdN .covid-19-faq-module--content--17_we { margin-bottom:50px } .covid-19-faq-module--page--110ut .covid-19-faq-module--faqSection--AjKdN .covid-19-faq-module--content--17_we h4 { color:#173361;font-size:18px;font-weight:700 } .covid-19-faq-module--page--110ut .covid-19-faq-module--faqSection--AjKdN .covid-19-faq-module--content--17_we p { color:#000;font-size:14px;font-weight:300 } .request-kafka-tco-assessment-module--formSection--64K9s h3,.request-kafka-tco-assessment-module--formSection--64K9s p,.request-kafka-tco-assessment-module--formSection--64K9s ul { color:#173361;font-weight:700;font-size:18px } .request-kafka-tco-assessment-module--formSection--64K9s h3 { width:60%;font-weight:500;font-size:28px;margin:0 auto 50px } .request-kafka-tco-assessment-module--formSection--64K9s p,.request-kafka-tco-assessment-module--formSection--64K9s ul { list-style:none } .request-kafka-tco-assessment-module--formSection--64K9s .request-kafka-tco-assessment-module--formContainer--3noww { width:800px;max-width:95%;margin:25px auto } @media screen and (min-width:768px) { .request-kafka-tco-assessment-module--formSection--64K9s .request-kafka-tco-assessment-module--formContainer--3noww { display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap } } .request-kafka-tco-assessment-module--formSection--64K9s .request-kafka-tco-assessment-module--formContainer--3noww .request-kafka-tco-assessment-module--select---gaxw,.request-kafka-tco-assessment-module--formSection--64K9s .request-kafka-tco-assessment-module--formContainer--3noww input { width:100%;margin:5px 0 } @media screen and (min-width:768px) { .request-kafka-tco-assessment-module--formSection--64K9s .request-kafka-tco-assessment-module--formContainer--3noww .request-kafka-tco-assessment-module--select---gaxw,.request-kafka-tco-assessment-module--formSection--64K9s .request-kafka-tco-assessment-module--formContainer--3noww input { width:calc(50% - 10px);margin:5px } } .request-kafka-tco-assessment-module--formSection--64K9s .request-kafka-tco-assessment-module--formContainer--3noww .request-kafka-tco-assessment-module--select---gaxw:last-of-type { width:100%;margin-bottom:25px } .request-kafka-tco-assessment-module--formSection--64K9s .request-kafka-tco-assessment-module--thankYou--2eESF { margin-top:50px;font-size:24px } .style-module--postItem--3UA1F { display:-ms-flexbox;display:flex;-ms-flex-align:start;align-items:flex-start;margin-bottom:65px;text-align:left } @media screen and (max-width:767px) { .style-module--postItem--3UA1F { -ms-flex-direction:column;flex-direction:column } } .style-module--postItem--3UA1F ul { list-style:none;padding:0;margin:0 } .style-module--postItem--3UA1F .style-module--protected--2LnYL h2:before { content:"\1F512" } .style-module--postItem--3UA1F .style-module--imageContainer--1coFo { margin-right:55px;max-width:378px;width:100% } .style-module--postItem--3UA1F .style-module--imageContainer--1coFo img { width:100% } .style-module--postItem--3UA1F .style-module--content--2cWa9 { -ms-flex: 1 1;flex: 1 1 } .style-module--postItem--3UA1F .style-module--content--2cWa9 h2 { margin:10px 0 20px } .style-module--postItem--3UA1F .style-module--content--2cWa9 h2 a { color:#0074a2;font-size:18px;font-weight:700 } .style-module--postItem--3UA1F .style-module--content--2cWa9 .style-module--metadata--dt9Hb { color:#0074a2;font-

size:14px;font-weight:500;margin-bottom:10px;display:-ms-flexbox;display:flex;-ms-flex-pack:start;justify-content:flex-start;-ms-flex-wrap:wrap;flex-wrap:wrap}.style-module--postItem--3UA1F.style-module--content--2cWa9.style-module--metadata--dt9Hb time{color:rgba(0,0,0,.85);font-weight:300;margin-right:10px}.style-module--postItem--3UA1F.style-module--content--2cWa9.style-module--metadata--dt9Hb.style-module--tagContainer--3Xd8 li{display:inline-block}.style-module--postItem--3UA1F.style-module--content--2cWa9.style-module--metadata--dt9Hb.style-module--tagContainer--3Xd8 li:not(:last-child):after{content:"";margin-right:2px}.style-module--postItem--3UA1F.style-module--content--2cWa9.style-module--metadata--dt9Hb.style-module--tagContainer--3Xd8 li a{color:#0074a2}.style-module--postItem--3UA1F.style-module--content--2cWa9.style-module--summary--2CPjk{color:rgba(0,0,0,.85);font-size:16px;font-weight:400;line-height:1.79}.style-module--listHeader--2FIuN{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-align:center;align-items:center;margin-bottom:40px}@media screen and (max-width:767px){.style-module--listHeader--2FIuN{-ms-flex-direction:column;flex-direction:column}}.style-module--listHeader--2FIuN.style-module--categorySelector--fjNB4{position:relative}@media screen and (max-width:767px){.style-module--listHeader--2FIuN.style-module--categorySelector--fjNB4{margin-bottom:15px}}.style-module--listHeader--2FIuN.style-module--categorySelector--fjNB4:after{position:absolute;top:12px;right:13px;content:"";display:inline-block;-ms-transform:rotate(135deg);transform:rotate(135deg);height:12px;width:12px;border-color:#0074a2;border-style:solid;border-width:2px 2px 0 0}.style-module--listHeader--2FIuN.style-module--categorySelector--fjNB4 select{color:#173361;width:240px;padding:8px;height:40px;border:1px solid #173361;outline:0;border-radius:6px;background-color:#fff;-webkit-appearance:none;-moz-appearance:none;appearance:none;cursor:pointer}.style-module--listHeader--2FIuN.style-module--buttonContainer--2bc55>:first-child{margin-right:10px}.style-module--searchResultHeader--3ERwZ{margin-bottom:25px;text-align:left}.style-module--bottomBannerSection--3t8WQ{background:hsla(0,0%,96.1%,.85)}@media print{.style-module--bottomBannerSection--3t8WQ{display:none}}.style-module--bottomBannerSection--3t8WQ.style-module--content--2cWa9 p{color:#173361;font-size:28px;font-weight:500}.style-module--bottomBannerSection--3t8WQ.style-module--content--2cWa9+div{margin:45px 0 0}.style-module--authors--3Ppc_{list-style:none;padding:0;margin:0;display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap}.style-module--authors--3Ppc_.style-module--author--2AFBY{margin:10px 20px 0 0}.style-module--authors--3Ppc_.style-module--author--2AFBY a{color:#173361;font-size:12px;font-weight:500;line-height:2.67;letter-spacing:2px;text-transform:uppercase}.style-module--authors--3Ppc_.style-module--author--2AFBY img{width:55px;height:55px;border-radius:50%;border:1px solid #979797;margin-right:10px}.style-module--authors--3Ppc_.style-module--author--2AFBY li{display:inline-block;margin-right:20px;margin-bottom:15px}@media print{.style-module--relatedPostSection--2BQQq{display:none}}.style-module--relatedPostSection--2BQQq.style-module--content--2cWa9{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between}@media screen and (max-width:767px){.style-module--relatedPostSection--2BQQq.style-module--content--2cWa9{-ms-flex-direction:column;flex-direction:column}}.style-module--relatedPostSection--2BQQq.style-module--content--2cWa9.style-module--post--FIMvV{-ms-flex:1 1;flex:1 1;margin-right:20px;margin-bottom:20px;text-align:left;display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column}.style-module--relatedPostSection--2BQQq.style-module--content--2cWa9.style-module--post--FIMvV:last-child{margin-right:0}.style-module--relatedPostSection--2BQQq.style-module--content--2cWa9.style-module--post--FIMvV img{max-height:200px}.style-module--relatedPostSection--2BQQq.style-module--content--2cWa9.style-module--post--FIMvV h3 a{color:rgba(0,0,0,.85);font-size:18px;font-weight:700;letter-spacing:normal}.style-module--relatedPostSection--2BQQq.style-module--content--2cWa9.style-module--post--FIMvV.summary--2CPjk{margin-bottom:20px;color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}.style-module--relatedPostSection--2BQQq.style-module--content--2cWa9.style-module--post--FIMvV.style-module--author--2AFBY{display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;margin-

bottom:20px}.style-module--relatedPostSection--2BQQq .style-module--content--2cWa9 .style-module--post--FIMvV .style-module--metadata--dt9Hb{margin:auto 0 0}.style-module--sharePostSection--3GHmv{padding-top:0}@media print{.style-module--sharePostSection--3GHmv{display:none}}.style-module--sharePostSection--3GHmv h2{color:rgba(0,0,0,.85);font-size:28px;font-weight:500;margin:0 0 30px}@media screen and (max-width:767px){.style-module--sharePostSection--3GHmv h2{font-size:21px}}.style-module--sharePostSection--3GHmv .style-module--shareContainer--2JWTe{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}.style-module--sharePostSection--3GHmv .style-module--shareContainer--2JWTe>div: hover svg{opacity:.5}.style-module--sharePostSection--3GHmv .style-module--shareContainer--2JWTe>div:nth-of-type(2){margin:0 40px}.style-module--summary--2CPjk p:after{content:" [...]".style-module--blogList--2d8qC .style-module--bannerSection--1hj1f{background:hsla(0,0%,96.1%,.85);padding:30px 0;color:rgba(0,0,0,.85);font-size:14px;font-weight:300}.style-module--blogList--2d8qC .style-module--bannerSection--1hj1f a{color:#0074a2;font-weight:500}.style-module--blogList--2d8qC .style-module--mainSection--3uX12{padding-top:20px}.style-module--blogList--2d8qC .style-module--sectionBottomBanner--3Hesn{background:#b4e1e4}.style-module--blogList--2d8qC .style-module--sectionBottomBanner--3Hesn p{line-height:1.4;max-width:52rem;margin:0 auto}@media screen and (max-width:767px){.style-module--blogList--2d8qC .style-module--sectionBottomBanner--3Hesn p{max-width:none}}.style-module--blogPost--1pOcN.style-module--protected--1y8oU .style-module--heroSection--eUZVN h1:before{content:"\1F512"}.style-module--blogPost--1pOcN .style-module--heroSection--eUZVN{background-color:#e6f5fb}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12{text-align:left;padding-top:0;max-width:780px;margin:0 auto}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .cflt-pp img{border-radius:50%;margin:0}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-align:start;align-items:flex-start;text-transform:uppercase;margin:30px 0;-ms-flex-wrap:wrap;flex-wrap:wrap;border-bottom:2px solid rgba(130,148,148,.25)}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--author--msXYT{display:-ms-flexbox;display:flex;-ms-flex:1 1;flex:1 1;-ms-flex-wrap:wrap;flex-wrap:wrap}@media screen and (max-width:575px){.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--author--msXYT{-ms-flex-direction:column;flex-direction:column}}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--author--msXYT .cflt-bio{display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;margin-right:20px;margin-bottom:20px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--author--msXYT .cflt-bio a{color:#000;font-size:12px;font-weight:500;line-height:2.67;letter-spacing:2px;line-height:1}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--author--msXYT .cflt-bio .cflt-pp{margin-right:10px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--author--msXYT .cflt-bio .cflt-pp img{height:45px;width:45px}@media screen and (max-width:767px){.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--author--msXYT .cflt-bio .cflt-pp img{height:25px;width:25px}}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--right--202Fi{display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;-ms-flex-wrap:wrap;flex-wrap:wrap}@media screen and (max-width:767px){.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--right--202Fi{display:none}}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--right--202Fi svg{margin-left:35px;height:30px;width:30px;cursor:pointer}@media print{.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--metadata--3fkLj .style-module--right--202Fi svg{display:none}}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--date--24xyw{color:#829494;font-size:12px;font-weight:500;line-height:2.67;letter-spacing:2px;display:block;margin-bottom:10px;text-transform:uppercase}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje{position:relative;color:#000;font-size:16px;font-

weight:300;line-height:25px;letter-spacing:0}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje pre{padding:30px 10px 20px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje a{color:#257bd7}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje sup{top:-2px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje img{max-width:100%;margin:10px auto;display:block}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje img.alignleft{float:left;margin-right:10px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje img.alignright{float:right;margin-left:10px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h2{color:#000;font-size:28px;font-weight:500}@media screen and (max-width:767px){.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h2{font-size:21px}}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h3{color:#000;font-size:21px;font-weight:500;line-height:27px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h2.style-module--bookmarkable--Vemwc .style-module--bookmark--1S0Xm,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h3.style-module--bookmarkable--Vemwc .style-module--bookmark--1S0Xm,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h4.style-module--bookmarkable--Vemwc .style-module--bookmark--1S0Xm,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h5.style-module--bookmarkable--Vemwc .style-module--bookmark--1S0Xm,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h6.style-module--bookmarkable--Vemwc .style-module--bookmark--1S0Xm{display:none;font-size:14px;margin-left:5px;vertical-align:middle;text-decoration:none}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h2.style-module--bookmarkable--Vemwc:hover .style-module--bookmark--1S0Xm,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h3.style-module--bookmarkable--Vemwc:hover .style-module--bookmark--1S0Xm,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h4.style-module--bookmarkable--Vemwc:hover .style-module--bookmark--1S0Xm,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h5.style-module--bookmarkable--Vemwc:hover .style-module--bookmark--1S0Xm,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje h6.style-module--bookmarkable--Vemwc:hover .style-module--bookmark--1S0Xm{display:inline-block}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje iframe{max-width:100%}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje p{margin-bottom:20px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje div>ol li,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje div>ol span:not(.embed-gist),.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje div>p,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje div>ul li,.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje div>ul span:not(.embed-gist){color:#000!important;font-size:16px;font-weight:300}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje blockquote h4{line-height:inherit;font-size:16px;font-weight:400}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje blockquote br{display:none}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje blockquote em{font-size:20px;display:block}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje blockquote span{display:block;margin-top:10px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .style-module--copy--YJWu8{position:absolute:right:0}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .style-module--copy--YJWu8 i{cursor:pointer;position:relative;top:5px;right:8px;z-index:10;font-size:16px;opacity:.7}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .style-module--copy--YJWu8 i:hover{opacity:1}.style-module--blogPost--1pOcN .style-

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module--mainSection--3uX12 .style-module--content--3iWje li .style-module--copy--YJWu8 i{top:30px}.style-
module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje li p+.style-module--
copy--YJWu8 i{top:5px}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--
content--3iWje .style-module--tableWrapper--3giJw{width:100%}@media screen and (max-width:767px){.style-
module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .style-module--
tableWrapper--3giJw{overflow:scroll}}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-
module--content--3iWje .download_blue.rounded_button,.style-module--blogPost--1pOcN .style-module--
mainSection--3uX12 .style-module--content--3iWje .orange_button{transition:all .5s ease-in-out;transition:all .5s
cubic-bezier(.785,.135,.15,.86);border-radius:6px;display:inline-block;font-size:12px;font-weight:700;letter-
spacing:.9px;line-height:1.5;padding:12px 30px;text-align:center;text-decoration:none;text-
transform:uppercase;background-color:transparent;border:1px solid
#173361;color:#173361;color:#173361!important}.style-module--blogPost--1pOcN .style-module--mainSection--
3uX12 .style-module--content--3iWje .download_blue.rounded_button:hover,.style-module--blogPost--1pOcN
.style-module--mainSection--3uX12 .style-module--content--3iWje .orange_button:hover{cursor:pointer;text-
decoration:none}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--
3iWje .image-caption{display:block;font-size:14px;font-style:italic;font-weight:400;text-align:center}.style-
module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .cflt-bio{border-
top:2px solid hsla(0,0%,96.1%,.85);border-bottom:2px solid hsla(0,0%,96.1%,.85);margin-top:100px;padding:20px
0;display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center}@media screen and (max-
width:575px){.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje
.cflt-bio{-ms-flex-direction:column;flex-direction:column}}.style-module--blogPost--1pOcN .style-module--
mainSection--3uX12 .style-module--content--3iWje .cflt-bio .cflt-blurb{font-size:14px;font-weight:300;margin-
bottom:0}.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .cflt-
bio .cflt-blurb>{*font-size:14px;font-weight:300}.style-module--blogPost--1pOcN .style-module--mainSection--
3uX12 .style-module--content--3iWje .cflt-bio .cflt-pp{margin-right:30px}@media print{.style-module--blogPost--
1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .cflt-bio .cflt-pp{display:none}}@media
screen and (max-width:575px){.style-module--blogPost--1pOcN .style-module--mainSection--3uX12 .style-module-
-content--3iWje .cflt-bio .cflt-pp{margin-right:0;margin-bottom:30px}}.style-module--blogPost--1pOcN .style-
module--mainSection--3uX12 .style-module--content--3iWje .cflt-bio .cflt-
pp>div{width:70px!important;height:70px!important}.style-module--blogPost--1pOcN .style-module--mainSection-
-3uX12 .style-module--content--3iWje .cflt-bio .cflt-pp img{height:70px;width:70px}.style-module--blogPost--
1pOcN .style-module--mainSection--3uX12 .style-module--content--3iWje .cflt-bio.cflt-default .cflt-
blurb{color:#173361!important;font-size:20px;font-weight:700}@media screen and (max-width:767px){.style-
module--blogPost--1pOcN .style-module--mainSection--3uX12 code{word-break:break-word}}.style-module--
contentSection--2SdyY{padding-top:40px;padding-bottom:40px}.style-module--contentSection--2SdyY .style-
module--nav--3Yw6O li{font-weight:700;letter-spacing:1.2px;font-size:14px;display:inline-block;text-
transform:uppercase}@media screen and (max-width:575px){.style-module--contentSection--2SdyY .style-module-
-nav--3Yw6O li{display:block}}.style-module--contentSection--2SdyY .style-module--nav--3Yw6O
li+li:before{content:" | ";margin:0 15px}@media screen and (max-width:575px){.style-module--contentSection--
2SdyY .style-module--nav--3Yw6O li+li:before{display:none}}.style-module--contentSection--2SdyY .style-
module--nav--3Yw6O li.style-module--active--3XD4X a{color:#000}.style-module--contentSection--2SdyY .style-
module--item--2pvTa{display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;border-bottom:1px
solid #efefef;padding:40px 0}.style-module--contentSection--2SdyY .style-module--item--2pvTa:last-child{border-
bottom:none}.style-module--contentSection--2SdyY .style-module--imageContainer--jy83c{margin-
right:20px}.style-module--contentSection--2SdyY .style-module--imageContainer--jy83c img{max-
width:none;width:110px}@media screen and (max-width:575px){.style-module--contentSection--2SdyY .style-
module--imageContainer--jy83c{display:none}}.style-module--contentSection--2SdyY .style-module--content--
32ux0{text-align:left}.style-module--contentSection--2SdyY .style-module--content--32ux0 .style-module--date--

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woPnD{color:#000;font-size:18px;font-weight:700;line-height:23px;font-weight:400}.style-module--contentSection--2SdyY .style-module--content--32ux0 .style-module--title--F4YNt{color:#173361;font-size:21px;font-weight:500;line-height:27px}.style-module--pageList--letxG .style-module--contentSection--jSGp3{padding-top:40px;padding-bottom:40px}.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--nav--2VDJx li{font-weight:700;letter-spacing:1.2px;font-size:14px;display:inline-block;text-transform:uppercase}@media screen and (max-width:575px){.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--nav--2VDJx li{display:block}}.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--nav--2VDJx li+li:before{content:" | ";margin:0 15px}@media screen and (max-width:575px){.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--nav--2VDJx li+li:before{display:none}}.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--nav--2VDJx li.style-module--active--WwI6 a{color:#000}.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--item--1kvxe{display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;border-bottom:1px solid #efefef;padding:40px 0}.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--item--1kvxe:last-child{border-bottom:none}.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--imageContainer--3CFtC{margin-right:20px}.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--imageContainer--3CFtC img{max-width:none;width:110px}@media screen and (max-width:575px){.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--imageContainer--3CFtC{display:none}}.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--content--1WyTq{text-align:left}.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--content--1WyTq .style-module--date--2FYZI{color:#000;font-size:18px;font-weight:700;line-height:23px;font-weight:400}.style-module--pageList--letxG .style-module--contentSection--jSGp3 .style-module--content--1WyTq .style-module--title--1yiWy{color:#173361;font-size:21px;font-weight:500;line-height:27px}.style-module--pageTemplate--2eJab .style-module--contentSection--jSGp3{color:#000;font-size:18px;font-weight:300;line-height:1.39;text-align:left}@media screen and (max-width:767px){.style-module--pageTemplate--2eJab .style-module--contentSection--jSGp3{margin-top:20px}}.style-module--pageTemplate--2eJab .style-module--contentSection--jSGp3 h2{margin-bottom:40px}.style-module--pageTemplate--2eJab .style-module--contentSection--jSGp3 .style-module--section--LDg5t{margin:20px 0}.style-module--pageResourceList--2xJSM .style-module--hero--3gfzl .style-module--card--_rdUr,.style-module--pageResourceList--2xJSM .style-module--resourceList--ci7VL .style-module--card--_rdUr{padding:25px;color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}.style-module--pageResourceList--2xJSM .style-module--hero--3gfzl .style-module--card--_rdUr h3,.style-module--pageResourceList--2xJSM .style-module--resourceList--ci7VL .style-module--card--_rdUr h3{color:#173361;font-size:18px;font-weight:700;line-height:23px;margin-bottom:25px;padding-bottom:0}.style-module--pageResourceList--2xJSM .style-module--hero--3gfzl h1{margin-bottom:50px}.style-module--pageResourceList--2xJSM .style-module--hero--3gfzl .style-module--content--1Sy2Q{width:100%}.style-module--pageResourceList--2xJSM .style-module--hero--3gfzl .style-module--content--1Sy2Q .style-module--card--_rdUr{background:#c4eff2}.style-module--pageResourceList--2xJSM .style-module--hero--3gfzl .style-module--content--1Sy2Q .style-module--card--_rdUr: hover{border-color:#0074a2}.style-module--pageResourceList--2xJSM .style-module--hero--3gfzl .style-module--content--1Sy2Q .style-module--card--_rdUr img{max-height:160px;width:auto}.style-module--pageResourceList--2xJSM .style-module--resourceList--ci7VL{padding-top:20px}@media screen and (max-width:767px){.style-module--pageResourceList--2xJSM .style-module--resourceList--ci7VL{padding-top:0}}.style-module--pageResourceList--2xJSM .style-module--resourceList--ci7VL .style-module--card--_rdUr{background:hsla(0,0%,96.1%,.85)}.style-module--pageResourceList--2xJSM .style-module--resourceList--ci7VL .style-module--card--_rdUr .style-module--cardContent--3dK28{overflow:hidden;text-overflow:ellipsis;display:-webkit-box;-webkit-line-clamp:4;-webkit-box-orient:vertical}.style-module--pageResourceList--2xJSM .style-module--header--32Kgf{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;margin-bottom:50px}@media screen and (max-width:767px){.style-module--pageResourceList--2xJSM .style-module--header--32Kgf{-ms-flex-

direction:column-reverse;flex-direction:column-reverse } }.style-module--pageResourceList--2xJSM .style-module--header--32Kgf form{ display:-ms-flexbox;display:flex;-ms-flex-pack:start;justify-content:flex-start;-ms-flex-wrap:wrap;flex-wrap:wrap;width:100%;max-width:calc(100% - 140px)} @media screen and (max-width:767px){.style-module--pageResourceList--2xJSM .style-module--header--32Kgf form{-ms-flex-direction:column;flex-direction:column;max-width:none;padding-top:10px;border-top:2px solid hsla(0,0%,96.1%,.85)} }.style-module--pageResourceList--2xJSM .style-module--header--32Kgf form .style-module--select--2IqDS{ margin-right:10px;width:calc((100% - 40px)/5)} @media screen and (min-width:768px) and (max-width:991px){.style-module--pageResourceList--2xJSM .style-module--header--32Kgf form .style-module--select--2IqDS{ margin-bottom:10px;width:calc((100% - 30px)/3)} } @media screen and (max-width:767px){.style-module--pageResourceList--2xJSM .style-module--header--32Kgf form .style-module--select--2IqDS{ width:100%;margin-bottom:10px;margin-right:0} }.style-module--pageResourceList--2xJSM .style-module--header--32Kgf form .style-module--select--2IqDS:last-child{ margin-right:0} @media screen and (max-width:767px){.style-module--pageResourceList--2xJSM .style-module--header--32Kgf form .style-module--select--2IqDS:last-child{ margin-bottom:0} }.style-module--pageResourceList--2xJSM .style-module--header--32Kgf button{-ms-flex-item-align:start;align-self:flex-start} @media screen and (max-width:767px){.style-module--pageResourceList--2xJSM .style-module--header--32Kgf button{ width:100%;margin-bottom:10px} } @media screen and (max-width:767px){.style-module--coverModule--1neFV{ text-align:center} }.style-module--coverModule--1neFV img{ max-height:250px;height:auto} .style-module--contentModule--2GbeI.style-module--fullWidth--3Wdfm{ max-width:none!important} .style-module--contentModule--2GbeI ol li,.style-module--contentModule--2GbeI ol span,.style-module--contentModule--2GbeI p,.style-module--contentModule--2GbeI ul li,.style-module--contentModule--2GbeI ul span{ color:#000;font-size:14px;font-weight:300;line-height:25px} .style-module--contentModule--2GbeI .style-module--genericContent--jUIVQ .col-sm-6{ width:49%} .style-module--contentModule--2GbeI .style-module--genericContent--jUIVQ.style-module--video--2Lodx [id^=vidyard_]{ max-width:599px!important;width:100%!important} .style-module--contentModule--2GbeI .style-module--genericContent--jUIVQ.style-module--video--2Lodx:not(.style-module--slide--2TjeV) .row .col-sm-6{ width:100%} .style-module--contentModule--2GbeI .style-module--genericContent--jUIVQ.style-module--video--2Lodx.style-module--slide--2TjeV .row{ display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap} @media screen and (max-width:767px){.style-module--contentModule--2GbeI .style-module--genericContent--jUIVQ.style-module--video--2Lodx.style-module--slide--2TjeV .row .col-sm-6{ width:100%;text-align:center} .style-module--contentModule--2GbeI .style-module--genericContent--jUIVQ.style-module--video--2Lodx.style-module--slide--2TjeV .row .col-sm-6+.col-sm-6{ margin-top:20px} } .style-module--contentModule--2GbeI .style-module--recordingTime--1eBRY p{ font-size:18px;font-weight:700} .style-module--contentModule--2GbeI h2{ color:#000;font-size:28px} .style-module--contentModule--2GbeI .style-module--content--1Smjq img{ width:100%;max-width:100px;border-radius:50%;margin-right:20px} .style-module--contentModule--2GbeI .style-module--content--1Smjq .style-module--speakerContainer--1AYAJ .style-module--speaker--r_Ydq{ display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center} .style-module--contentModule--2GbeI .style-module--content--1Smjq .style-module--speakerContainer--1AYAJ .style-module--speaker--r_Ydq img{ max-width:100px;width:auto} .style-module--formModule--2QTTWW{ max-width:480px;width:100%} @media screen and (min-width:768px){.style-module--formModule--2QTTWW{ position:absolute;right:0;top:0} }.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV{ background:hsla(0,0%,96.1%,.85);border-radius:8px;padding:25px;position:relative} .style-module--formModule--2QTTWW .style-module--formContainer--2LkcV h3{ color:#173361;font-size:18px;font-weight:700;text-align:center;margin-bottom:20px} .style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba{ display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;width:100%!important} .style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba input,.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba select{ background-color:#fff!important;border:2px solid hsla(0,0%,73.3%,.5)!important;border-radius:4px;width:100%!important;margin-bottom:5px;color:#000;font-size:14px;line-

height:1.2!important;padding:10px!important}.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba input::-webkit-input-placeholder,.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba select::-webkit-input-placeholder{color:#829494}.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba input::-moz-placeholder,.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba select::-moz-placeholder{color:#829494}.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba input:-ms-input-placeholder,.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba select:-ms-input-placeholder{color:#829494}.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba input::placeholder,.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba select::placeholder{color:#829494}.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba select{cursor:pointer;color:#829494}.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba .mktoButtonRow {text-align:center;margin-top:25px;-ms-flex-order:15;order:15}.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba .mktoButtonRow button{transition:all .5s ease-in-out;transition:all .5s cubic-bezier(.785,.135,.15,.86);border-radius:6px;border-style:solid;border-width:1px;display:inline-block;font-size:12px;font-weight:700;letter-spacing:.9px;line-height:1.5;padding:12px 30px;text-align:center;text-decoration:none;text-transform:uppercase;background-color:#173361!important;border-color:#173361!important;color:#fff!important;width:auto!important;font-size:12px!important;font-weight:400!important}.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV form.style-module--form--1G1ba .mktoButtonRow button:hover{cursor:pointer;text-decoration:none;border:1px solid #173361!important}.style-module--formModule--2QTTWW .style-module--formContainer--2LkcV .mktoRequiredField label.mktoHasWidth{color:#173361;width:auto!important}.style-module--thankyouCtaModule--3D9ye {margin-bottom:100px}.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx {display:-ms-flexbox;display:flex}@media screen and (max-width:991px){.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx {-ms-flex-direction:column;flex-direction:column}}.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx .style-module--card--2kGFK {-ms-flex:1 1;flex:1 1;margin-right:10px;position:relative}@media screen and (max-width:991px){.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx .style-module--card--2kGFK {margin-right:0;margin-bottom:50px}}.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx .style-module--card--2kGFK:last-child{margin-right:0}@media screen and (max-width:991px){.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx .style-module--card--2kGFK:last-child{margin-bottom:0}}.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx .style-module--card--2kGFK>div {text-align:center}.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx .style-module--card--2kGFK>div a {margin-top:20px}.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx .style-module--card--2kGFK h3 {color:#173361;font-size:12px;font-weight:500;letter-spacing:1.2px;text-transform:uppercase;margin:20px 0 30px 0}.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx .style-module--card--2kGFK .style-module--icon--2vg1C {position:absolute;top:0;left:50%;-ms-transform:translate(-50%,-50%);transform:translate(-50%,-50%)}.style-module--thankyouCtaModule--3D9ye .style-module--contentContainer--N9Zhx .style-module--card--2kGFK .style-module--icon--2vg1C svg {height:60px;width:auto}.style-module--page--2eWr8 .style-module--heroSection--2gXmv {margin-bottom:25px}.style-module--page--2eWr8 .style-module--heroSection--2gXmv>div {-ms-flex-pack:start;justify-content:flex-start;text-align:left}.style-module--page--2eWr8 .style-module--pageContent--21Evr {margin-bottom:100px}.style-module--page--2eWr8 .style-module--pageContent--21Evr>section {padding-top:0;padding-bottom:0;min-height:640px}.style-module--page--2eWr8 .style-module--pageContent--21Evr p {margin:15px 0 0 0}.style-module--page--2eWr8 .style-module--content--3ZqvM {display:-ms-flexbox;display:flex;-ms-flex-

direction:column;flex-direction:column;text-align:left;position:relative}.style-module--page--2eWr8 .style-module--content--3ZqvM .style-module--columns--rMAvt{display:-ms-flexbox;display:flex}@media screen and (max-width:767px){.style-module--page--2eWr8 .style-module--content--3ZqvM .style-module--columns--rMAvt{-ms-flex-align:center;align-items:center;-ms-flex-direction:column;flex-direction:column}}.style-module--page--2eWr8 .style-module--content--3ZqvM .style-module--columns--rMAvt>div{-ms-flex:1 1;flex:1 1}@media screen and (min-width:768px){.style-module--page--2eWr8 .style-module--content--3ZqvM .style-module--columns--rMAvt>div:first-child{min-width:360px;width:100%;max-width:600px}}.style-module--page--2eWr8 .style-module--content--3ZqvM .style-module--columns--rMAvt>div.style-module--spacer--1vFos{max-width:480px;width:100%;position:relative}@media screen and (min-width:768px){.style-module--page--2eWr8 .style-module--content--3ZqvM .style-module--columns--rMAvt>div.style-module--spacer--1vFos{margin-left:40px}}.style-module--page--2eWr8 .style-module--content--3ZqvM .style-module--columns--rMAvt>div.style-module--spacer--1vFos.style-module--noPointer--aUuu8{pointer-events:none}.style-module--page--2eWr8 #mktoForm_1734 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_3762 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_3768 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_3774 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_3924 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_4143 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_4154 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_4162 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_4164 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_4169 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_4248 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_4371 .mktoFormRow:first-of-type,.style-module--page--2eWr8 #mktoForm_4381 .mktoFormRow:first-of-type{-ms-flex-order:14;order:14}.style-module--page--2eWr8 #mktoForm_1734 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_3762 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_3768 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_3774 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_3924 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_4143 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_4154 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_4162 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_4164 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_4169 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_4248 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_4371 .mktoFormRow .mktoHtmlText,.style-module--page--2eWr8 #mktoForm_4381 .mktoFormRow .mktoHtmlText{margin-top:15px;width:100%!important}.style-module--page--2eWr8 #mktoForm_1734 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_3762 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_3768 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_3774 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_3924 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_4143 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_4154 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_4162 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_4164 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_4169 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_4248 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_4371 .mktoFormRow .mktoHtmlText span,.style-module--page--2eWr8 #mktoForm_4381 .mktoFormRow .mktoHtmlText span{color:#829494!important}.style-module--page--2eWr8 #mktoForm_1734 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_1734 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_3762 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_3762 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_3768 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_3768 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_3774 .mktoFormRow .mktoHtmlText span

a,.style-module--page--2eWr8 #mktoForm_3774 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_3924 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_3924 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_4143 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4143 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_4154 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4154 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_4162 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4162 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_4164 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4164 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_4169 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4169 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_4248 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4248 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_4371 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4371 .mktoFormRow .mktoHtmlText span span,.style-module--page--2eWr8 #mktoForm_4381 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4381 .mktoFormRow .mktoHtmlText span span{ text-decoration:none!important }.style-module--page--2eWr8 #mktoForm_1734 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_3762 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_3768 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_3774 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_3924 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4143 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4154 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4162 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4164 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4169 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4248 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4371 .mktoFormRow .mktoHtmlText span a,.style-module--page--2eWr8 #mktoForm_4381 .mktoFormRow .mktoHtmlText span a{ color:#257bd7!important }.style-module--thankyouPage--q8Sx_ iframe{ max-width:100% }.style-module--thankyouPage--q8Sx_ .style-module--heroSection--2gXmv>div{ padding:70px }.style-module--thankyouPage--q8Sx_ .style-module--heroSection--2gXmv .style-module--content--3ZqvM{ width:90% }.style-module--thankyouPage--q8Sx_ .style-module--heroSection--2gXmv .style-module--content--3ZqvM .style-module--button--xWcox{ margin-top:50px }.style-module--thankyouPage--q8Sx_ .style-module--heroSection--2gXmv .style-module--content--3ZqvM .orange_button{ transition:all .5s ease-in-out;transition:all .5s cubic-bezier(.785,.135,.15,.86);border-radius:6px;display:inline-block;font-size:12px;font-weight:700;letter-spacing:.9px;line-height:1.5;padding:12px 30px;text-align:center;text-decoration:none;text-transform:uppercase;background-color:#fff;border:1px solid #fff;color:#173361;display:block;width:260px;margin:50px auto 0 }.style-module--thankyouPage--q8Sx_ .style-module--heroSection--2gXmv .style-module--content--3ZqvM .orange_button:hover{ cursor:pointer;text-decoration:none }.style-module--thankyouPage--q8Sx_ .style-module--webinarContent--1UBae .style-module--video--zS5ur [id^=vidyard_] { max-width:599px!important;width:100%!important }.style-module--thankyouPage--q8Sx_ .style-module--webinarContent--1UBae .style-module--video--zS5ur .style-module--caption--3c1g-.style-module--thankyouPage--q8Sx_ .style-module--webinarContent--1UBae .style-module--video--zS5ur p{ font-size:14px }.style-module--thankyouPage--q8Sx_ .style-module--webinarContent--1UBae .style-module--video--zS5ur:not(.style-module--slide--NvD8Q) .row .col-sm-6{ width:100% }.style-module--thankyouPage--q8Sx_ .style-module--webinarContent--1UBae .style-module--video--zS5ur.style-module--slide--NvD8Q .row{ display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap } @media screen and (max-width:767px){ .style-module--thankyouPage--q8Sx_ .style-module--webinarContent--1UBae .style-module--video--zS5ur.style-module--slide--NvD8Q .row .col-sm-6{ width:100%;text-align:center }.style-module--thankyouPage--q8Sx_ .style-module--webinarContent--1UBae .style-module--video--zS5ur.style-module--slide--NvD8Q .row .col-sm-6+.col-sm-

6{margin-top:20px}}.style-module--thankyouPage--q8Sx_.style-module--webinarContent--1UBae.style-module--thankyouMessage--1L9PD{margin-top:40px}@media screen and (max-width:767px){.style-module--testimonials--2eY00.style-module--header--C0_Br{margin:20px 0}}.style-module--testimonials--2eY00.style-module--pager--1Lh_S{margin-top:0;margin-bottom:0;padding:0;list-style:none;display:-ms-flexbox!important;display:flex!important;overflow-x:scroll}@media screen and (min-width:992px){.style-module--testimonials--2eY00.style-module--pager--1Lh_S{-ms-flex-pack:center;justify-content:center;margin-left:auto;margin-right:auto;overflow-x:hidden}}.style-module--testimonials--2eY00.style-module--pager--1Lh_S li{display:-ms-flexbox;display:flex;-ms-flex-align:end;align-items:flex-end;margin-left:20px;margin-right:20px}.style-module--testimonials--2eY00.style-module--pager--1Lh_S li:first-child{margin-left:0}.style-module--testimonials--2eY00.style-module--pager--1Lh_S li:last-child{margin-right:0}.style-module--testimonials--2eY00.style-module--pager--1Lh_S div{padding:20px;position:relative;border-bottom:2px solid #fff;cursor:pointer}.style-module--testimonials--2eY00.style-module--pager--1Lh_S span{display:inline-block}.style-module--testimonials--2eY00.style-module--pager--1Lh_S.style-module--logo_demonware--2NWgW span{background:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/c007816e3c3e863cc1ba2e56c5ffcdb24675cea7/demonware-inactive@1x.png") no-repeat;background-size:177px 52px;width:177px;height:52px}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00.style-module--pager--1Lh_S.style-module--logo_demonware--2NWgW span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/dfccd6b0f1f5dfa154397dc93c713adeb407b77c/demonware-inactive@2x.png")}}.style-module--testimonials--2eY00.style-module--pager--1Lh_S.style-module--logo_demonware--2NWgW:after{width:0;height:0;border-left:5px solid transparent;border-right:5px solid transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-50%);transform:translateX(-50%)}.style-module--testimonials--2eY00.style-module--pager--1Lh_S.style-module--logo_demonware--2NWgW:hover,.style-module--testimonials--2eY00.style-module--pager--1Lh_S.style-module--logo_demonware--2NWgW:hover:after{border-bottom-color:#2bc7f6}.style-module--testimonials--2eY00.style-module--pager--1Lh_S.style-module--logo_demonware--2NWgW span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/3ede249ffcb57be8a8c1ebf27df25d3f79819f71/demonware-active@1x.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00.style-module--pager--1Lh_S.style-module--logo_demonware--2NWgW span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/137fe5177082deef18bd8d1ca809c3ba4c98ea09/demonware-active@2x.png")}}.style-module--testimonials--2eY00.style-module--pager--1Lh_S.slick-active.style-module--logo_demonware--2NWgW,.style-module--testimonials--2eY00.style-module--pager--1Lh_S.slick-active.style-module--logo_demonware--2NWgW:after{border-bottom-color:#2bc7f6}.style-module--testimonials--2eY00.style-module--pager--1Lh_S.slick-active.style-module--logo_demonware--2NWgW span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/3ede249ffcb57be8a8c1ebf27df25d3f79819f71/demonware-active@1x.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00.style-module--pager--1Lh_S.slick-active.style-module--logo_demonware--2NWgW span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/137fe5177082deef18bd8d1ca809c3ba4c98ea09/demonware-active@2x.png")}}.style-module--testimonials--2eY00.style-module--pager--1Lh_S.style-module--logo_uronext--3Amyq span{background:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/0e71eaf193cff199816be9f59b67add6e04b3d16/uronext-inactive@1x.png") no-repeat;background-size:155px 52px;width:155px;height:52px}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00.style-module--pager--1Lh_S.style-module--logo_uronext--3Amyq span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/102e3d9fe091abc385c4c1a52a090c39763a0

010/euronext-inactive@2x.png"))}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_uronext--3Amyq:after{width:0;height:0;border-left:5px solid transparent;border-right:5px solid transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-50%);transform:translateX(-50%)}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_uronext--3Amyq:hover,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_uronext--3Amyq:hover:after{border-bottom-color:#009484}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_uronext--3Amyq:hover span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/6a70a772d4c833324186561d036dfca1c2297fca/euronext-active@1x.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_uronext--3Amyq:hover span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/86ef10cb5881342b97a6c9119c9616aaa77ca2ba/euronext-active@2x.png")}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_uronext--3Amyq,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_uronext--3Amyq:after{border-bottom-color:#009484}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_uronext--3Amyq span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/6a70a772d4c833324186561d036dfca1c2297fca/euronext-active@1x.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_uronext--3Amyq span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/86ef10cb5881342b97a6c9119c9616aaa77ca2ba/euronext-active@2x.png")}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_audi--1TXrG span{background:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/07a005ec92f2dc0f02941ca0b1ce1bec5c3c7669/audi-inactive@1x.png") no-repeat;background-size:99px 52px;width:99px;height:52px}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_audi--1TXrG span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/aa9024c2305edd3c9c89eb4b859c06153ce83d71/audi-inactive@2x.png")}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_audi--1TXrG:after{width:0;height:0;border-left:5px solid transparent;border-right:5px solid transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-50%);transform:translateX(-50%)}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_audi--1TXrG:hover,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_audi--1TXrG:hover:after{border-bottom-color:#f53d42}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_audi--1TXrG:hover span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/a562069b623aa86fc226014cc9dec768a6af759c/audi-active@1x.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_audi--1TXrG:hover span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/80c01a3d2964e2c4190542098d570785f9f96844/audi-active@2x.png")}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_audi--1TXrG,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_audi--1TXrG:after{border-bottom-color:#f53d42}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_audi--1TXrG span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/a562069b623aa86fc226014cc9dec768a6af759c/audi-active@1x.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_audi--1TXrG span{background-

50%);transform:translateX(-50%)} .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_bosch--1am6O: hover, .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_bosch--1am6O: hover: after { border-bottom-color: #ea0215 } .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_bosch--1am6O: hover span { background-image: url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/530eb0282bb3d318576eb05cb58ef0afb3e33e3/bosch-active@1x.png")} @media only screen and (-webkit-min-device-pixel-ratio: 1.25), only screen and (min-resolution: 1.25dppx) { .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_bosch--1am6O: hover span { background-image: url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/6505032981159f7aaacf97ff8cb80f2d2576abb5/bosch-active@2x.png")} } .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_bosch--1am6O, .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_bosch--1am6O: after { border-bottom-color: #ea0215 } .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_bosch--1am6O span { background-image: url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/530eb0282bb3d318576eb05cb58ef0afb3e33e3/bosch-active@1x.png")} @media only screen and (-webkit-min-device-pixel-ratio: 1.25), only screen and (min-resolution: 1.25dppx) { .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_bosch--1am6O span { background-image: url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/6505032981159f7aaacf97ff8cb80f2d2576abb5/bosch-active@2x.png")} } .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_nuuly--9d-UE span { background: url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/00596b513d0ed47a67b69b966f9ea42e6a8474b2/nuuly-inactive@1x.png") no-repeat; background-size: 104px 59px; width: 104px; height: 59px } @media only screen and (-webkit-min-device-pixel-ratio: 1.25), only screen and (min-resolution: 1.25dppx) { .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_nuuly--9d-UE span { background-image: url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/65f0a6c5b63c689da45792e095deb364aa7bef8/nuuly-inactive@2x.png")} } .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_nuuly--9d-UE: after { width: 0; height: 0; border-left: 5px solid transparent; border-right: 5px solid transparent; border-bottom: 5px solid #fff; content: ""; position: absolute; left: 50%; bottom: 0; -ms-transform: translateX(-50%); transform: translateX(-50%)} .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_nuuly--9d-UE: hover, .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_nuuly--9d-UE: hover: after { border-bottom-color: #000 } .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_nuuly--9d-UE: hover span { background-image: url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/f0e1ff6ba8439f6e254a46b2495e03288d8e7873/nuuly-active@1x.png")} @media only screen and (-webkit-min-device-pixel-ratio: 1.25), only screen and (min-resolution: 1.25dppx) { .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_nuuly--9d-UE: hover span { background-image: url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/cdaa71ec4ef4c1fdaeb06c54ab580e9b437e8764/nuuly-active@2x.png")} } .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_nuuly--9d-UE, .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_nuuly--9d-UE: after { border-bottom-color: #000 } .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_nuuly--9d-UE span { background-image: url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/f0e1ff6ba8439f6e254a46b2495e03288d8e7873/nuuly-active@1x.png")} @media only screen and (-webkit-min-device-pixel-ratio: 1.25), only screen and (min-resolution: 1.25dppx) { .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_nuuly--9d-UE span { background-image: url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/cdaa71ec4ef4c1fdaeb06c54ab580e9b437e8764/nuuly-active@2x.png")} } .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--

logo_forbes--3sEAE

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span{background:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/aa004cfdd67a847a80f9ab9b14d3ba25eae87464/forbes-inactive.png") no-repeat;background-size:74px 25px;width:74px;height:25px}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_forbes--3sEAE span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/aa004cfdd67a847a80f9ab9b14d3ba25eae87464/forbes-inactive.png")}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_forbes--3sEAE:after{width:0;height:0;border-left:5px solid transparent;border-right:5px solid transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-50%);transform:translateX(-50%)}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_forbes--3sEAE:hover,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_forbes--3sEAE:hover:after{border-bottom-color:#2365a3}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_forbes--3sEAE:after span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/1c18709bf0bf8c047b2e6543f81c672dec4a43ed/forbes-active.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_forbes--3sEAE:after span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/1c18709bf0bf8c047b2e6543f81c672dec4a43ed/forbes-active.png")}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_forbes--3sEAE,.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_forbes--3sEAE:after{border-bottom-color:#2365a3}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_forbes--3sEAE span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/1c18709bf0bf8c047b2e6543f81c672dec4a43ed/forbes-active.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--logo_forbes--3sEAE span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/1c18709bf0bf8c047b2e6543f81c672dec4a43ed/forbes-active.png")}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_morganstanley--3pcg6 span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/f5772e42b1e72f549bc05e227728e5f3e8ee5411/morganstanley-inactive.png") no-repeat;background-size:122px 25px;width:122px;height:25px}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_morganstanley--3pcg6 span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/f5772e42b1e72f549bc05e227728e5f3e8ee5411/morganstanley-inactive.png")}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_morganstanley--3pcg6:after{width:0;height:0;border-left:5px solid transparent;border-right:5px solid transparent;border-bottom:5px solid #fff;content:"";position:absolute;left:50%;bottom:0;-ms-transform:translateX(-50%);transform:translateX(-50%)}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_morganstanley--3pcg6:after{border-bottom-color:#216ca6}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_morganstanley--3pcg6:after span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/20663abf6b0ad3feeb970327415da5d115c44585/morganstanley-active.png")}@media only screen and (-webkit-min-device-pixel-ratio:1.25),only screen and (min-resolution:1.25dppx){.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--logo_morganstanley--3pcg6:after span{background-image:url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/20663abf6b0ad3feeb970327415da5d115c44585/morganstanley-active.png")}.style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active
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logo_googlecloud--2trjN: hover, .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_googlecloud--2trjN: hover: after { border-bottom-color: #2b84e7; } .style-module--testimonials--2eY00 .style-
module--pager--1Lh_S .style-module--logo_googlecloud--2trjN: hover span { background-
image: url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/17372a5dec0afcd56933c047fbb5a1fa23e2ec
b6/googlecloud-active.png")} @media only screen and (-webkit-min-device-pixel-ratio: 1.25), only screen and (min-
resolution: 1.25dppx) { .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .style-module--
logo_googlecloud--2trjN: hover span { background-
image: url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/17372a5dec0afcd56933c047fbb5a1fa23e2ec
b6/googlecloud-active.png")} } .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-
module--logo_googlecloud--2trjN, .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active
.style-module--logo_googlecloud--2trjN: after { border-bottom-color: #2b84e7; } .style-module--testimonials--2eY00
.style-module--pager--1Lh_S .slick-active .style-module--logo_googlecloud--2trjN span { background-
image: url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/17372a5dec0afcd56933c047fbb5a1fa23e2ec
b6/googlecloud-active.png")} @media only screen and (-webkit-min-device-pixel-ratio: 1.25), only screen and (min-
resolution: 1.25dppx) { .style-module--testimonials--2eY00 .style-module--pager--1Lh_S .slick-active .style-module--
logo_googlecloud--2trjN span { background-
image: url("https://d33wubrfki0l68.cloudfront.net/images/rebrand/logos/17372a5dec0afcd56933c047fbb5a1fa23e2ec
b6/googlecloud-active.png")} } .style-module--testimonials--2eY00 .style-module--pager--1Lh_S
.container { display: -ms-flexbox; display: flex; -ms-flex-pack: justify; justify-content: space-between; -ms-flex-
align: end; align-items: flex-end; min-width: 760px; } .style-module--testimonials--2eY00 .style-module--pager--1Lh_S
.container > div { padding: 20px; position: relative; border-bottom: 2px solid #fff; cursor: pointer; } .style-module--
testimonials--2eY00 .slick-list { padding: 40px 0; } .style-module--testimonials--2eY00 .slick-list .slick-track { display: -
ms-flexbox; display: flex; -ms-flex-align: center; align-items: center; } .style-module--testimonials--2eY00 .style-module-
-testimonial--qVXIA { text-align: center; } .style-module--testimonials--2eY00 .style-module--testimonial--qVXIA
header { font-size: 12px; font-weight: 300; letter-spacing: 2px; line-height: 2.67; text-transform: uppercase; } .style-module--
testimonials--2eY00 .style-module--testimonial--qVXIA header .style-module--name--1KjXx { color: #173361; font-
size: 12px; font-weight: 500; line-height: 2.67; letter-spacing: 2px; } .style-module--testimonials--2eY00 .style-module--
testimonial--qVXIA blockquote { border: 0; color: #38cccd; font-size: 30px; font-weight: 700; font-style: italic; line-
height: 1.25; margin: 20px auto; max-width: 780px; padding: 0; } .style-module--testimonials--2eY00 .style-module--
testimonial--qVXIA blockquote: after, .style-module--testimonials--2eY00 .style-module--testimonial--qVXIA
blockquote: before { content: ""; } .style-module--testimonials--2eY00 .style-module--testimonial--qVXIA blockquote
a { color: inherit; } .style-module--testimonials--2eY00 .style-module--testimonial--qVXIA .style-module--
ctaContainer--305F4 { position: relative; } .style-module--testimonials--2eY00 .style-module--testimonial--qVXIA
.style-module--ctaContainer--305F4: after { content: "\203A"; color: #0074a2; position: absolute; top: -7px; line-
height: 1; font-size: 30px; right: -15px; } @media screen and (max-width: 767px) { .style-module--testimonials--2eY00
.style-module--testimonial--qVXIA .style-module--ctaContainer--305F4: after { display: none; } } .style-module--
testimonials--2eY00 .style-module--testimonial--qVXIA .style-module--ctaContainer--305F4 a { color: #0074a2; text-
decoration: underline; } .style-module--card--1fsSo { transition: all .5s ease-in-out; transition: all .5s cubic-
bezier(1, 0, 0, 1); border-radius: 8px; background-color: #fff; padding: 30px 30px 0; margin: 0 auto 40px; } .style-module--
card--1fsSo .slick-list { padding: 20px 0 0; } .style-module--card--34kIN { transition: all .5s ease-in-out; transition: all .5s
cubic-bezier(1, 0, 0, 1); border-radius: 8px; background-color: #fff; padding: 30px; } .style-module--card--34kIN .style-
module--clickable--2Yaw8 { cursor: pointer; border: 2px solid transparent; } .style-module--card--34kIN .style-module-
clickable--2Yaw8: hover { border-color: #173361; -ms-transform: scale(1.05); transform: scale(1.05); } .style-module--
card--34kIN .style-module--label--1lqnK { margin-bottom: 13px; text-transform: uppercase; } .style-module--card--
34kIN .style-module--label--1lqnK h4 { background: #0074a2; border-radius: 4px; color: #fff; display: inline-block; font-
size: 12px; font-weight: 500; letter-spacing: 1.2px; margin: 0; padding: 5px 10px; } .style-module--card--34kIN .style-
module--label--1lqnK .style-module--denim--urW0q h4 { background: #173361; } .style-module--card--34kIN .style-
module--label--1lqnK .style-module--academy--88tr5 h4 { background: #0074a2; } .style-module--card--34kIN .style-
```

module--label--1lqnK.style-module--island--3Prvw h4{ background:#38cccd }.style-module--card--34klN .style-module--label--1lqnK.style-module--robinSEggBlue--1da6r h4{ background:#b4e1e4 }.style-module--card--34klN .style-module--label--1lqnK.style-module--sahara--iUZFc h4{ background:#c5832e }.style-module--card--34klN .style-module--label--1lqnK.style-module--canary--28W1H h4{ background:#ffc40c }.style-module--card--34klN .style-module--wrapper--1at_H{ color:inherit;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;text-align:left;margin:0;display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;height:100% }.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_left--19IAJ,.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_right--3cHGD{ display:-ms-flexbox;display:flex } @media screen and (max-width:767px){ .style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_left--19IAJ,.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_right--3cHGD{ display:block } }.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_left--19IAJ .style-module--imageWrapper--1FRHo,.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_right--3cHGD .style-module--imageWrapper--1FRHo{ -ms-flex:2 1;flex:2 1;max-width:160px } @media screen and (max-width:767px){ .style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_left--19IAJ .style-module--imageWrapper--1FRHo,.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_right--3cHGD .style-module--imageWrapper--1FRHo{ text-align:left;margin-bottom:15px } }.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_left--19IAJ .style-module--imageWrapper--1FRHo img,.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_right--3cHGD .style-module--imageWrapper--1FRHo img{ max-width:200px }.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_left--19IAJ .style-module--copy--3YFnP,.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_right--3cHGD .style-module--copy--3YFnP{ -ms-flex:4 1;flex:4 1 }.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_left--19IAJ{ -ms-flex-direction:row;flex-direction:row }.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_left--19IAJ .style-module--imageWrapper--1FRHo{ margin-right:25px }.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_right--3cHGD{ -ms-flex-direction:row-reverse;flex-direction:row-reverse }.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_right--3cHGD .style-module--imageWrapper--1FRHo{ margin-left:25px;text-align:right }.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_top--39SWu .style-module--imageWrapper--1FRHo{ margin-bottom:15px;text-align:center }.style-module--card--34klN .style-module--wrapper--1at_H.style-module--image_top--39SWu .style-module--copy--3YFnP{ -ms-flex:1 1;flex:1 1;display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column }.style-module--card--34klN .style-module--wrapper--1at_H .style-module--imageWrapper--1FRHo img{ width:100% }.style-module--card--34klN .style-module--wrapper--1at_H .style-module--copy--3YFnP h3{ color:#000;font-size:18px;font-weight:700;line-height:1.5;margin:0;padding:0 0 10px;overflow:hidden;text-overflow:ellipsis }.style-module--card--34klN .style-module--wrapper--1at_H .style-module--copy--3YFnP h3 a{ color:inherit:pointer-events:none;text-decoration:none }.style-module--card--34klN .style-module--wrapper--1at_H .style-module--copy--3YFnP p{ color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;max-width:450px;margin:0 auto }.style-module--card--34klN .style-module--wrapper--1at_H .style-module--copy--3YFnP .style-module--meta-2DoOH{ color:#0074a2;font-size:12px;font-weight:500;line-height:2.67;letter-spacing:2px;display:block;line-height:normal;text-transform:uppercase;margin-bottom:10px }.style-module--card--34klN .style-module--wrapper--1at_H .style-module--copy--3YFnP .style-module--contentContainer--WACfF{ margin-bottom:20px }.style-module--card--34klN .style-module--wrapper--1at_H .style-module--copy--3YFnP .style-module--contentContainer--WACfF p{ margin-left:0;margin-right:0 }.style-module--card--34klN .style-module--wrapper--1at_H .style-module--copy--3YFnP .style-module--contentContainer--WACfF .style-module--noCta--_nvte{ margin-bottom:0 }.style-module--card--34klN .style-module--wrapper--1at_H .style-module--copy--3YFnP .style-module--buttonContainer--GiF5v{ margin:auto 0 0 }.style-module--card--34klN .style-module--wrapper--1at_H .style-module--copy--3YFnP .style-module--buttonContainer--GiF5v a{ display:inline-block }.style-module--denim--urWOq.style-module--active--2sKU1{ border:2px solid #173361;background-color:rgba(23,51,97,.05) }.style-module--denim--urWOq .style-

module--label--1lqnK h4{background:none;color:#173361}.style-module--denim--urWOq .style-module--wrapper--1at_H .style-module--copy--3YFnP h3{color:#173361}.style-module--purple--nb0ge.style-module--active--2sKU1{border:2px solid #551d9d;background-color:rgba(85,29,157,.05)}.style-module--purple--nb0ge .style-module--label--1lqnK h4{background:none;color:#551d9d}.style-module--purple--nb0ge .style-module--wrapper--1at_H .style-module--copy--3YFnP h3{color:#551d9d}.style-module--green--3SxHv.style-module--active--2sKU1{border:2px solid #159e86;background-color:rgba(21,158,134,.05)}.style-module--green--3SxHv .style-module--label--1lqnK h4{background:none;color:#159e86}.style-module--green--3SxHv .style-module--wrapper--1at_H .style-module--copy--3YFnP h3{color:#159e86}.style-module--blue--1XZoW.style-module--active--2sKU1{border:2px solid #0dacc;background-color:rgba(13,172,204,.05)}.style-module--blue--1XZoW .style-module--label--1lqnK h4{background:none;color:#0dacc}.style-module--blue--1XZoW .style-module--wrapper--1at_H .style-module--copy--3YFnP h3{color:#0dacc}.style-module--orange--1rWcw.style-module--active--2sKU1{border:2px solid #e37d62;background-color:rgba(227,125,98,.05)}.style-module--orange--1rWcw .style-module--label--1lqnK h4{background:none;color:#e37d62}.style-module--orange--1rWcw .style-module--wrapper--1at_H .style-module--copy--3YFnP h3{color:#e37d62}.style-module--grey--3LMDj.style-module--active--2sKU1{border:2px solid #58788c;background-color:rgba(88,120,140,.05)}.style-module--grey--3LMDj .style-module--label--1lqnK h4{background:none;color:#58788c}.style-module--grey--3LMDj .style-module--wrapper--1at_H .style-module--copy--3YFnP h3{color:#58788c}.index-module--pageCommunity--2w1tS h2{font-size:26px;font-weight:400}.index-module--pageCommunity--2w1tS h3{font-size:18px!important;line-height:1.2!important}.index-module--pageCommunity--2w1tS ul{list-style:none;margin:0;padding:0}.index-module--pageCommunity--2w1tS .index-module--button--2A-hL{border-radius:4px;border:1px solid #2a2a2d;text-transform:uppercase;font-size:12px;color:#2a2a2d;letter-spacing:.75px;font-weight:700;text-decoration:none;padding:10px 40px}.index-module--pageCommunity--2w1tS .index-module--bgGrey--Sx7Vk{background-color:#f0f0f2}.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu section>div{margin-bottom:0}.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu section p{max-width:590px;margin:15px auto}.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu .index-module--supportingLinks--1jeNd{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;margin:50px auto 0}@media screen and (max-width:767px){.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu .index-module--supportingLinks--1jeNd{margin-top:25px}}@media screen and (max-width:575px){.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu .index-module--supportingLinks--1jeNd{-ms-flex-direction:column;flex-direction:column}}.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu .index-module--supportingLinks--1jeNd>{*margin-right:15px}.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu .index-module--supportingLinks--1jeNd>:last-child{margin-right:0}@media screen and (max-width:575px){.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu .index-module--supportingLinks--1jeNd>:last-child{margin-bottom:0}}@media screen and (max-width:575px){.index-module--pageCommunity--2w1tS .index-module--hero--2uRdu .index-module--supportingLinks--1jeNd>{*margin-right:0;margin-bottom:15px}}.index-module--pageCommunity--2w1tS .index-module--content--10g54>section{padding:60px 0;position:relative;text-align:center}.index-module--pageCommunity--2w1tS .index-module--content--10g54>section:first-child{padding:160px 0 120px}.index-module--pageCommunity--2w1tS .index-module--content--10g54>section .index-module--paragraph--3g3tT{max-width:800px;margin:0 auto}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--mapContainer--1bbeS .index-module--map--24bh5{width:100%;height:650px}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ-{margin-top:40px}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-wrap:wrap;flex-wrap:wrap}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li{border:1px solid #f2f3f4;min-width:220px;text-align:left}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li a{padding:13px 10px;display:block;text-decoration:none}.index-module--pageCommunity--2w1tS .index-module--content--10g54

.index-module--countryList--1rXZ->ul li a span:first-child{display:inline-block;font:normal normal normal 14px/1 FontAwesome;text-rendering:auto;-webkit-font-smoothing:antialiased;-moz-osx-font-smoothing:grayscale;font-size:16px;color:#fff;background-color:#173361;padding:14px;margin-right:16px}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li a span:first-child:before{content:"\F067"}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li a span:last-child{color:#000;font-size:16px;font-weight:700}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li.index-module--current--2byzP{background-color:#f2f3f4}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li.index-module--current--2byzP a span:first-child:before{content:"\F068"}@media screen and (max-width:1199px){.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul{-ms-flex-pack:center;justify-content:center}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li{min-width:220px;margin-top:10px;margin-right:20px}}@media screen and (max-width:991px){.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul{-ms-flex-pack:justify;justify-content:space-between}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li{width:48%;margin-top:10px;margin-right:0}}@media screen and (max-width:767px){.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul{-ms-flex-pack:center;justify-content:center}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ->ul li{width:100%;margin-top:10px}}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ- .index-module--countryContent--ez0uK{background-color:#f2f3f4;clear:both;display:none;text-align:left}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ- .index-module--countryContent--ez0uK ul{clear:both;padding:20px 0 40px;overflow:hidden}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ- .index-module--countryContent--ez0uK ul li{display:inline-block;width:16%;min-width:180px;padding:15px 20px;float:left}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ- .index-module--countryContent--ez0uK ul li span{display:block;color:#000}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ- .index-module--countryContent--ez0uK ul li a span{color:#4597cb}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--countryList--1rXZ- .index-module--countryContent--ez0uK.index-module--current--2byzP{display:block}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--sponsorRequestContainer--3FpUK ul{display:-ms-flexbox;display:flex;-ms-flex-pack:distribute;justify-content:space-around;margin:40px auto;max-width:800px}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--sponsorRequestContainer--3FpUK ul li{max-width:180px}@media screen and (max-width:991px){.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--sponsorRequestContainer--3FpUK ul{-ms-flex-wrap:wrap;flex-wrap:wrap}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--sponsorRequestContainer--3FpUK ul li{width:45%;margin-top:10px;max-width:none}}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--getInvolvedText--3IUwT{font-size:14px;margin:40px auto 20px}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--slackCatalystContainer--1tkVU{padding-bottom:0}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--slackCatalystContainer--1tkVU .index-module--cardContainer--1WjI3{display:-ms-flexbox;display:flex;-ms-flex-direction:row;flex-direction:row;-ms-flex-pack:justify;justify-content:space-between}@media screen and (max-width:767px){.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--slackCatalystContainer--1tkVU .index-module--cardContainer--1WjI3{-ms-flex-direction:column;flex-direction:column}}.index-module--pageCommunity--2w1tS .index-module--content--10g54 .index-module--slackCatalystContainer--1tkVU .index-module--card--3JCqV{margin:0;width:32.5%;background:hsla(0,0%,96.1%,.85)}@media screen and (max-width:767px){.index-

bottom:40px;color:rgba(0,0,0,.85)}@media screen and (max-width:991px){.style-module--copyContainer--3eWSz
.style-module--copyParagraph--2sb3Z{margin-bottom:0}}.style-module--copyContainer--3eWSz .style-module--
listButton--3BcwF{min-width:175px;text-align:center}@media screen and (max-width:991px){.style-module--
copyContainer--3eWSz .style-module--listButton--3BcwF{display:none}}.style-module--listContainer--2NB6w
.style-module--unorderedList--Mod8X{padding-left:20px;margin:20px 0 0 40px}@media screen and (max-
width:991px){.style-module--listContainer--2NB6w .style-module--unorderedList--Mod8X{margin-left:0}}.style-
module--listContainer--2NB6w .style-module--unorderedListItem--1wqXF{text-align:left}.style-module--
listContainer--2NB6w .style-module--noLink--3t5n5,.style-module--listContainer--2NB6w .style-module--
unorderedListLink--3IE4p{font-size:14px;font-weight:300;line-height:1.79;margin-left:10px}.style-module--
listContainer--2NB6w .style-module--noLink--3t5n5{color:rgba(0,0,0,.85)}.government-module--page--3ihGK
.government-module--hero--2BDaj .government-module--heroContent--M1-ls{max-
width:580px;width:100%}.government-module--page--3ihGK .government-module--hero--2BDaj .government-
module--heroContent--M1-ls>a{max-width:245px}@media screen and (max-width:767px){.government-module--
page--3ihGK .government-module--hero--2BDaj .government-module--heroContent--M1-
ls>a{display:block;margin:20px auto}}@media screen and (min-width:768px){.government-module--page--3ihGK
.government-module--missionSection--1n5_j p,.government-module--page--3ihGK .government-module--
operations--264Pz p{max-width:640px;width:100%;margin:auto}}.government-module--page--3ihGK
.government-module--missionSection--1n5_j p,.government-module--page--3ihGK .government-module--
operationsCopy--2Qahm{font-size:14px;font-weight:300;line-height:1.79;text-
align:center;color:rgba(0,0,0,.85);margin-bottom:30px}.government-module--page--3ihGK .government-module--
federalDataStrategy--1Q3ge{display:block}.government-module--page--3ihGK .government-module--
federalDataStrategy--1Q3ge .government-module--content--33zR-{display:-ms-flexbox;display:flex;-ms-flex-
pack:justify;justify-content:space-between}@media screen and (max-width:767px){.government-module--page--
3ihGK .government-module--federalDataStrategy--1Q3ge .government-module--content--33zR-{-ms-flex-
direction:column;flex-direction:column}}.government-module--page--3ihGK .government-module--
federalDataStrategy--1Q3ge .government-module--card--1MI5R{max-width:49.5%;width:auto}@media screen and
(max-width:767px){.government-module--page--3ihGK .government-module--federalDataStrategy--1Q3ge
.government-module--card--1MI5R{max-width:none;margin-right:0;margin-bottom:20px}}.government-module--
page--3ihGK .government-module--resourcesSection--IhntF{display:block}.government-module--page--3ihGK
.government-module--resourcesSection--IhntF .government-module--content--33zR-{-ms-flex-
flexbox;display:flex}@media screen and (max-width:767px){.government-module--page--3ihGK .government-
module--resourcesSection--IhntF .government-module--content--33zR-{-ms-flex-direction:column;flex-
direction:column}}.government-module--page--3ihGK .government-module--resourcesSection--IhntF .government-
module--content--33zR->div{-ms-flex:2 1;flex:2 1}.government-module--page--3ihGK .government-module--
resourcesSection--IhntF .government-module--content--33zR- .government-module--card--
1MI5R{background:hsla(0,0%,96.1%,.85)}.government-module--page--3ihGK .government-module--
missionSection--1n5_j .government-module--logoContainer--3EBWR{list-style:none;padding:0;display:-ms-
flexbox;display:flex;-ms-flex-pack:distribute;justify-content:space-around;max-width:992px;margin:40px auto
0}@media screen and (max-width:767px){.government-module--page--3ihGK .government-module--
missionSection--1n5_j .government-module--logoContainer--3EBWR{-ms-flex-wrap:wrap;flex-
wrap:wrap}}.government-module--page--3ihGK .government-module--missionSection--1n5_j .government-
module--logoContainer--3EBWR li{margin:20px 0}.government-module--page--3ihGK .government-module--
missionSection--1n5_j .government-module--logoContainer--3EBWR li
img{width:150px!important;height:auto!important}@media screen and (max-width:767px){.government-module--
page--3ihGK .government-module--missionSection--1n5_j .government-module--logoContainer--3EBWR
li{width:48%}}.government-module--page--3ihGK .government-module--missionSection--1n5_j .government-
module--logoContainer--3EBWR li img{width:auto}.government-module--page--3ihGK .government-module--
contactSection--1IxQQ>div:first-child{margin:0 auto;max-width:520px}.government-module--page--3ihGK

.government-module--formWrapper--3KVA9{ width:700px;max-width:90%;margin:50px auto auto } @media screen and (min-width:768px){ .government-module--page--3ihGK .government-module--formWrapper--3KVA9{ display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap } } .government-module--page--3ihGK .government-module--formWrapper--3KVA9 .government-module--textareaContainer--3XSY9Y {padding:0;-ms-flex-preferred-size:100%;flex-basis:100%;height:120px } .government-module--page--3ihGK .government-module--compliance--Q5rFv {font-size:14px;color:#829494;margin:25px 0 } .government-module--page--3ihGK .government-module--thankYou--3pp4v {margin-top:50px } .government-module--formInput--1cCde {margin:10px 0;padding:10px;border:2px solid rgba(130,148,148,.25);border-radius:4px;width:100% } @media screen and (min-width:768px){ .government-module--formInput--1cCde { -ms-flex-preferred-size:calc(50% - 10px);flex-basis:calc(50% - 10px);margin:5px } } .government-module--formInput--1cCde textarea { width:100%;height:100%;padding:10px;border:none;resize:none;font-size:14px } .government-module--formInput--1cCde textarea::-webkit-input-placeholder { color:#829494;font-size:14px } .government-module--formInput--1cCde textarea::-moz-placeholder { color:#829494;font-size:14px } .government-module--formInput--1cCde textarea::-ms-input-placeholder { color:#829494;font-size:14px } .government-module--formInput--1cCde textarea::placeholder { color:#829494;font-size:14px } .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--headerThree--CC-6d { color:#173361;font-size:28px;font-weight:500;margin-bottom:30px;text-align:left } @media screen and (max-width:767px){ .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--headerThree--CC-6d { font-size:21px } } .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--fullWidthWrapper--1VTyF {text-align:left;margin:40px 0 } .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--fullWidthWrapper--1VTyF p { color:#173361;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0 } @media screen and (max-width:991px){ .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--pageSectionContent--27N0j {padding:50px 0 } } .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO table { width:100% } .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--tableRowNames--3Tf_O .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--tableTitle--qGSzL .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO td {padding:10px 0;width:25%;text-align:center } .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--tableTitle--qGSzL .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO td:first-of-type { text-align:left;padding-left:20px } .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--tableTitle--qGSzL { text-transform:uppercase;color:#0074a2;font-size:12px;background-color:#b4e1e4 } .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO td { color:#173361;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0 } .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO td:first-of-type { color:#000;font-weight:700 } .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--tableHeaders--1E2Se { display:-ms-flexbox;display:flex } .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--tableRowNames--3Tf_O { color:#c5832e;font-size:18px;font-weight:700;letter-spacing:normal;text-transform:uppercase;font-weight:500 } @media screen and (max-width:991px){ .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--tableRowNames--3Tf_O { font-size:14px } } @media screen and (max-width:991px){ .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--tableRowNames--3Tf_O span { display:block } } .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO svg { width:25px;height:25px;-ms-transform:rotate(-90deg);transform:rotate(-90deg);background:transparent;border-radius:50% } .apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO circle { fill:transparent;stroke:#173361;stroke-width:16;stroke-dasharray:0

50}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO tr:nth-of-type(odd){background-color:#e6f5fb}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--harveyBall-4--2H9nU{stroke-dasharray:51 51}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--harveyBall-3--2T3IP{stroke-dasharray:37.5 50}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--harveyBall-2--1RpIo{stroke-dasharray:25 50}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--harveyBall-1--1u5c0{stroke-dasharray:12.5 50}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--tableWrapper--154KO .apache-vs-pulsar-module--harveyBall-0--3OY8d{stroke-dasharray:0 0;stroke-width:1}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardSectionWrapper--2g240{margin-top:50px}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardSectionWrapper--2g240 h3{margin:50px 0}@media screen and (min-width:768px){.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap}}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF{border:2px solid rgba(130,148,148,.25);margin:10px 0}@media screen and (min-width:768px){.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF{-ms-flex:1 1;flex:1 1;margin:5px;-ms-flex-preferred-size:calc(50% - 10px);flex-basis:calc(50% - 10px);max-width:calc(50% - 10px)}}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF.apache-vs-pulsar-module--fullWidth--2kPSI{-ms-flex-preferred-size:100%;flex-basis:100%;max-width:100%}@media screen and (min-width:768px){.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF.apache-vs-pulsar-module--fullWidth--2kPSI .apache-vs-pulsar-module--cardContentContainer--2cPsQ{display:-ms-flexbox;display:flex}}@media screen and (min-width:768px){.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF.apache-vs-pulsar-module--fullWidth--2kPSI .apache-vs-pulsar-module--cardContentContainer--2cPsQ div{-ms-flex:1 1;flex:1 1}}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF.apache-vs-pulsar-module--fullWidth--2kPSI .apache-vs-pulsar-module--cardContentContainer--2cPsQ div:not(:last-of-type){margin-bottom:30px}@media screen and (min-width:768px){.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF.apache-vs-pulsar-module--fullWidth--2kPSI .apache-vs-pulsar-module--cardContentContainer--2cPsQ div:not(:last-of-type){margin-right:30px;margin-bottom:0}}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF.apache-vs-pulsar-module--fullWidth--2kPSI p:not(:last-of-type){margin-bottom:20px}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF.apache-vs-pulsar-module--fullWidth--2kPSI .apache-vs-pulsar-module--image--1fr2P{width:400px;max-width:100%;height:auto;-o-object-fit:cover;object-fit:cover;-ms-flex-item-align:start;align-self:flex-start}@media screen and (max-width:991px){.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF.apache-vs-pulsar-module--fullWidth--2kPSI .apache-vs-pulsar-module--image--1fr2P{margin-top:20px}}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF .apache-vs-pulsar-module--imageContentContainer--3yU8p{display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;height:100%}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF .apache-vs-pulsar-module--imageContentContainer--3yU8p div{-ms-flex:1 1;flex:1 1}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF .apache-vs-pulsar-module--imageContentContainer--3yU8p a{text-align:center}.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF

.apache-vs-pulsar-module--imageContentContainer--3yU8p img { margin-top:25px;height:320px }.apache-vs-pulsar-module--apacheVsPulsar--PT3YX .apache-vs-pulsar-module--cardWrapper--2eDxc .apache-vs-pulsar-module--card--3iHuF h3 { color:#173361 }.apache-vs-pulsar-module--apacheVsPulsar--PT3YX section { padding-bottom:0 }.apache-vs-pulsar-module--apacheVsPulsar--PT3YX section.apache-vs-pulsar-module--summary--1QHVO { padding-bottom:100px }.apache-vs-pulsar-module--apacheVsPulsar--PT3YX section.apache-vs-pulsar-module--summary--1QHVO p { color:#173361;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;margin:20px 0 }.style-module--customerStories--WM-QE { display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-wrap:wrap;flex-wrap:wrap }.style-module--customerStories--WM-QE .style-module--card--T-iTb { width:calc(33% - 10px) } @media screen and (max-width:767px) { .style-module--customerStories--WM-QE .style-module--card--T-iTb { margin-bottom:20px;width:100% } }.style-module--customerStories--WM-QE .style-module--card--T-iTb.style-module--noCard--1o0Rp { box-shadow:none }.style-module--customerStories--WM-QE .style-module--imageContainer--2lXR1:not(.style-module--fullWidth--1_LRn) { height:80px }.style-module--customerStories--WM-QE .style-module--imageContainer--2lXR1:not(.style-module--fullWidth--1_LRn) img { height:100%;width:auto }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 { display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs { color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;text-align:left;min-width:350px }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs h4 { color:#8e9093;font-size:12px;font-weight:500;line-height:2.67;letter-spacing:2px;text-transform:uppercase }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs h5 { color:rgba(0,0,0,.85);font-size:18px;font-weight:700;letter-spacing:normal }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs h5 a { color:#173361;position:relative }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs h5 .style-module--arrow--3aY5x { position:absolute;right:-15px;top:6px }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs ul { list-style:none;margin:0 0 20px;padding:0 }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li { margin-bottom:5px;display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;position:relative }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li h6 { display:inline-block;padding-bottom:5px }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li .style-module--tooltipContainer--1tJBT { display:inline-block!important;margin-left:0 }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li .style-module--tooltipContainer--1tJBT h6 { border-bottom-color:#babe00;cursor:help }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li .style-module--tooltipContainer--1tJBT ul { margin:0 }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li .style-module--tagline--283Q_ { top:5px;margin-top:5px }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li .style-module--tagline--283Q_ .style-module--taglineText--2HXa_ { color:#81cfe2;font-size:8px;font-weight:700;letter-spacing:1.43px;position:absolute;top:-12px;left:0;text-transform:uppercase }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li .style-module--licenseContainer--19yT6 { position:relative;right:-5px;display:-ms-inline-flexbox;display:inline-flex;-ms-flex-direction:column;flex-direction:column }.style-module--productFeatureListing--3o-tq .style-module--featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li .style-module--licenseContainer--19yT6+.style-module--taglineText--2HXa_ { left:11px }.style-module--productFeatureListing--3o-tq .style-module--

featureContainer--3pom7 .style-module--feature--1cmjs .style-module--featureListing--1aaUS li .style-module--
licenseContainer--19yT6+h6{border-bottom:none;padding-bottom:0}.style-module--
productFeatureListingLicenseLegend--NqHMT{padding:0;list-style:none;text-align:left}.style-module--
productFeatureListingLicenseLegend--NqHMT .style-module--licenseContainer--19yT6{display:-ms-
flexbox;display:flex;-ms-flex-align:center;align-items:center;margin-bottom:3px}.style-module--
productFeatureListingLicenseLegend--NqHMT .style-module--licenseContainer--19yT6>i{position:relative;left:-
5px;margin-bottom:0}.style-module--productFeatureListingLicenseLegend--NqHMT .style-module--
licenseContainer--19yT6>span{color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-
spacing:0}.style-module--license--3SFD4{margin-top:2px;margin-bottom:2px;border-
radius:50%;height:10px;width:10px;display:inline-block}.style-module--license--3SFD4:first-child{margin-
top:0}.style-module--license--3SFD4:last-child{margin-bottom:0}.style-module--license--3SFD4.style-module--
oss--1HiEF{background:#000}.style-module--license--3SFD4.style-module--community--
UzeSP{background:#b78142}.style-module--license--3SFD4.style-module--commercial--
2qBc3{background:#81cfe2}.style-module--form--Fb2IX{max-width:470px;margin:0 auto;width:100%}.style-
module--form--Fb2IX h4{color:#173361;font-size:18px;font-weight:700;margin-bottom:25px}.style-module--form-
-Fb2IX .style-module--input--2JBor{line-height:1.9;padding-left:20px;padding-right:20px}.style-module--form--
Fb2IX .style-module--agreement--3H1Wu{color:#829494;font-size:10px;font-weight:300;line-height:2;margin-
top:15px}.style-module--form--Fb2IX .style-module--agreement--3H1Wu a{color:#829494;text-
decoration:underline}.style-module--form--Fb2IX .style-module--ctaContainer--3Ib9C{margin-top:30px}.style-
module--thankyou--IoZ3P{color:#173361;font-size:28px;font-weight:700}.trust-and-security-module--
trustAndSecurity--3rRmD .trust-and-security-module--content--LEELj{padding-bottom:0}.trust-and-security-
module--trustAndSecurity--3rRmD .trust-and-security-module--content--LEELj:last-of-type{padding-
bottom:100px}.trust-and-security-module--trustAndSecurity--3rRmD .trust-and-security-module--content--LEELj
h3{font-size:40px;font-weight:500}.trust-and-security-module--trustAndSecurity--3rRmD .trust-and-security-
module--noCardSection--rpkKy{color:#000;font-size:16px;font-weight:300;line-height:25px;letter-
spacing:0}@media screen and (min-width:768px){.trust-and-security-module--trustAndSecurity--3rRmD .trust-and-
security-module--noCardSection--rpkKy{width:50%}}@media screen and (min-width:768px){.trust-and-security-
module--trustAndSecurity--3rRmD .trust-and-security-module--cardSection--2DSJW{display:-ms-
flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:center;justify-content:center}}.trust-and-
security-module--trustAndSecurity--3rRmD .trust-and-security-module--cardSection--2DSJW p{margin-
bottom:100px;color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}.trust-and-security-
module--trustAndSecurity--3rRmD .trust-and-security-module--cardSection--2DSJW .trust-and-security-module--
card--2nTeP{border:3px solid hsla(0,0%,96.1%,.85);margin:10px;padding:15px}@media screen and (min-
width:768px){.trust-and-security-module--trustAndSecurity--3rRmD .trust-and-security-module--cardSection--
2DSJW .trust-and-security-module--card--2nTeP{-ms-flex-preferred-size:calc(33.33% - 20px);flex-
basis:calc(33.33% - 20px)}}.trust-and-security-module--trustAndSecurity--3rRmD .trust-and-security-module--
cardSection--2DSJW .trust-and-security-module--card--2nTeP>div{text-align:center}.trust-and-security-module--
trustAndSecurity--3rRmD .trust-and-security-module--cardSection--2DSJW .trust-and-security-module--card--
2nTeP img{width:70px;height:auto}@media screen and (max-width:991px){.what-is-apache-kafka-module--page--
1gMfr .what-is-apache-kafka-module--hero--1oBKZ>div{-ms-flex-direction:column;flex-
direction:column}}@media screen and (max-width:991px){.what-is-apache-kafka-module--page--1gMfr .what-is-
apache-kafka-module--hero--1oBKZ .what-is-apache-kafka-module--imageContainer--
3TVGK{display:block;margin-left:0;margin-top:60px}}.what-is-apache-kafka-module--page--1gMfr .what-is-
apache-kafka-module--hero--1oBKZ .what-is-apache-kafka-module--imageContainer--3TVGK img{border:9px
solid #81cfe2;cursor:pointer}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--
kafkaCompanySection--3iQT6 .what-is-apache-kafka-module--logoContainer--1njon{display:-ms-
flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:center;justify-content:center}.what-is-
apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaCompanySection--3iQT6 .what-is-

apache-kafka-module--logoContainer--1njON>div{-ms-flex-positive:0;flex-grow:0;-ms-flex-negative:1;flex-shrink:1;-ms-flex-preferred-size:20%;flex-basis:20%;margin:20px 0}@media screen and (max-width:991px){.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaCompanySection--3iQT6 .what-is-apache-kafka-module--logoContainer--1njON>div{-ms-flex-preferred-size:33.33333%;flex-basis:33.33333%}}@media screen and (max-width:991px) and (max-width:575px){.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaCompanySection--3iQT6 .what-is-apache-kafka-module--logoContainer--1njON>div{-ms-flex-preferred-size:100%;flex-basis:100%}}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaHelpSection--3tUwv .what-is-apache-kafka-module--container--1JCvj{text-align:left}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaHelpSection--3tUwv .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--section--3nQ7u{display:-ms-flexbox;display:flex;-ms-flex-align:start;align-items:flex-start;padding:50px 0}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaHelpSection--3tUwv .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--section--3nQ7u:nth-child(2n){-ms-flex-direction:row-reverse;flex-direction:row-reverse}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaHelpSection--3tUwv .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--section--3nQ7u:nth-child(2n)>div:first-child{margin-right:0;margin-left:80px}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaHelpSection--3tUwv .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--section--3nQ7u:nth-child(odd)>div:first-child{margin-right:80px}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaHelpSection--3tUwv .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--section--3nQ7u>div{-ms-flex:1 1;flex:1 1}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaHelpSection--3tUwv .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--section--3nQ7u>div:first-child{max-width:200px}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaHelpSection--3tUwv .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--section--3nQ7u h4{color:rgba(0,0,0,.85);font-size:18px;font-weight:700;letter-spacing:normal;margin:0 0 25px}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--kafkaHelpSection--3tUwv .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--section--3nQ7u p{color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--ebookSection--1F9gz .what-is-apache-kafka-module--card--22EH0{padding:55px}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq .what-is-apache-kafka-module--container--1JCvj{display:-ms-flexbox;display:flex}@media screen and (max-width:767px){.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq .what-is-apache-kafka-module--container--1JCvj{-ms-flex-direction:column-reverse;flex-direction:column-reverse;-ms-flex-align:center;align-items:center}}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--content--MHnSy{-ms-flex:1 1;flex:1 1;text-align:left;min-width:380px;color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}@media screen and (max-width:767px){.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--content--MHnSy{min-width:0}}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--content--MHnSy p{margin-bottom:20px}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--content--MHnSy .what-is-apache-kafka-module--ctaContainer--3WaCb{margin-top:40px}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--content--MHnSy .what-is-apache-kafka-module--ctaContainer--3WaCb a:first-child{margin-right:20px;margin-bottom:20px}.what-is-apache-kafka-module--page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq .what-is-apache-kafka-module--container--1JCvj .what-is-apache-kafka-module--imageContainer--3TVGK{-ms-

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flex:1 1;flex:1 1;max-width:440px;margin-left:60px}@media screen and (max-width:767px){.what-is-apache-
kafka-module--page--1gMfr .what-is-apache-kafka-module--toolsetSection--3LYlq .what-is-apache-kafka-module-
container--1JCvj .what-is-apache-kafka-module--imageContainer--3TVGK{margin-left:0;margin-
bottom:20px}}.style-module--pageList--3Lp5m h2{text-align:left;margin:0 0 50px}@media screen and (max-
width:991px){.style-module--pageList--3Lp5m h2{text-align:center}}.style-module--pageList--3Lp5m .style-
module--card--1Oi2-{background:hsla(0,0%,96.1%,.85)}.style-module--pageList--3Lp5m .style-module--
featureSection--2oJmJ{padding-top:25px;padding-bottom:50px}.style-module--pageList--3Lp5m .style-module--
featureSection--2oJmJ .style-module--cta--1oBkM{margin-top:50px}.style-module--pageList--3Lp5m .style-
module--upcomingSection--11yLX{padding-top:50px}.style-module--pageList--3Lp5m .style-module--
upcomingSection--11yLX .style-module--filters--2Blb4{display:-ms-flexbox;display:flex;-ms-flex-
pack:justify;justify-content:space-between}@media screen and (max-width:991px){.style-module--pageList--
3Lp5m .style-module--upcomingSection--11yLX .style-module--filters--2Blb4{-ms-flex-direction:column;flex-
direction:column}}@media screen and (max-width:991px){.style-module--pageList--3Lp5m .style-module--
upcomingSection--11yLX .style-module--filters--2Blb4 .style-module--filterContainer--1wo0p{margin-
bottom:50px}}.style-module--pageList--3Lp5m .style-module--upcomingSection--11yLX .style-module--filters--
2Blb4 .style-module--filterContainer--1wo0p>{*margin-left:10px;display:inline-block}@media screen and (max-
width:991px){.style-module--pageList--3Lp5m .style-module--upcomingSection--11yLX .style-module--filters--
2Blb4 .style-module--filterContainer--1wo0p>{*margin-bottom:10px}}.style-module--pageList--3Lp5m .style-
module--upcomingSection--11yLX .style-module--filters--2Blb4 .style-module--filterContainer--
1wo0p>div{width:180px}@media screen and (max-width:575px){.style-module--pageList--3Lp5m .style-module--
upcomingSection--11yLX .style-module--filters--2Blb4 .style-module--filterContainer--1wo0p>button,.style-
module--pageList--3Lp5m .style-module--upcomingSection--11yLX .style-module--filters--2Blb4 .style-module--
filterContainer--1wo0p>div{width:100%}}.style-module--pageList--3Lp5m .style-module--upcomingSection--
11yLX .style-module--card--1Oi2-,.style-module--pageList--3Lp5m .style-module--upcomingSection--11yLX
.style-module--card--1Oi2- h3{color:#173361}@media screen and (max-width:767px){.style-module--pageList--
3Lp5m .style-module--upcomingSection--11yLX .style-module--card--1Oi2- .style-module--imageContainer--
2jiv2{display:none}}.style-module--pageList--3Lp5m .style-module--upcomingSection--11yLX .style-module--
pagination--XYbB4{margin-top:100px}.style-module--pageList--3Lp5m .style-module--subscribeSection--24ic1
h3{color:#173361}.style-module--pageList--3Lp5m .style-module--subscribeSection--24ic1 p{width:90%}.style-
module--pageList--3Lp5m .style-module--noResults--1__V8{color:#000;font-size:28px;font-weight:500;text-
align:center;width:100%}.style-module--itemsWrapper--14yen{display:-ms-flexbox;display:flex;-ms-flex-
wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between;padding-left:0;margin-
bottom:0}.style-module--itemsWrapper--14yen .style-module--itemWrapper--RRnC6{margin:10px;text-
align:left;display:-ms-flexbox;display:flex}@media screen and (max-width:991px){.style-module--itemsWrapper--
14yen .style-module--itemWrapper--RRnC6{-ms-flex:0 1 100%!important;flex:0 1 100%!important}}.style-
module--itemsWrapper--14yen .style-module--itemContainer--2depM{display:-ms-
flexbox;display:flex;width:100%;text-decoration:none}.style-module--itemsWrapper--14yen .style-module--icon--
1rFOR{width:33px;height:33px;vertical-align:top;margin-right:10px;-ms-flex-negative:0;flex-shrink:0}.style-
module--itemsWrapper--14yen .style-module--itemContent--8xqYY{-ms-flex:1 1;flex:1 1}.style-module--
itemsWrapper--14yen .style-module--title--28I2K{font-size:18px;font-weight:700;color:#38ccd;line-
height:1.2;margin:0 0 10px;padding:0}.style-module--itemsWrapper--14yen .style-module--summary--
RCDk6{color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;width:90%}.style-
module--itemsWrapper--14yen .style-module--tagline--2UXR8{font-size:12px;letter-spacing:1.2px;font-
weight:500;color:#8e9093;text-transform:uppercase;margin:0 0 10px}.style-module--itemsWrapper--14yen .style-
module--bulletPointList--ppPyb{color:rgba(0,0,0,.85);font-size:14px;font-weight:300;line-height:1.63;-ms-flex:1
1;flex:1 1;list-style-type:disc;padding:0 0 20px}.style-module--itemsWrapper--14yen .style-module--
bulletPointList--ppPyb li{margin-bottom:5px}.style-module--itemsWrapper--14yen .style-module--bulletPointList--
ppPyb li:last-child{margin-bottom:0}.style-module--itemsWrapper--14yen .style-module--ctaContainer--

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QdgIZ{margin-top:auto}.style-module--itemsWrapper--14yen .style-module--ctaContainer--QdgIZ a{border-bottom:2px solid transparent;line-height:2;margin-bottom:-2px;text-decoration:none;color:#173361}.style-module--itemsWrapper--14yen .style-module--ctaContainer--QdgIZ a:hover{border-bottom-color:#38cccd}.style-module--itemsWrapper--14yen .style-module--ctaIcon--3oViO{width:25px;height:25px;-ms-flex-negative:0;flex-shrink:0;-ms-flex-item-align:center;align-self:center;margin-left:5px}.style-module--itemsWrapper--14yen .style-module--ctaIcon--3oViO svg{width:100%;height:100%;fill:#0074a2}.style-module--itemsWrapper--14yen .style-module--button--Dp9Wg{margin-top:20px}.get-involved-module--helpfulLinks--3_ckN p{margin-bottom:100px}.get-involved-module--helpfulLinks--3_ckN .get-involved-module--item--2VYcO{border:2px solid rgba(130,148,148,.25);padding:20px;border-radius:4px}.get-involved-module--helpfulLinks--3_ckN .get-involved-module--item--2VYcO h4{color:#173361}.get-involved-module--helpfulLinks--3_ckN .get-involved-module--item--2VYcO ul{list-style-type:none;padding-left:0}.get-involved-module--cardWrapper--3LJmC{border:2px solid rgba(130,148,148,.25);border-radius:4px;padding:20px;text-align:left;margin:10px 0}.get-involved-module--cardWrapper--3LJmC h5{font-size:18px;font-weight:700;color:#173361;margin:10px 0}.get-involved-module--cardWrapper--3LJmC li,.get-involved-module--cardWrapper--3LJmC p,.get-involved-module--cardWrapper--3LJmC strong{margin:10px 0}.s-dotted-line-module--svgGroup--2jY-S{stroke:#f5f5f5;stroke-opacity:.85;stroke-width:7;stroke-miterlimit:10;stroke-linecap:round;stroke-linejoin:round}.lp-module--cloudPaid--3tJKb{overflow-x:hidden;overflow-y:scroll}.lp-module--cloudPaid--3tJKb h3{color:#173361;font-size:28px;font-weight:500}.lp-module--cloudPaid--3tJKb .lp-module--primaryCta--3cJf0{position:relative;z-index:2}.lp-module--cloudPaid--3tJKb .lp-module--heroWrapper--1xp8_{position:relative}.lp-module--cloudPaid--3tJKb .lp-module--heroWrapper--1xp8_ .lp-module--heroImageContainer--3zPeI{position:absolute;max-width:none;right:-50px;top:80px;z-index:1}@media screen and (min-width:1690px){.lp-module--cloudPaid--3tJKb .lp-module--heroWrapper--1xp8_ .lp-module--heroImageContainer--3zPeI{max-width:400px;position:static}}@media screen and (max-width:1550px){.lp-module--cloudPaid--3tJKb .lp-module--heroWrapper--1xp8_ .lp-module--heroImageContainer--3zPeI{max-width:400px;position:static}}.lp-module--cloudPaid--3tJKb .lp-module--heroSummary--1IiQn{margin:20px 0}.lp-module--cloudPaid--3tJKb .lp-module--heroCtaContainer--2I2so{display:block;margin-top:0}.lp-module--cloudPaid--3tJKb .lp-module--heroItem--1feeF{margin:30px 0;position:relative;z-index:2}@media screen and (min-width:768px){.lp-module--cloudPaid--3tJKb .lp-module--heroItem--1feeF{-ms-flex-preferred-size:calc(50% - 20px)!important;flex-basis:calc(50% - 20px)!important}}.lp-module--cloudPaid--3tJKb .lp-module--heroItem--1feeF h4{color:#173361;font-weight:lighter}.lp-module--cloudPaid--3tJKb .lp-module--providerContent--1RhDi{position:relative}@media screen and (max-width:991px){.lp-module--cloudPaid--3tJKb .lp-module--providerContent--1RhDi{width:90%;margin:auto;text-align:center}}.lp-module--cloudPaid--3tJKb .lp-module--doMoreSection--3iPHv h4,.lp-module--cloudPaid--3tJKb .lp-module--providerContent--1RhDi h4{color:#173361}.lp-module--cloudPaid--3tJKb .lp-module--doMoreSection--3iPHv p,.lp-module--cloudPaid--3tJKb .lp-module--providerContent--1RhDi p{font-size:16px;font-weight:lighter;line-height:25px;margin:25px 0}@media screen and (min-width:992px){.lp-module--cloudPaid--3tJKb .lp-module--doMoreSection--3iPHv p,.lp-module--cloudPaid--3tJKb .lp-module--providerContent--1RhDi p,.lp-module--cloudPaid--3tJKb .lp-module--providerSummary--JM8tX{width:500px}}.lp-module--cloudPaid--3tJKb .lp-module--providerContentWrapper--2CQ-L{position:relative}.lp-module--cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;-ms-flex-align:center;align-items:center;padding:0}@media screen and (max-width:991px){.lp-module--cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF{-ms-flex-direction:column-reverse;flex-direction:column-reverse}}.lp-module--cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF>*{z-index:1}.lp-module--cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF .lp-module--providerContent--1RhDi h4{color:#173361;font-size:18px}.lp-module--cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF .lp-module--providerContent--1RhDi a:first-of-type{margin-right:10px}@media screen and (max-width:991px){.lp-module--cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF .lp-module--providerContent--1RhDi a:first-of-type{margin-bottom:20px}}.lp-module--cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF .lp-module--providersWrapper--24zGt{padding:20px;background:#fff;border-radius:8px}@media screen and (min-


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width:768px){.lp-module--cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF .lp-module--
providersWrapper--24zGt{position:relative;left:20px}}.lp-module--cloudPaid--3tJKb .lp-module--
providerSectionWrapper--3UeyF .lp-module--providersWrapper--24zGt h5{margin:0 0 10px
5px;color:#173361}.lp-module--cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF .lp-module--
providerBoxWrapper--26EGb{display:-ms-flexbox;display:flex}@media screen and (max-width:991px){.lp-
module--cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF .lp-module--providerBoxWrapper--
26EGb{-ms-flex-direction:column;flex-direction:column}}.lp-module--cloudPaid--3tJKb .lp-module--
providerSectionWrapper--3UeyF .lp-module--providerBoxWrapper--26EGb a{-ms-flex:1 1;flex:1 1}@media screen
and (max-width:991px){.lp-module--cloudPaid--3tJKb .lp-module--providerSectionWrapper--3UeyF .lp-module--
providerBoxWrapper--26EGb a{margin:10px 0}}.lp-module--cloudPaid--3tJKb .lp-module--connectorSvg--
17Rcb{position:absolute;max-width:none;z-index:0;top:-550px;left:-638px;display:none}@media screen and (min-
width:992px){.lp-module--cloudPaid--3tJKb .lp-module--connectorSvg--17Rcb{display:block}}@media screen and
(max-width:991px){.lp-module--cloudPaid--3tJKb .lp-module--connectorSvg--17Rcb{top:-390px;left:-677px}}.lp-
module--cloudPaid--3tJKb .lp-module--mobileConnectors--2IzTp{margin:40px 0;width:100%}@media screen and
(min-width:992px){.lp-module--cloudPaid--3tJKb .lp-module--mobileConnectors--2IzTp{display:none}}@media
screen and (min-width:992px){.lp-module--cloudPaid--3tJKb .lp-module--doMoreSection--
3iPHv{position:absolute;right:0;bottom:-677px}}@media screen and (min-width:992px){.lp-module--cloudPaid--
3tJKb .lp-module--democratizeSection--2vvoL{margin-top:700px;position:relative}}.lp-module--cloudPaid--3tJKb
.lp-module--democratizeSection--2vvoL .lp-module--contentWrapper--1Xboe{padding:20px 30px;border:7px solid
hsla(0,0%,96.1%,.85);border-radius:8px;background-color:#fff;display:-ms-flexbox;display:flex}@media screen
and (max-width:1199px){.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--
contentWrapper--1Xboe{-ms-flex-direction:column;flex-direction:column;padding:20px}}@media screen and
(max-width:1199px){.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--
textContent--2TwDa{text-align:center}}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-
module--textContent--2TwDa p{font-size:16px;font-weight:lighter}.lp-module--cloudPaid--3tJKb .lp-module--
democratizeSection--2vvoL .lp-module--content--4CKtc p{font-size:16px;font-weight:lighter;max-
width:100%;line-height:25px}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--
cliWrapper--3tA0m{-ms-flex:1 1;flex:1 1;position:relative;top:130px;left:80px;left:10px;border-radius:8px;box-
shadow:0 0 12px 0 rgba(0,0,0,.25);border:7px solid #fff;background-color:rgba(0,0,0,.25)}@media screen and
(max-width:1199px){.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--
cliWrapper--3tA0m{top:0;left:0;margin-top:50px}}@media (min-width:1250px){.lp-module--cloudPaid--3tJKb .lp-
module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m{left:80px}}@media screen and (min-
width:768px){.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--
3tA0m .lp-module--languages--iyhEB .lp-module--languagesDropDownMobile--2LY7x{display:none}}.lp-module--
cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--languages-
iyhEB .lp-module--languagesSelectDesktop--3tw1K{display:none}@media screen and (min-width:768px){.lp-
module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--
languages--iyhEB .lp-module--languagesSelectDesktop--3tw1K{display:block}}.lp-module--cloudPaid--3tJKb .lp-
module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--languages--iyhEB span{margin-
right:30px;font-weight:700;cursor:pointer;position:relative}.lp-module--cloudPaid--3tJKb .lp-module--
democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--languages--iyhEB span.lp-module--active-
-29vL5:after{content:"";position:absolute;bottom:-14px;background-color:#0074a2;width:120%;height:2px;left:-
10%}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-
module--languages--iyhEB hr{margin:10px 0;border-top:1px solid #829494}.lp-module--cloudPaid--3tJKb .lp-
module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--cliCode--
HUVpw{position:relative;height:290px;width:600px}@media screen and (max-width:1199px){.lp-module--
cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--cliCode--
HUVpw{height:520px;width:100%;display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-

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between}}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--cliCode--HUVpw div{position:absolute;top:0;width:100%;height:100%;opacity:0;pointer-events:none;transition:all .3s ease}@media screen and (max-width:1199px){.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--cliCode--HUVpw div{top:20px}}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--cliCode--HUVpw div.lp-module--active--29vL5{opacity:1;pointer-events:all}@media screen and (max-width:1199px){.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--cliCode--HUVpw div>*{word-break:break-word}}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--content--4CKtc{padding:40px;background:#f5f5f5;font-size:14px;font-weight:500}@media screen and (max-width:1199px){.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--content--4CKtc{padding:40px 20px}}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--content--4CKtc .red{color:#d8365d}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--content--4CKtc .blue{color:#173361}.lp-module--cloudPaid--3tJKb .lp-module--democratizeSection--2vvoL .lp-module--cliWrapper--3tA0m .lp-module--content--4CKtc .gray{color:#829494;font-weight:lighter}.lp-module--cloudPaid--3tJKb .lp-module--linesSvgWrapper--1mOwj.lp-module--cloudPaid--3tJKb .lp-module--svgBlueDotWrapper--3UNbd{display:none}@media screen and (min-width:1200px){.lp-module--cloudPaid--3tJKb .lp-module--linesSvgWrapper--1mOwj.lp-module--cloudPaid--3tJKb .lp-module--svgBlueDotWrapper--3UNbd{display:block}}.lp-module--cloudPaid--3tJKb .lp-module--linesSvgWrapper--1mOwj{position:absolute;bottom:-297px;left:400px}.lp-module--cloudPaid--3tJKb .lp-module--linesSvgWrapper--1mOwj img{max-width:none}.lp-module--cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--getStartedContentWrapper--jep6M{position:relative}@media screen and (min-width:1200px){.lp-module--cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--getStartedContentWrapper--jep6M{padding-top:100px}}.lp-module--cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--contentWrapper--1Xboe{text-align:center}.lp-module--cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--contentWrapper--1Xboe p{width:700px;max-width:100%;margin:40px auto 8rem;font-weight:lighter}.lp-module--cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--svgBlueDotWrapper--3UNbd{position:absolute;left:-450px;top:150px}.lp-module--cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--providersWrapper--24zGt{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}@media screen and (max-width:991px){.lp-module--cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--providersWrapper--24zGt{-ms-flex-direction:column;flex-direction:column}}.lp-module--cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--providersWrapper--24zGt img{margin:0 40px;height:25px;width:auto}@media screen and (max-width:991px){.lp-module--cloudPaid--3tJKb .lp-module--getStartedWrapper--1x7um .lp-module--providersWrapper--24zGt img{margin:20px 0;-o-object-fit:contain;object-fit:contain}}.lp-module--cloudPaid--3tJKb .lp-module--pricingTierClassName--1v6FQ,.lp-module--cloudPaid--3tJKb .lp-module--rowClassName--2Ha3_>div{-ms-flex-preferred-size:33.33%;flex-basis:33.33%}.lp-module--cloudPaid--3tJKb .lp-module--rowClassName--2Ha3_ div:last-of-type{display:none}.lp-module--cloudPaid--3tJKb .lp-module--rowClassName--2Ha3_ div:nth-of-type(1n) div{display:block}.lp-module--cloudPaid--3tJKb .lp-module--accordionWrapper--8x0YM{border:7px solid hsla(0,0%,96.1%,.85);max-height:70px;margin-bottom:10px}.lp-module--cloudPaid--3tJKb .lp-module--accordionWrapper--8x0YM div{background-color:transparent}.lp-module--cloudPaid--3tJKb .lp-module--indicator-nT6o1{top:30px}.lp-module--cloudPaid--3tJKb .lp-module--productClassName--3GJrk>div:first-of-type{text-align:center;color:#0074a2}.lp-module--cloudPaid--3tJKb .lp-module--buttonWrappers--ORW6O{margin:50px auto;text-align:center}@media screen and (max-width:991px){.lp-module--cloudPaid--3tJKb .lp-module--buttonWrappers--ORW6O{display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column}}.lp-module--cloudPaid--3tJKb .lp-module--buttonWrappers--ORW6O button{margin-right:20px;min-width:333px}@media screen and (max-width:991px){.lp-module--cloudPaid--3tJKb .lp-module--buttonWrappers--

ORW6O button{margin-bottom:20px;margin-right:0} .lp-module--cloudPaid--3tJKb .lp-module--notReadySection--2pAxi{padding-top:0} .lp-module--cloudPaid--3tJKb .lp-module--notReadySection--2pAxi .lp-module--heroSection--2NgW{text-align:center} .lp-module--cloudPaid--3tJKb .lp-module--notReadySection--2pAxi .lp-module--heroSection--2NgW p{margin:40px auto 100px} .lp-module--cloudPaid--3tJKb .lp-module--notReadySection--2pAxi .lp-module--card--3pJXp{background-color:hsla(0,0%,96.1%,.85)} .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--startupProgram--1GBXj{text-align:center} .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--startupProgram--1GBXj p{width:800px;max-width:100%;margin:50px auto;line-height:1.66} .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--eligibilityItem--2RhUI,.startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--whatYouGetItem--3qEMr{padding:20px;background-color:#fff} .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--eligibilitySummary--1Du4x{margin-bottom:100px} .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--titleEyebrow--VeLOp{margin-top:100px} .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--formWrapper--2cxAT{width:800px;margin:auto;max-width:100%}@media screen and (min-width:768px){.startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--formWrapper--2cxAT{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap}} .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--formWrapper--2cxAT+button{margin:50px 0} .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--formInput--jPIzn,.startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--select--3heGZ,.startup-program-module--confluentCloudStartupProgram--1Kzz4 fieldset{margin:5px}@media screen and (min-width:768px){.startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--formInput--jPIzn,.startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--select--3heGZ,.startup-program-module--confluentCloudStartupProgram--1Kzz4 fieldset{-ms-flex-preferred-size:calc(50% - 10px);flex-basis:calc(50% - 10px)}} .startup-program-module--confluentCloudStartupProgram--1Kzz4 fieldset label{font-size:16px;color:#173361;text-align:left;width:100%;margin-left:5px} .startup-program-module--confluentCloudStartupProgram--1Kzz4 fieldset label+div{margin:5px 0 !important} .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--textareaContainer--1eQLn{padding:0;-ms-flex-preferred-size:calc(100% - 10px);flex-basis:calc(100% - 10px);height:120px} .startup-program-module--confluentCloudStartupProgram--1Kzz4 textarea{width:100%;height:100%;padding:10px;border:2px solid hsla(0,0%,73.3%,.5);border-radius:4px;resize:none;font-size:14px} .startup-program-module--confluentCloudStartupProgram--1Kzz4 textarea::-webkit-input-placeholder{color:#829494;font-size:14px} .startup-program-module--confluentCloudStartupProgram--1Kzz4 textarea::-moz-placeholder{color:#829494;font-size:14px} .startup-program-module--confluentCloudStartupProgram--1Kzz4 textarea:-ms-input-placeholder{color:#829494;font-size:14px} .startup-program-module--confluentCloudStartupProgram--1Kzz4 textarea::placeholder{color:#829494;font-size:14px} .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--compliance--1zJwM{font-size:14px;color:#829494} .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--cardWrapper--3eY4F{text-align:left;border:2px solid rgba(130,148,148,.25);border-radius:4px;padding:20px;margin:10px 0} .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--cardWrapper--3eY4F h4{font-size:16px;color:#173361;font-weight:700} .startup-program-module--confluentCloudStartupProgram--1Kzz4 .startup-program-module--cardWrapper--3eY4F p{font-weight:lighter} .style-module--congratsSection--2EQP8{transition:all .3s ease;position:absolute;top:-30px;width:100%} .style-module--congratsSection--2EQP8 .style-module--deb--2TX30 .style-module--congratsSummary--TFgxt,.style-module--congratsSection--2EQP8 .style-module--docker--2a_E .style-module--congratsSummary--TFgxt,.style-module--congratsSection--2EQP8 .style-module--rpm--2E0-u .style-module--congratsSummary--TFgxt{margin-top:0} .style-module--congratsSection--2EQP8 .style-module--deb--2TX30 .style-module--congratsCardContainer--m4sNv,.style-module--congratsSection--2EQP8 .style-module--docker--2a_E .style-module--congratsCardContainer--m4sNv,.style-

module--congratsSection--2EQP8.style-module--rpm--2E0-u .style-module--congratsCardContainer--m4sNv{margin-top:25px}.style-module--congratsSection--2EQP8 h4{font-size:12px;color:#38ccd;letter-spacing:1.2px;text-transform:uppercase;margin-top:30px}.style-module--congratsSection--2EQP8 .style-module--congratslinkBelow--2UKCQ{font-size:28px;color:#173361;font-weight:500}.style-module--congratsSection--2EQP8 .style-module--congratsPrimaryCta--3W1pw{margin:25px 0}.style-module--congratsSection--2EQP8 .style-module--congratsCardSummary--2iw1g{font-size:14px;text-align:center;margin-bottom:15px}@media screen and (min-width:768px){.style-module--congratsSection--2EQP8 .style-module--congratsCardSummary--2iw1g{font-size:16px;margin-bottom:20px}}.style-module--congratsSection--2EQP8 .style-module--congratsSummary--TFgxt{color:#000;font-size:15px;width:450px;max-width:95%;margin:20px auto 0}.style-module--congratsSection--2EQP8 .style-module--congratsSummary--TFgxt p:first-of-type{margin-bottom:70px}.style-module--congratsSection--2EQP8 .style-module--congratsSummary--TFgxt p:nth-of-type(2n){width:90%;margin:auto;position:relative}.style-module--congratsSection--2EQP8 .style-module--congratsSummary--TFgxt p:nth-of-type(2n):after{content:"";width:100%;height:7px;position:absolute;left:0;right:0;background-color:hsla(0,0%,96.1%,.85);top:-40px}.style-module--congratsSection--2EQP8 .style-module--congratsCardContainer--m4sNv{margin-top:45px;display:-ms-flexbox;display:flex}.style-module--congratsSection--2EQP8 .style-module--congratsCard--3b0UR{background-color:hsla(0,0%,96.1%,.85);margin:0 5px;padding:15px;-ms-flex:1 1;flex:1 1;border-radius:4px;display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:center;justify-content:center}@media screen and (min-width:768px){.style-module--congratsSection--2EQP8 .style-module--congratsCard--3b0UR{padding:25px}}.style-module--congratsSection--2EQP8 .style-module--congratsCard--3b0UR h5{margin-top:0;margin-bottom:10px;-ms-flex:1 1;flex:1 1}@media screen and (min-width:768px){.style-module--congratsSection--2EQP8 .style-module--congratsCard--3b0UR h5{margin-bottom:25px}}.style-module--congratsSection--2EQP8 .style-module--congratsCard--3b0UR a{-ms-flex-item-align:end;align-self:flex-end}.style-module--cloudInlineContainer--3RAR4{position:absolute;top:-30px;width:100%;opacity:0;pointer-events:none;transition:all .3s ease}.style-module--cloudInlineContainer--3RAR4.style-module--active--1YH-z{opacity:1;pointer-events:auto}.style-module--cloudInlineContainer--3RAR4 .style-module--title--2Ke9N{margin:40px 0 35px;font-size:25px}@media screen and (min-width:768px){.style-module--cloudInlineContainer--3RAR4 .style-module--title--2Ke9N{font-size:28px}}.style-module--cloudInlineContainer--3RAR4 .style-module--summary--3MWdf{font-size:14px;font-weight:700;width:80%;margin:auto auto 30px}.index-module--downloadPage--1B_hx h1{margin-bottom:100px}.index-module--downloadPage--1B_hx .index-module--downloadHeroContent--58OwQ{width:100% !important}@media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X{display:-ms-flexbox;display:flex}}.index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X.index-module--us--tw5hJ .index-module--tos--359VS{display:none}.index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X.index-module--us--tw5hJ .index-module--tosUS--1UABB{display:block}.index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X.index-module--us--tw5hJ .index-module--forminputWrapper--3mlZa>div{margin-bottom:10px}@media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X.index-module--us--tw5hJ .index-module--forminputWrapper--3mlZa>div{margin-bottom:100px}}.index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X.index-module--us--tw5hJ .index-module--customerSupport--38442,.index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X.index-module--us--tw5hJ .index-module--existingAccount--2srAO{margin:10px 0}.index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X.index-module--us--tw5hJ .index-module--submitButton--2h0Vq{margin-top:0}@media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--solutionWrapper--LxF_X.index-module--us--tw5hJ .index-module--submitButton--2h0Vq{margin-top:30px}}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o{padding:17px;background-color:#fff;margin:0 10px;border-radius:8px;-ms-flex:1 1;flex:1 1;transition:all .4s ease}@media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-

module--solution--FKf7o.index-module--active--1NdXX{transform:scale3d(1.1,1.1,1.1);box-shadow:0 0 40px rgba(0,116,162,.2)}}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o.index-module--confluent_cloud--3nrz_{margin-bottom:50px}@media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--solution--FKf7o.index-module--confluent_cloud--3nrz_{margin-bottom:0}}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o.index-module--confluent_cloud--3nrz_.index-module--cardHero--1ArYr{background-color:#0074a2}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o.index-module--confluent_platform--3vE12 .index-module--checkboxWrapper--2fIXh{padding-left:0}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o.index-module--confluent_platform--3vE12 .index-module--cardHero--1ArYr{background-color:#38cccd}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardHero--1ArYr{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center;-ms-flex-align:center;align-items:center;padding:25px 0;border-radius:8px}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardHero--1ArYr svg{width:40px;height:40px}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardHero--1ArYr h2{color:#fff;margin:0 0 15px;font-size:20px}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT{position:relative}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT .index-module--initialCard--3c_ZU{transition:all .3s ease}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT .index-module--initialCard--3c_ZU.index-module--confluent_cloud--3nrz_.index-module--inactive--2BK4x.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT .index-module--initialCard--3c_ZU.index-module--confluent_platform--3vE12.index-module--confluentPlatformInactive--3WXY7,.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT .index-module--initialCard--3c_ZU.index-module--confluent_platform--3vE12.index-module--inactive--2BK4x{opacity:0;visibility:hidden;pointer-events:none}@media screen and (max-width:991px){.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT .index-module--initialCard--3c_ZU.index-module--confluent_platform--3vE12.index-module--confluentPlatformInactive--3WXY7 .index-module--solutionListItem--17-tZ,.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT .index-module--initialCard--3c_ZU.index-module--confluent_platform--3vE12.index-module--inactive--2BK4x .index-module--solutionListItem--17-tZ{padding:0}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT .index-module--initialCard--3c_ZU.index-module--confluent_platform--3vE12.index-module--confluentPlatformInactive--3WXY7 .index-module--solutionCta--2m2qB,.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT .index-module--initialCard--3c_ZU.index-module--confluent_platform--3vE12.index-module--inactive--2BK4x .index-module--solutionCta--2m2qB{display:none}}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT .index-module--initialCard--3c_ZU.index-module--confluent_cloud--3nrz_.index-module--summary--35fZk{font-weight:500}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--cardBody--2NwDT h3{margin:30px 0}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--summary--35fZk{margin:0 auto 40px;width:80%;font-size:16px}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--providerLogosWrapper--pF2yE,.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--summary--35fZk{margin-bottom:40px}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--providerLogosWrapper--pF2yE{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--providerLogosWrapper--pF2yE img{height:18px;width:auto;margin:0 10px}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--solutionListItemContainer--2floM div:first-of-type{margin-right:0}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--solutionListItem--17-tZ{background-color:hsla(0,0%,96.1%,.85);padding:15px;border-radius:4px;margin:5px}@media screen and (min-

width:992px){.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--solutionListItem--17-tZ{-ms-flex-preferred-size:calc(50% - 10px)!important;flex-basis:calc(50% - 10px)!important}}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--solutionListItem--17-tZ h4{color:#173361;font-size:16px;margin-bottom:5px}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--solutionListItem--17-tZ svg{width:25px;height:25px}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--solutionCta--2m2qB{display:block;margin:30px auto 20px}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--linkWrapper--AHRnEN{display:-ms-flexbox;display:flex;-ms-flex-pack:center;justify-content:center}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--solutionLinks--11NYN{font-size:12px;color:#0074a2;font-weight:500;text-transform:uppercase}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--solutionLinks--11NYN:first-of-type{margin-right:10px}.index-module--downloadPage--1B_hx .index-module--solution--FKf7o .index-module--solutionLinks--11NYN:last-of-type{margin-left:10px}.index-module--downloadPage--1B_hx .index-module--cloudInlineinputForm--2DP9u{width:100%;margin:5px}@media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--cloudInlineinputForm--2DP9u{width:calc(50% - 10px);max-width:220px}}.index-module--downloadPage--1B_hx .index-module--cloudInlineinputForm--2DP9u::-webkit-input-placeholder{font-size:14px}.index-module--downloadPage--1B_hx .index-module--cloudInlineinputForm--2DP9u::-moz-placeholder{font-size:14px}.index-module--downloadPage--1B_hx .index-module--cloudInlineinputForm--2DP9u:-ms-input-placeholder{font-size:14px}.index-module--downloadPage--1B_hx .index-module--cloudInlineinputForm--2DP9u::placeholder{font-size:14px}.index-module--downloadPage--1B_hx .index-module--customerSupport--38442,.index-module--downloadPage--1B_hx .index-module--existingAccount--2srAO{text-align:center;font-size:14px;margin:10px 0}.index-module--downloadPage--1B_hx .index-module--checkboxWrapper--2fIXh{position:relative;width:100%;margin:0 0 20px;color:rgba(0,0,0,.7);text-align:left}@media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--checkboxWrapper--2fIXh{padding-left:33px}}.index-module--downloadPage--1B_hx .index-module--checkboxWrapper--2fIXh input{position:absolute;opacity:0;cursor:pointer;height:0;width:0}.index-module--downloadPage--1B_hx .index-module--checkboxWrapper--2fIXh label{cursor:pointer;padding-left:30px}.index-module--downloadPage--1B_hx .index-module--checkboxWrapper--2fIXh .index-module--checkboxContainer--32hB2{display:block;position:relative;margin-top:12px;-webkit-user-select:none;-moz-user-select:none;-ms-user-select:none;user-select:none}.index-module--downloadPage--1B_hx .index-module--tos--359VS{font-size:12px;margin-top:20px}.index-module--downloadPage--1B_hx .index-module--tos--359VS p{font-size:12px;width:80%;margin:auto;line-height:1.4;color:#829494;text-align:center;line-height:20px}.index-module--downloadPage--1B_hx.index-module--us--tw5hJ .index-module--tos--359VS{display:none}.index-module--downloadPage--1B_hx.index-module--us--tw5hJ .index-module--tosUS--1UABB{display:block}.index-module--downloadPage--1B_hx .index-module--submitButton--2h0Vq{margin-top:0}.index-module--downloadPage--1B_hx .index-module--errorContainer--3w7-7{position:absolute;font-size:14px;padding:17px 50px;left:50%;width:448px;max-width:90%;-ms-transform:translateX(-50%);transform:translateX(-50%);background-color:#fbebef;transition:all .3s ease-in-out;opacity:0;visibility:hidden;border-radius:4px;text-align:center;z-index:10}.index-module--downloadPage--1B_hx .index-module--errorContainer--3w7-7 p{text-align:center;font-size:13px;color:#d8365d}.index-module--downloadPage--1B_hx .index-module--errorContainer--3w7-7 p:first-of-type{font-weight:700;font-size:15px}.index-module--downloadPage--1B_hx .index-module--errorContainer--3w7-7.index-module--show--3U7qP{opacity:1;visibility:visible}.index-module--downloadPage--1B_hx .index-module--disabled--1CF62{opacity:.4;pointer-events:none}.index-module--downloadPage--1B_hx .index-module--automatedInput--1LpO0 div,.index-module--downloadPage--1B_hx .index-module--automatedInput--1LpO0 li{text-transform:capitalize}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4{width:100%}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4::-webkit-input-placeholder{color:#173361}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4::-moz-placeholder{color:#173361}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4:-ms-input-

placeholder{color:#173361}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4::placeholder{color:#173361}.index-module--downloadPage--1B_hx .index-module--forminputWrapper--3mZa>div{display:inline-block;width:100%;margin-top:10px}@media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--forminputWrapper--3mZa>div{width:calc(50% - 5px)}}.index-module--downloadPage--1B_hx .index-module--forminputWrapper--3mZa>div:first-of-type{margin-right:10px}.index-module--downloadPage--1B_hx .index-module--communityForm--b6DJm,.index-module--downloadPage--1B_hx form[name=platform-download]{width:468px;max-width:95%;margin:auto}.index-module--downloadPage--1B_hx .index-module--inputWrapper--QNdWD{display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;margin-bottom:5px}@media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--inputWrapper--QNdWD{margin-bottom:50px}}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4{border:2px solid rgba(130,148,148,.25);border-radius:4px;margin-bottom:10px;font-size:14px}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4::-webkit-input-placeholder{font-size:14px}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4::-moz-placeholder{font-size:14px}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4:-ms-input-placeholder{font-size:14px}.index-module--downloadPage--1B_hx .index-module--formInput--1jFp4::placeholder{font-size:14px}.index-module--downloadPage--1B_hx .index-module--checkboxLabelWrapper--2nB_R{display:-ms-flexbox;display:flex;margin-top:15px}.index-module--downloadPage--1B_hx .index-module--checkboxLabelWrapper--2nB_R input{position:absolute;top:0;left:5px}.index-module--downloadPage--1B_hx .index-module--checkbox--2DhQ3{width:20px;height:20px}.index-module--downloadPage--1B_hx .index-module--label--3oQpp{margin-left:30px;font-size:13px;text-align:left;font-weight:lighter}.index-module--downloadPage--1B_hx .index-module--disclaimer--VRFBn{color:#829494;font-size:12px;width:80%;margin:10px auto 0}@media screen and (min-width:768px){.index-module--downloadPage--1B_hx .index-module--disclaimer--VRFBn{margin:20px auto 0}}@media screen and (min-width:992px){.style-module--cyojButtons--1HfVa{-ms-flex:0 1 440px;flex:0 1 440px}}.style-module--cyojButtons--1HfVa .style-module--cyojButtonItemContainer--37zsn{display:-ms-flexbox;display:flex}@media screen and (max-width:991px){.style-module--cyojButtons--1HfVa .style-module--cyojButtonItemContainer--37zsn{-ms-flex-pack:center;justify-content:center}}.style-module--cyojButtons--1HfVa .style-module--cyojButtonItem--2sUgH{-ms-flex:0 1 100%!important;flex:0 1 100%!important;max-width:385px;padding:20px 15px;transition:all .3s ease;background-color:#c4eff2}.style-module--cyojButtons--1HfVa .style-module--cyojButtonItem--2sUgH: hover{cursor:pointer;background-color:#d7eff6;-ms-transform:translateX(2px);transform:translateX(2px)}.style-module--cyojButtons--1HfVa .style-module--cyojButtonItem--2sUgH h4{color:#000}.index-module--page--2ZXnp .index-module--featuresSection--3SDMM{border-bottom:1px solid #979797}.index-module--page--2ZXnp .index-module--heroButton--IQFhB{margin-top:70px}.index-module--page--2ZXnp .index-module--videoSection--251ZS{display:none;padding-bottom:0;margin-bottom:15px}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h{padding-bottom:50px}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_{display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;-ms-flex-direction:column;flex-direction:column;text-align:left}@media screen and (min-width:992px){.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_{-ms-flex-direction:row;flex-direction:row;padding:80px 0}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_.first-child{padding-top:0}}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_h4{color:#173361;font-size:28px;font-weight:500;margin:10px 0 25px}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_p{color:#173361;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;text-align:left;max-width:100%;margin-bottom:50px}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_>img{margin:40px 0;max-width:80%}@media screen and (min-width:992px){.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_>img{max-width:500px;width:50%;margin:0}}.index-module--page--2ZXnp .index-module--

howWeWorkSection--qf78h .index-module--content--3rXH_>div {padding-bottom:20px} @media screen and (min-width:992px){.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_>div {margin-right:80px;width:50%}} @media screen and (min-width:992px){.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_:nth-child(2n){-ms-flex-direction:row-reverse;flex-direction:row-reverse}} @media screen and (min-width:992px){.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_:nth-child(2n)>div {margin-right:0;margin-left:80px}}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_:last-child>img {box-shadow:0 7px 22px 0 rgba(0,0,0,.18)}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_ .index-module--ctaContainer--vPfYP {margin-bottom:30px;display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center} @media screen and (min-width:768px){.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_ .index-module--ctaContainer--vPfYP {text-align:left}}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_ .index-module--ctaContainer--vPfYP

img {margin:0}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_ .index-module--ctaContainer--vPfYP svg {margin-right:10px;width:30px}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_ .index-module--ctaContainer--vPfYP>a {color:#173361;font-size:12px;font-weight:500;line-height:2.67;letter-spacing:2px;border-bottom:2px solid transparent;line-height:2;margin-bottom:-2px;text-decoration:none;text-transform:uppercase}.index-module--page--2ZXnp .index-module--howWeWorkSection--qf78h .index-module--content--3rXH_ .index-module--ctaContainer--vPfYP>a: hover {border-bottom-color:#38ccd}.index-module--page--2ZXnp .index-module--testimonial--1zkh {background-color:transparent;border-radius:8px;margin:0 25px;border-bottom:1px solid hsla(0,0%,59.2%,.44)} @media screen and (max-width:767px){.index-module--page--2ZXnp .index-module--testimonial--1zkh {border-radius:0;margin-left:0;margin-right:0}}.index-module--page--2ZXnp .index-module--testimonial--1zkh .index-module--carousel--3r2kH>div {background:hsla(0,0%,96.1%,.85);border-radius:6px}.index-module--page--2ZXnp .index-module--testimonial--1zkh .index-module--indexPagerClassName--2tStw {overflow-x:hidden} @media screen and (max-width:991px){.index-module--page--2ZXnp .index-module--testimonial--1zkh .index-module--indexPagerClassName--2tStw {overflow-x:scroll}}.index-module--page--2ZXnp .index-module--testCyoj2--1fi8L>div {padding:20px 15px} @media screen and (max-width:991px){.index-module--page--2ZXnp .index-module--testCyoj2--1fi8L>div {text-align:center;-ms-flex-direction:column;flex-direction:column;padding:50px 15px}}.index-module--page--2ZXnp .index-module--testCyoj2--1fi8L .index-module--mainContent--1VUgb {width:100%} @media screen and (min-width:992px){.index-module--page--2ZXnp .index-module--testCyoj2--1fi8L .index-module--mainContent--1VUgb {width:70%}} @media screen and (min-width:992px){.index-module--page--2ZXnp .index-module--testCyoj2--1fi8L .index-module--rightContent--16YCw {-ms-flex:0 1 440px;flex:0 1 440px}} @media screen and (max-width:991px){.index-module--page--2ZXnp .index-module--testCyoj2--1fi8L .index-module--rightContent--16YCw {margin-top:50px}}.index-module--introSection--2wiS_ {padding-bottom:15px} @media screen and (min-width:768px){.index-module--introSection--2wiS_ {padding-top:0;margin-top:-75px}}.index-module--introSection--2wiS_ .index-module--content--2y6NX .index-module--videoContainer--3de4T img {cursor:pointer;max-width:580px;width:100%;margin-bottom:20px}.index-module--introSection--2wiS_ .index-module--content--2y6NX .index-module--videoContainer--3de4T p {color:#173361;font-size:16px;line-height:26px}.index-module--introSection--2wiS_ .index-module--content--2y6NX .index-module--videoContainer--3de4T p small {font-size:12px;font-weight:300}.index-module--quoteSection--2EqiD {border:7px solid hsla(0,0%,96.1%,.85);border-radius:8px;padding:100px;margin-top:0;margin-bottom:15px} @media screen and (max-width:767px){.index-module--quoteSection--2EqiD {padding:50px 25px}}.index-module--quoteSection--2EqiD h4 {color:#173361;font-size:12px;font-weight:500;letter-spacing:1.2px;text-transform:uppercase}.index-module--quoteSection--2EqiD div {color:#173361;font-size:12px;font-weight:300;text-transform:uppercase}.index-module--quoteSection--2EqiD blockquote {color:#38ccd;font-size:24px;font-weight:700;font-style:italic;padding:0;border:0;margin:30px 0 0;line-height:1.3}.index-module--releaseCalendarSection--1VSYn .index-module--content--2y6NX .index-module--

summary--cZ8qe{max-width:600px;width:90%;margin:0 auto}.index-module--releaseCalendarSection--1VSYn .index-module--content--2y6NX .index-module--grid--Ab3-o{margin-top:100px}.index-module--releaseCalendarSection--1VSYn .index-module--content--2y6NX .index-module--grid--Ab3-o .index-module--card--Oaxik{padding:25px}.index-module--releaseCalendarSection--1VSYn .index-module--content--2y6NX .index-module--grid--Ab3-o .index-module--card--Oaxik>{*text-align:center}.index-module--releaseCalendarSection--1VSYn .index-module--content--2y6NX .index-module--grid--Ab3-o .index-module--card--Oaxik h3{max-width:230px;margin:0 auto;width:100%}.index-module--releaseCalendarSection--1VSYn .index-module--content--2y6NX .index-module--grid--Ab3-o .index-module--card--Oaxik .index-module--ctaContainer--P0vas{margin:auto 0 10px}.index-module--stayUpdatedSection--3bMUB .index-module--list--3jzNm li{border:2px solid hsla(0,0%,96.1%,.85);border-radius:4px;padding:25px}.index-module--stayUpdatedSection--3bMUB .index-module--list--3jzNm li h4{color:#173361}.services-module--sectionContent--3IPMq{margin-top:25px;margin-bottom:25px}.services-module--sectionContent--3IPMq .services-module--featureItem--1emNP{background-color:#fff;padding:35px}.services-module--sectionContent--3IPMq .services-module--featureItem--1emNP h4{color:#000}.services-module--professionalServices--2mnoh .services-module--levelsSection--1NwNA h3{width:680px;max-width:90%;margin:auto;color:#173361}@media screen and (min-width:768px){.services-module--levelsContainer--1UGhY{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap}}.services-module--levelsContainer--1UGhY .services-module--levelWrapper--3etJ_{margin:0 10px;-ms-flex:1 1;flex:1 1}.services-module--levelsContainer--1UGhY .services-module--levelNumber--01Fe{color:#b78142;font-size:24px}.services-module--levelsContainer--1UGhY .services-module--levelTitle--2GkBA{font-size:12px;color:#829494;text-transform:uppercase;padding:15px 0;border-bottom:2px solid hsla(0,0%,96.1%,.85)}.services-module--levelsContainer--1UGhY .services-module--levelsCompletedBox--J_g_h{height:90px;background:hsla(0,0%,96.1%,.85);display:-ms-flexbox;display:flex;-ms-flex-direction:column-reverse;flex-direction:column-reverse}.services-module--levelsContainer--1UGhY .services-module--levelsCompletedBox--J_g_h .services-module--fadeLevelElement--37r88{width:100%;height:20%;position:relative;display:block}.services-module--levelsContainer--1UGhY .services-module--levelSubTitle--2Y3Jr{font-size:14px;padding:15px 0;color:#173361;border-bottom:2px solid hsla(0,0%,96.1%,.85);text-align:left;min-height:70px}.services-module--levelsContainer--1UGhY .services-module--levelsUnorderedList--2BRg{list-style-type:disc;padding-left:5px;font-size:12px}.services-module--levelsContainer--1UGhY .services-module--levelsListItem--2Ks7L{text-align:left;margin:15px 0}.services-module--levelsContainer--1UGhY .services-module--level1--1XMHR{background-color:#e6f5fb}.services-module--levelsContainer--1UGhY .services-module--level2--1mRB6{background-color:#b4e1e4}.services-module--levelsContainer--1UGhY .services-module--level3--1b23n{background-color:#81cfe2}.services-module--levelsContainer--1UGhY .services-module--level4--28gIy{background-color:#0074a2}.services-module--levelsContainer--1UGhY .services-module--level5--1oRnw{background-color:#173361}.services-module--howWeWorkWrapper--2HWk2{text-align:left;padding:25px;background-color:#fff;margin-top:100px}@media screen and (max-width:767px){.services-module--howWeWorkWrapper--2HWk2{background-color:hsla(0,0%,96.1%,.85);text-align:center}}.services-module--howWeWorkSectionTitle--3Xxgl{font-size:28px;font-weight:500}.services-module--engageBulletPointList--34lhS{margin-bottom:40px;padding-left:15px}.services-module--engageBulletPointItem--3LyLB{margin:15px 0;font-size:14px}.services-module--titleTableWrapper--2nAyT{display:-ms-flexbox;display:flex;background-color:hsla(0,0%,96.1%,.85);margin:15px 0;padding:25px}@media screen and (max-width:767px){.services-module--titleTableWrapper--2nAyT{display:none}}.services-module--titleTableWrapper--2nAyT .services-module--table--1s4Ut{-ms-flex:1 1;flex:1 1}.services-module--titleTableWrapper--2nAyT .services-module--tableHead--2cWUO{border-bottom:7px solid #fff;padding-bottom:25px;width:33%}.services-module--titleTableWrapper--2nAyT .services-module--tableRow--1fegK:not(:last-of-type){border-bottom:2px solid #fff}.services-module--titleTableWrapper--2nAyT .services-module--tableData--2Q4Vf{padding:15px 0;font-size:14px}.services-module--titleTableWrapper--2nAyT .services-module--tableData--2Q4Vf a{color:#0074a2}.services-module--consultingTitle--3Utoe,.services-module--tableTitle--2qtfX{margin:0 60px 0 0;width:15ch;line-height:1.2;letter-spacing:1.2px}.services-module--

consultingWrapper--2FSj7 {padding:75px 25px;display:-ms-flexbox;display:flex;background-color:hsla(0,0%,96.1%,.85)} @media screen and (max-width:767px) { .services-module--consultingWrapper--2FSj7 {display:none} } .services-module--mobileSectionWrapper--3Y5aQ {text-align:center} @media screen and (min-width:768px) { .services-module--mobileSectionWrapper--3Y5aQ {display:none} } .services-module--mobileSectionWrapper--3Y5aQ .services-module--mobileTitle--1kNDb {padding-bottom:30px;border-bottom:7px solid #fff} .services-module--mobileSectionWrapper--3Y5aQ .services-module--mobileList--1nV-2 {list-style-type:none;padding-left:0} .services-module--mobileSectionWrapper--3Y5aQ .services-module--mobileList--1nV-2,.services-module--mobileSectionWrapper--3Y5aQ .services-module--mobileListItem--2SotR {padding:12px 0} .services-module--mobileSectionWrapper--3Y5aQ .services-module--mobileListItem--2SotR {border-bottom:2px solid #fff} .services-module--mobileSectionWrapper--3Y5aQ .services-module--mobileListItem--2SotR a {color:#173361} .services-module--ctaButton--3iqVy {margin-top:100px} .training-module--training--3zAl6 .training-module--item--i_dAy {padding:30px 20px;background-color:#fff} .training-module--training--3zAl6 .training-module--item--i_dAy h4 {color:#173361} .training-module--training--3zAl6 .training-module--jumpWrapper--3wumc {margin-top:50px} @media screen and (min-width:768px) { .training-module--training--3zAl6 .training-module--jumpWrapper--3wumc {display:-ms-flexbox;display:flex} } .training-module--training--3zAl6 .training-module--jumpWrapper--3wumc .training-module--jumpItemWrapper--1CcRz {display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column;-ms-flex-preferred-size:calc(50% - 100px);flex-basis:calc(50% - 100px);margin:50px} @media screen and (min-width:768px) { .training-module--training--3zAl6 .training-module--jumpWrapper--3wumc .training-module--jumpItemWrapper--1CcRz {margin:50px 90px} } .training-module--training--3zAl6 .training-module--jumpWrapper--3wumc .training-module--jumpItemWrapper--1CcRz .training-module--icon--J6e5z {width:64px;height:64px;margin:auto} .training-module--training--3zAl6 .training-module--jumpWrapper--3wumc .training-module--jumpItemWrapper--1CcRz h4 {margin-top:20px;font-size:28px;font-weight:500;color:#173361} .training-module--training--3zAl6 .training-module--jumpWrapper--3wumc .training-module--jumpItemWrapper--1CcRz p {margin:20px 0;-ms-flex:1 1;flex:1 1} .training-module--training--3zAl6 .training-module--jumpWrapper--3wumc .training-module--jumpItemWrapper--1CcRz a {-ms-flex-item-align:center;align-self:center} .training-module--training--3zAl6 .training-module--learningPathsWrapper--392uo .training-module--summary--jGfIP {width:800px;max-width:90%;margin:auto} .training-module--training--3zAl6 .training-module--mainTile--2qI8h {margin-top:50px;background-color:#173361;padding:40px;color:#fff;border-radius:8px} .training-module--training--3zAl6 .training-module--mainTile--2qI8h h4 {margin-bottom:20px} .training-module--training--3zAl6 .training-module--mainTile--2qI8h p {font-weight:lighter;color:hsla(0,0%,96.1%,.85)} @media screen and (min-width:768px) { .training-module--training--3zAl6 .training-module--columnWrapper--vqs_A {display:-ms-flexbox;display:flex} } .training-module--training--3zAl6 .training-module--trackColumn--3JQ0P {-ms-flex-preferred-size:100%;flex-basis:100%} @media screen and (min-width:768px) { .training-module--training--3zAl6 .training-module--trackColumn--3JQ0P {-ms-flex-preferred-size:calc(50% - 10px);flex-basis:calc(50% - 10px);margin:0 5px} } .training-module--training--3zAl6 .training-module--trackWrapper--2n2Ie {margin:40px 0} .training-module--training--3zAl6 .training-module--trackWrapper--2n2Ie h3,.training-module--training--3zAl6 .training-module--trackWrapper--2n2Ie h4 {font-weight:700;color:#173361} .training-module--training--3zAl6 .training-module--trackWrapper--2n2Ie h4 {font-size:21px;padding-bottom:40px;margin:0;position:relative} .training-module--training--3zAl6 .training-module--trackWrapper--2n2Ie h4:before {display:none} @media screen and (min-width:768px) { .training-module--training--3zAl6 .training-module--trackWrapper--2n2Ie h4:before {display:block} } .training-module--training--3zAl6 .training-module--trackWrapper--2n2Ie h3 {font-size:18px;margin-bottom:20px} .training-module--training--3zAl6 .training-module--trackWrapper--2n2Ie p {font-size:16px} .training-module--training--3zAl6 .training-module--trackWrapper--2n2Ie .training-module--contentWrapper--7vfjv {background-color:#d7eff6;padding:40px;border-radius:8px;position:relative;min-height:240px} .training-module--training--3zAl6 .training-module--trackWrapper--2n2Ie .training-module--contentWrapper--7vfjv p {color:#000} .training-module--training--3zAl6 .training-module--contentWrapper--7vfjv .training-module--dottedLine--3LVdy:before,.training-module--training--3zAl6 .training-

module--trackWrapper--2n2Ie h4:before{ content:"";width:2px;height:25px;border:1px dashed #829494;position:absolute;left:50%;top:-30px }.training-module--training--3zA16 .training-module--competitiveList-1v2ZW h4{ font-weight:500;font-size:14px;line-height:15px;color:#173361;letter-spacing:.1em;text-transform:uppercase }.training-module--training--3zA16 .training-module--competitiveList-1v2ZW .training-module--competitiveListItemWrapper--xvg6L{ margin-top:50px } @media screen and (min-width:768px){ .training-module--training--3zA16 .training-module--competitiveList-1v2ZW .training-module--competitiveListItemWrapper--xvg6L{ display:-ms-flexbox;display:flex } }.training-module--training--3zA16 .training-module--competitiveList-1v2ZW .training-module--competitiveListItemWrapper--xvg6L a{ -ms-flex:1 1;flex:1 1 }.training-module--training--3zA16 .training-module--competitiveList-1v2ZW .training-module--competitiveListItemWrapper--xvg6L .training-module--competitiveListItem--9CGyo{ background-color:#b4e1e4;-ms-flex-preferred-size:100%;flex-basis:100%;margin:30px 0;padding:35px 40px;border-radius:8px;position:relative } @media screen and (min-width:768px){ .training-module--training--3zA16 .training-module--competitiveList-1v2ZW .training-module--competitiveListItemWrapper--xvg6L .training-module--competitiveListItem--9CGyo{ -ms-flex-preferred-size:calc(50% - 10px);flex-basis:calc(50% - 10px);margin:0 5px } }.training-module--training--3zA16 .training-module--competitiveList-1v2ZW .training-module--competitiveListItemWrapper--xvg6L .training-module--competitiveListItem--9CGyo svg{ position:absolute;top:-17px;left:calc(50% - 17px) } @media screen and (min-width:768px){ .training-module--training--3zA16 .training-module--competitiveList-1v2ZW .training-module--competitiveListItemWrapper--xvg6L .training-module--competitiveListItem--9CGyo svg{ left:calc(50% - 8px) } }.training-module--training--3zA16 .training-module--competitiveList-1v2ZW .training-module--competitiveListItemWrapper--xvg6L .training-module--competitiveListItem--9CGyo h5{ font-weight:700;font-size:18px;line-height:23px;text-align:center;color:#173361 }.training-module--training--3zA16 .training-module--resourceItem--jSSBu{ -ms-flex-preferred-size:100% !important;flex-basis:100% !important;background-color:#fff;padding:25px;margin:5px 0;border-radius:8px }.training-module--training--3zA16 .training-module--resourceItem--jSSBu h4{ color:#173361 }.training-module--training--3zA16 .training-module--contactSection--2NDa0 h3{ color:#173361;width:700px;max-width:95%;margin:0 auto 20px }.training-module--training--3zA16 .training-module--formWrapper--5h42K{ max-width:600px;margin:40px auto 0 } @media screen and (min-width:768px){ .training-module--training--3zA16 .training-module--formWrapper--5h42K{ display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;-ms-flex-wrap:wrap;flex-wrap:wrap } }.training-module--training--3zA16 .training-module--formWrapper--5h42K .training-module--formInputDiv--3SCsU,.training-module--training--3zA16 .training-module--formWrapper--5h42K input{ -ms-flex-preferred-size:calc(50% - 10px);flex-basis:calc(50% - 10px);margin:5px }.training-module--training--3zA16 .training-module--formWrapper--5h42K .training-module--state--1dtzQ{ opacity:0;pointer-events:none;transition:all .2s ease }.training-module--training--3zA16 .training-module--formWrapper--5h42K .training-module--show--1A9cH{ opacity:1;pointer-events:auto }.training-module--training--3zA16 .training-module--formWrapper--5h42K button{ margin:50px auto 0 } @media screen and (max-width:767px){ .training-module--training--3zA16 .training-module--formWrapper--5h42K button{ margin-top:25px;margin-left:0 } }.training-module--training--3zA16 .training-module--formWrapper--5h42K textarea{ width:100%;height:100%;padding:10px;border:none;resize:none;font-size:14px;border:2px solid rgba(130,148,148,.25);border-radius:4px }.training-module--training--3zA16 .training-module--formWrapper--5h42K textarea::-webkit-input-placeholder{ color:#829494;font-size:14px }.training-module--training--3zA16 .training-module--formWrapper--5h42K textarea::-moz-placeholder{ color:#829494;font-size:14px }.training-module--training--3zA16 .training-module--formWrapper--5h42K textarea:-ms-input-placeholder{ color:#829494;font-size:14px }.training-module--training--3zA16 .training-module--formWrapper--5h42K textarea::placeholder{ color:#829494;font-size:14px }.training-module--training--3zA16 .training-module--formWrapper--5h42K .training-module--textareaContainer--3x7vs{ -ms-flex-preferred-size:100%;flex-basis:100% }.training-module--training--3zA16 .training-module--disclaimer--3ahJU{ font-weight:300;font-size:16px;color:#829494;margin-top:25px }.training-module--training--3zA16 .training-module--thankYou--1Yrzn{ margin-top:50px;font-size:20px }.style-module--imageContainer--bXGzM img{ width:250px } @media screen

and (max-width:767px){.style-module--logosContentContainer--28fgQ{padding:50px}}@media screen and (min-width:768px){.style-module--logosContent--3FV2R{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between}}.style-module--logos--3A4oE{height:80px;width:auto;max-width:180px;-o-object-fit:contain;object-fit:contain}@media screen and (max-width:767px){.style-module--logos--3A4oE{display:block;margin:50px auto}}.style-module--whyWrapper--1wuBn{background-color:#fff;padding:65px 15px 0}@media screen and (min-width:992px){.style-module--whyWrapper--1wuBn{padding:100px 150px 65px !important}}.style-module--whyWrapper--1wuBn .style-module--whySummary--3z6Nx{margin-bottom:50px}.style-module--whyWrapper--1wuBn .style-module--item--1__t0{-ms-flex:0 1 300px !important;flex:0 1 300px !important;margin-bottom:50px}.style-module--whyWrapper--1wuBn .style-module--item--1__t0 h5{color:#173361}@media screen and (min-width:992px){.style-module--whyWrapper--1wuBn .style-module--item--1__t0{-ms-flex-preferred-size:calc(50% - 20px) !important;flex-basis:calc(50% - 20px) !important}}.style-module--whyWrapper--1wuBn .style-module--item--1__t0>div:first-child{margin-right:15px}.style-module--whyWrapper--1wuBn .style-module--copy--22gHW{font-weight:300;line-height:1.86;color:#000;font-size:14px;text-align:center;margin-top:37px;margin-bottom:85px}.style-module--featuresSummary--1SumP{width:800px;max-width:90%;margin:0 auto 50px}@media screen and (min-width:768px){.style-module--ctaContentWrapper--1LgW6{display:-ms-flexbox;display:flex}}.style-module--ctaItem--2ZJ67{-ms-flex:1 1;flex:1 1;position:relative}@media screen and (min-width:768px){.style-module--ctaItem--2ZJ67:first-of-type:after{content:"";width:2px;height:100%;top:0;background-color:rgba(130,148,148,.25);position:absolute:right:0}}@media screen and (max-width:991px){.style-module--ctaItem--2ZJ67{margin:50px auto}}.style-module--ctaItem--2ZJ67 h3{width:80%;margin:0 auto 30px;font-size:18px;font-weight:700;color:#173361}.style-module--tryConfluent--msw3g{max-width:990px;margin:0 auto}@media screen and (min-width:768px){.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN{display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between}}.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF{text-align:center;background-color:#fff;position:relative;border-radius:4.2px;width:100%}@media screen and (min-width:768px){.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF{position:relative;min-height:328px;margin:0;max-width:480px}}@media screen and (min-width:768px){.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF:first-child{margin-right:30px}}.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF:last-child .style-module--content--Yu3YZ{margin-bottom:0}.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF h5{color:rgba(0,0,0,.85);font-size:28px;font-weight:500}@media screen and (max-width:767px){.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF h5{font-size:21px}}.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF p{color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:2.67;letter-spacing:0;margin-top:30px;min-height:80px}@media screen and (max-width:767px){.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF p{min-height:auto;margin-bottom:35px}}.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF .style-module--smallTitle--257dk{color:#173361;font-size:12px;font-weight:500;line-height:2.67;letter-spacing:2px;text-transform:uppercase}.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF .style-module--icon--20nvY{position:absolute;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%);top:-30px}.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF .style-module--content--Yu3YZ{padding:53px 40px 30px;margin-bottom:60px;border-radius:4.2px}@media screen and (min-width:768px){.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF .style-module--content--Yu3YZ{margin-bottom:0}}.style-module--tryConfluent--msw3g .style-module--productContainer--2hTfN .style-module--product--1QvjF .style-module--ctaContainer--1q6Xl{margin-bottom:40px}.style-module--tryConfluent--msw3g .style-module--disclaimer--2Z9-a{margin:15px;font-size:14px;font-weight:700;line-height:1.79;text-align:left}.style-

module--tooltip--2A6h4{display:inline-block;position:relative;vertical-align:top;margin-left:3px}.style-module--
tooltip--2A6h4.underline.style-module--bottomRight--Gz-Xz{position:absolute;left:0;width:100%;border-
bottom:1px solid #babad0;margin-left:0}.style-module--tooltip--2A6h4.underline .style-module--hidden--
k4GRS{width:250px;left:-70px}.style-module--tooltip--2A6h4.underline .style-module--hidden--
k4GRS:before{display:none}.style-module--tooltip--2A6h4.underline .style-module--default--
1Q4QX{opacity:0;pointer-events:none}.style-module--tooltip--2A6h4 p{color:#4a4a4a;font-size:12px;font-
weight:300;letter-spacing:.4px;line-height:1.5;margin:0}.style-module--tooltip--2A6h4 .style-module--default--
1Q4QX{border-radius:20px;border:1px solid #8e9093;color:#8e9093;font-size:8px;padding:1px 5px}.style-module--
tooltip--2A6h4 .style-module--content--3mxKy{transition:opacity .25s ease-in-out}.style-module--tooltip--2A6h4
.style-module--content--3mxKy.style-module--hidden--k4GRS{background:#fff;border:1px solid
#eee;opacity:0;position:absolute;pointer-events:none;margin:20px 5px;padding:10px;z-index:20}.style-module--
tooltip--2A6h4 .style-module--content--3mxKy.style-module--arrow--1YkB5{margin:30px 5px}.style-module--
tooltip--2A6h4 .style-module--content--3mxKy.style-module--arrow--
1YkB5:before{content:"";display:block;position:absolute;width:0;height:0;border-left:10px solid
transparent;border-right:10px solid transparent;border-bottom:10px solid #fff}.style-module--tooltip--2A6h4.style-
module--bottomRight--Gz-Xz .style-module--default--1Q4QX+div{top:0;left:-20px}.style-module--tooltip--
2A6h4.style-module--bottomRight--Gz-Xz>div:before{top:-8px;left:14px}.style-module--tooltip--2A6h4.style-
module--bottomLeft--viYel .style-module--default--1Q4QX+div{top:0;left:-224px}.style-module--tooltip--
2A6h4.style-module--bottomLeft--viYel>div:before{top:-8px;left:214px}.style-module--tooltip--2A6h4: hover
.style-module--hidden--k4GRS{opacity:1;pointer-events:auto}@media (max-width:576px){.style-module--tooltip--
2A6h4{display:none}}.confluent-platform-module--page--108H6 .confluent-platform-module--heroSection--3-7Yr
.confluent-platform-module--content--1j_Al{max-width:820px;width:100%}.confluent-platform-module--page--
108H6 .confluent-platform-module--recognition--1oskr{background:rgba(180,225,228,.3);padding:31px 0
40px}@media screen and (min-width:768px){.confluent-platform-module--page--108H6 .confluent-platform-
module--recognition--1oskr{padding:186px 0 40px}}.confluent-platform-module--page--108H6 .confluent-
platform-module--recognition--1oskr .confluent-platform-module--pager--sIXL4{-ms-flex-pack:distribute;justify-
content:space-around}.confluent-platform-module--page--108H6 .confluent-platform-module--recognition--1oskr
.confluent-platform-module--pager--sIXL4 li{margin-left:10px;margin-right:10px}.confluent-platform-module--
page--108H6 .confluent-platform-module--recognition--1oskr .confluent-platform-module--pager--sIXL4 li:first-
child{margin-left:0}.confluent-platform-module--page--108H6 .confluent-platform-module--recognition--1oskr
.confluent-platform-module--pager--sIXL4 li:last-child{margin-right:0}.confluent-platform-module--page--108H6
.confluent-platform-module--boxShadowContainer--1f1Pk{background-color:#fff;padding:100px 0}@media screen
and (min-width:992px){.confluent-platform-module--page--108H6 .confluent-platform-module--
boxShadowContainer--1f1Pk{padding:100px 45px 60px}}@media screen and (min-width:992px){.confluent-
platform-module--page--108H6 .confluent-platform-module--boxShadowContainer--1f1Pk .confluent-platform-
module--benefitsWrapper--1XJqz{-ms-flex-pack:space-evenly;justify-content:space-evenly}}@media screen and
(min-width:992px){.confluent-platform-module--page--108H6 .confluent-platform-module--boxShadowContainer--
1f1Pk .confluent-platform-module--benefitsItem--1Y0HU{-ms-flex-negative:0;flex-shrink:0;-ms-flex-
positive:1;flex-grow:1;-ms-flex-preferred-size:calc(33% - 20px)!important;flex-basis:calc(33% -
20px)!important;margin-bottom:40px}}.confluent-platform-module--page--108H6 .confluent-platform-module--
benefitSection--2IVM6,.confluent-platform-module--page--108H6 .confluent-platform-module--storySection--
3XSuj{background:rgba(180,225,228,.3)}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--
featuresFor--c_v5R{margin-top:80px}@media screen and (min-width:768px){.style-module--
confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R{display:-ms-flexbox;display:flex;-
ms-flex-pack:center;justify-content:center}}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-
module--featuresFor--c_v5R ul{list-style-type:none;padding-left:0}.style-module--
confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R ul li{color:rgba(0,0,0,.85);font-
size:16px;font-weight:300;line-height:25px;letter-spacing:0;text-align:center;background-

color:rgba(180,225,228,.3);margin:8px 0;border-radius:2px;padding:5px 0;text-decoration:underline}.style-module--confluentPlatformBenefitPersonas--3PCk0.style-module--featuresFor--c_v5R h5{font-size:14px;font-weight:700;text-align:center;color:#0074a2;margin:21px auto 35px;width:60%;text-transform:uppercase}@media screen and (min-width:768px){.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R h5{width:70%}}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R>div{border:6px solid #f3f4f7;-ms-flex:0 1 33%;flex:0 1 33%;padding:30px 30px 50px;position:relative}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R>div:first-of-type{border-bottom:0}@media screen and (min-width:768px){.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R>div:first-of-type{border-bottom:6px solid #f3f4f7;border-left:6px solid #f3f4f7}}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R>div:last-of-type{border-top:0}@media screen and (min-width:768px){.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R>div:last-of-type{border-top:6px solid #f3f4f7;border-right:6px solid #f3f4f7}}@media screen and (min-width:768px){.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R>div{border-width:6px 3px;padding-bottom:30px}}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featuresFor--c_v5R .style-module--title--2nPun{padding:9px 35px;border-radius:6px;background-color:hsla(0,0%,96.1%,.85);font-size:12px;font-weight:500;letter-spacing:2.67px;color:#173361;position:absolute;-ms-transform:translate(-50%,-54px);transform:translate(-50%,-54px);text-transform:uppercase}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featureApacheKafka--NzqQR{padding:30px;background-color:hsla(0,0%,96.1%,.85)}@media screen and (min-width:768px){.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featureApacheKafka--NzqQR{margin:0 5px}}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--featureApacheKafka--NzqQR span{font-size:18px;font-weight:700;color:#0074a2}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--platformAdjectives--25Kx4{border:6px solid #f3f4f7;margin-top:20px}@media screen and (min-width:768px){.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--platformAdjectives--25Kx4{margin:5px}}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--platformAdjectives--25Kx4 ul{list-style-type:none;display:-ms-flexbox;display:flex;-ms-flex-pack:distribute;justify-content:space-around;padding:20px 0}@media screen and (max-width:991px){.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--platformAdjectives--25Kx4 ul{-ms-flex-direction:column;flex-direction:column}}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--platformAdjectives--25Kx4 ul:first-of-type{border-bottom:1px dashed #d4d0d0}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--platformAdjectives--25Kx4 ul:first-of-type li{-ms-flex:0 1 33%;flex:0 1 33%}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--platformAdjectives--25Kx4 ul li{color:rgba(0,0,0,.85);font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;-ms-flex:0 1 25%;flex:0 1 25%;margin:10px 0}.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--platformAdjectives--25Kx4 ul li.style-module--highlight--hT6ki{color:#173361;font-size:18px;font-weight:700;text-transform:uppercase;-ms-flex:1 1 40%;flex:1 1 40%}@media screen and (max-width:991px){.style-module--confluentPlatformBenefitPersonas--3PCk0 .style-module--platformAdjectives--25Kx4 ul li.style-module--highlight--hT6ki{-ms-flex-order:-1;order:-1}}.style-module--content--2ruvk{text-align:center}.style-module--formContainer--1XMLD{height:auto;top:50%;margin-top:0;width:100%;max-width:700px;min-height:420px;position:relative;border-radius:5px}.style-module--formContainer--1XMLD form .style-module--buttonContainer--3C_YP{width:100%;margin:20px 0}.style-module--formContainer--1XMLD form .style-module--select--1OhVX{-webkit-appearance:none;letter-spacing:1px;border:1.1px solid #ecef2;font-size:12px;background:#fff;width:100%;text-transform:uppercase;text-align:left;color:rgba(0,0,0,.7);position:relative;padding:0}.style-module--formContainer--1XMLD form .style-module--select--1OhVX>div{padding:0 10px}.style-module--formContainer--1XMLD form .style-module--select--1OhVX>div:first-child{padding:10px 0 10px 25px;cursor:pointer;text-align:left}.style-module--formContainer--1XMLD form .style-module--select--1OhVX.style-module--error--2nMVD{border:1px solid #df2d58}.style-

module--formContainer--1XMLD form .style-module--select--1OhVX.style-module--error--2nMVD .style-module--options--3_n0T{border-right-color:#df2d58;border-left-color:#df2d58;border-bottom-color:#df2d58}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--options--3_n0T{position:absolute;left:-1px;right:-1px;z-index:9;background:#fff;border-right:1.1px solid #eceff2;border-left:1.1px solid #eceff2;border-bottom:1.1px solid #eceff2;top:43px;transition:max-height .5s ease-in-out;overflow:hidden;max-height:0;border-bottom-left-radius:4px;border-bottom-right-radius:4px;border-top-left-radius:0;border-top-right-radius:0;text-align:left}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--options--3_n0T>div{margin-bottom:10px;padding:10px 10px 20px;background:#edf0f5;position:relative}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--options--3_n0T h6{display:inline-block;font-size:12px;margin:10px 0;color:#000;font-weight:500}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--options--3_n0T ul{display:-ms-flexbox;display:flex;-ms-flex-wrap:wrap;flex-wrap:wrap;-ms-flex-pack:justify;justify-content:space-between;text-align:left;margin:0;list-style:none;padding:0}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--options--3_n0T ul li{background:#fff;-ms-flex:1 1;flex:1 1;text-align:center;border:1px solid #e3e4e5;border-radius:4px;font-size:12px;text-transform:uppercase;font-weight:300;letter-spacing:1px;color:#000;margin:0 10px 0 0;padding:10px 0;cursor:pointer;line-height:1.2;width:calc((100% - 30px)/2)}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--options--3_n0T ul li:hover{background-color:rgba(37,123,215,.5);color:#fff;font-weight:500}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--options--3_n0T ul li.style-module--selected--3IV6f{background-color:#257bd7;color:#fff;font-weight:500}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--options--3_n0T .style-module--divider--1qB1j{position:absolute;top:-20px;left:50%;-ms-transform:translateX(-50%);transform:translateX(-50%);border:3px solid #fff;width:30px;height:30px;text-align:center;border-radius:50%;background:#f7f9fc;font-weight:700;text-transform:uppercase}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--arrow--CsSfj{width:20px;height:20px;display:inline-block;top:24px;right:20px;left:auto;position:absolute}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--arrow--CsSfj:after,.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--arrow--CsSfj:before{content:"";position:absolute;background-color:#8e9093;width:15px;height:1px;transition:all .4s cubic-bezier(1,.07,.28,1.04)}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--arrow--CsSfj:before{-ms-transform:rotate(45deg);transform:rotate(45deg)}.style-module--formContainer--1XMLD form .style-module--select--1OhVX .style-module--arrow--CsSfj:after{-ms-transform:rotate(-45deg);transform:rotate(-45deg);left:11px}.style-module--formContainer--1XMLD form .style-module--select--1OhVX.style-module--expanded--1Lbrq{border-bottom:0;border-bottom-left-radius:0;border-bottom-right-radius:0}.style-module--formContainer--1XMLD form .style-module--select--1OhVX.style-module--expanded--1Lbrq .style-module--options--3_n0T{max-height:220px}.style-module--formContainer--1XMLD form .style-module--select--1OhVX.style-module--expanded--1Lbrq .style-module--arrow--CsSfj:before{-ms-transform:rotate(135deg);transform:rotate(135deg)}.style-module--formContainer--1XMLD form .style-module--select--1OhVX.style-module--expanded--1Lbrq .style-module--arrow--CsSfj:after{-ms-transform:rotate(-135deg);transform:rotate(-135deg);left:11px}.style-module--formContainer--1XMLD .style-module--titleContainer--WVppj h6{display:inline-block;font-size:16px;font-weight:500;color:#2a2a2d;margin-bottom:24px}.style-module--formContainer--1XMLD .style-module--titleContainer--WVppj .tooltip-hidden{left:-200px!important}.style-module--checkboxWrapper--2IEzb{position:relative;width:100%;margin-top:20px;color:rgba(0,0,0,.7);text-align:left}.style-module--checkboxWrapper--2IEzb input{position:absolute;opacity:0;cursor:pointer;height:0;width:0}.style-module--checkboxWrapper--2IEzb label{cursor:pointer;padding-left:30px}.style-module--checkboxWrapper--2IEzb .style-module--checkboxContainer--2b_qe{display:block;position:relative;padding-left:35px;margin-top:12px;-webkit-user-select:none;-moz-user-select:none;-ms-user-select:none;user-select:none}.style-module--tos--3pYRd{font-

size:12px}.style-module--tos--3pYRd p{font-size:12px;width:80%;line-height:1.4;color:rgba(0,0,0,.7);text-align:justify;margin:auto auto 15px}.style-module--tosUS--3c4R4,.style-module--us--2ibcg .style-module--tos--3pYRd{display:none}.style-module--us--2ibcg .style-module--tosUS--3c4R4{display:block}.modal-is-visible{overflow:hidden}.modal-is-visible .style-module--formPlatformDownloadModal--1rKbi.style-module--show--2NTMt{top:50%;left:50%;-ms-transform:translate(-50%,-50%);transform:translate(-50%,-50%)}.style-module--accordionItemWrapper--2qcVC{margin-bottom:2px;transition:all .5s ease}.style-module--accordionItemWrapper--2qcVC.style-module--collapsible--rOU3f{max-height:64px;overflow:hidden}.style-module--accordionItemWrapper--2qcVC.style-module--collapsible--rOU3f .style-module--accordionPanel--19rjo{opacity:0;transition:all .4s ease .1s}.style-module--accordionItemWrapper--2qcVC.style-module--collapsible--rOU3f .style-module--accordionTitle--1k8jN{cursor:pointer}.style-module--accordionItemWrapper--2qcVC.style-module--collapsible--rOU3f .style-module--indicator--2cYbX{display:block}.style-module--accordionItemWrapper--2qcVC.style-module--open--2SWVx{overflow:visible}.style-module--accordionItemWrapper--2qcVC.style-module--open--2SWVx .style-module--accordionItem--204fj .style-module--accordionPanel--19rjo{opacity:1}.style-module--accordionTitle--1k8jN{color:#173361;font-size:18px;font-weight:700;letter-spacing:normal;text-align:left;padding:20px 50px 20px 20px;color:#000;background-color:#e6f5fb;position:relative}@media screen and (max-width:767px){.style-module--accordionTitle--1k8jN{font-size:16px}}.style-module--accordionAltIndicator--F2VHE{display:inline-block;position:absolute;right:2rem}.style-module--indicator--2cYbX{right:50px;position:absolute;top:35px;display:none}.style-module--purple--3ncYI .style-module--accordionTitle--1k8jN{background:rgba(85,29,157,.1);color:#551d9d}.style-module--purple--3ncYI .style-module--accordionItem--204fj{background:rgba(85,29,157,.03)}.style-module--green--3oE7a .style-module--accordionTitle--1k8jN{background:rgba(21,158,134,.1);color:#159e86}.style-module--green--3oE7a .style-module--accordionItem--204fj{background:rgba(21,158,134,.03)}.style-module--blue--1F6u1 .style-module--accordionTitle--1k8jN{background:rgba(13,172,204,.1);color:#0dacc}.style-module--blue--1F6u1 .style-module--accordionItem--204fj{background:rgba(13,172,204,.03)}.style-module--orange--1yfx_ .style-module--accordionTitle--1k8jN{background:rgba(227,125,98,.1);color:#e37d62}.style-module--orange--1yfx_ .style-module--accordionItem--204fj{background:rgba(227,125,98,.03)}.style-module--grey--1DKMw .style-module--accordionTitle--1k8jN{background:rgba(88,120,140,.1);color:#58788c}.style-module--grey--1DKMw .style-module--accordionItem--204fj{background:rgba(88,120,140,.03)}.style-module--tiersSection--1QkAs{display:-ms-flexbox;display:flex;-ms-flex-pack:distribute;justify-content:space-around;margin-top:100px;margin-bottom:50px}.style-module--tiersSection--1QkAs .style-module--tierContainer--1g6eK{-ms-flex-preferred-size:25%;flex-basis:25%;text-align:left}.style-module--tiersSection--1QkAs .style-module--tierContainer--1g6eK>p{font-size:13px;width:60%;margin:20px auto 20px 0}.style-module--tiersSection--1QkAs .style-module--tierContainer--1g6eK .style-module--tooltip--1tWod{-webkit-text-decoration-color:#b78142;text-decoration-color:#b78142;cursor:help}.style-module--tiersSection--1QkAs .style-module--tierContainer--1g6eK .style-module--tooltip--1tWod div{border:2px solid #b4e1e4;width:75%!important;padding:20px 40px;border-radius:8px}.style-module--tiersSection--1QkAs .style-module--tierContainer--1g6eK .style-module--tooltip--1tWod div p{text-align:center}@media screen and (max-width:991px){.style-module--tiersSection--1QkAs .style-module--tierContainer--1g6eK .style-module--tooltip--1tWod div{display:none}}@media screen and (max-width:991px){.style-module--tiersSection--1QkAs .style-module--tierContainer--1g6eK .style-module--tierctaButtons--1CAwD{padding:10px 12px}}@media screen and (max-width:991px){.style-module--featuresSection--1BRNK,.style-module--tiersSection--1QkAs{display:none}}.style-module--tierTitle--ud9Z0{color:#b78142;font-size:18px;font-weight:700;letter-spacing:normal;margin-bottom:35px;display:block;text-align:left}@media screen and (max-width:991px){.style-module--tierTitle--ud9Z0{text-align:center}}.style-module--tooltip--1tWod{text-decoration:underline;display:block}.style-module--rowTitle--2FP-M{background:hsla(0,0%,96.1%,.85);padding:13px 20px;letter-spacing:1.2px;font-size:18px;font-weight:700;text-align:left}@media screen and (max-width:767px){.style-module--rowTitle--2FP-M{font-size:14px}}.style-module--row--3dCMI{display:-ms-flexbox;display:flex;border:2px solid hsla(0,0%,96.1%,.85)}.style-module--row--3dCMI.style-module--title--


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3Tzwz4{background:hsla(0,0%,96.1%,.85)}.style-module--row--3dCMI .style-module--rowItem--
3ZC1B{width:25%;text-align:left;padding:13px 0;font-size:13px}.style-module--row--3dCMI .style-module--
rowItem--3ZC1B:first-of-type{font-weight:500}.style-module--row--3dCMI .style-module--rowItem--3ZC1B:first-
of-type div:nth-child(2){font-weight:300;color:rgba(0,0,0,.85);font-size:11px}.style-module--row--3dCMI .style-
module--rowItem--3ZC1B:nth-of-type(3n) div:nth-child(2){margin-bottom:20px}@media screen and (max-
width:991px){.style-module--row--3dCMI .style-module--rowItem--3ZC1B{font-size:12px}}.style-module--row--
3dCMI .style-module--rowItem--3ZC1B .style-module--rowItemTooltip--1Cd48{cursor:help;margin-
right:0}@media screen and (max-width:991px){.style-module--row--3dCMI .style-module--rowItem--3ZC1B
.style-module--rowItemTooltip--1Cd48{display:block;font-size:12px}}.style-module--row--3dCMI .style-module--
rowItem--3ZC1B .style-module--rowItemTooltip--1Cd48>span{display:block}.style-module--row--3dCMI .style-
module--rowItem--3ZC1B .style-module--rowItemTooltip--1Cd48>span div:first-child{text-decoration:underline;-
webkit-text-decoration-color:#000;text-decoration-color:#000;max-width:210px}.style-module--row--3dCMI .style-
module--rowItem--3ZC1B .style-module--rowItemTooltip--1Cd48>div{border:1px solid #b4e1e4;text-
transform:none}@media screen and (max-width:991px){.style-module--row--3dCMI .style-module--rowItem--
3ZC1B .style-module--rowItemTooltip--1Cd48>div{display:none}}.style-module--row--3dCMI .style-module--
rowItem--3ZC1B h4{font-size:12px}@media screen and (max-width:991px){.style-module--row--3dCMI .style-
module--rowItem--3ZC1B h4{font-size:11px}}.style-module--row--3dCMI .style-module--rowItem--3ZC1B:first-
of-type{padding-left:20px;letter-spacing:1.2px;font-size:12px;text-transform:uppercase}.style-module--disclaimer--
2tlQN{font-size:12px;font-weight:700;line-height:1.79;text-align:right;padding:12px 0}@media screen and (max-
width:991px){.style-module--disclaimer--2tlQN{display:none}}.style-module--mobileViewWrapper--
2oK4O{display:none}@media screen and (max-width:991px){.style-module--mobileViewWrapper--
2oK4O{display:block}}.style-module--mobileView--3YxAf .style-module--tier--2LItI{margin:50px}.style-module-
mobileView--3YxAf .style-module--tier--2LItI h3{text-align:center}.style-module--mobileView--3YxAf .style-
module--tier--2LItI p{font-size:12px;margin-bottom:35px}.style-module--mobileView--3YxAf .style-module--
mobileRow--1MKZU{display:-ms-flexbox;display:flex;border:2px solid hsla(0,0%,96.1%,.85);padding:15px 60px
15px 20px;-ms-flex-pack:justify;justify-content:space-between;font-size:14px}.style-module--mobileView--3YxAf
.style-module--mobileRow--1MKZU>div:first-child{text-align:left}.style-module--mobileView--3YxAf .style-
module--mobileRow--1MKZU>div:last-child{text-align:right}.style-module--container--
Fuoc8{position:relative}.style-module--tabContainer--2EeGI{margin-top:65px;position:relative;display:-ms-
flexbox;display:flex;-ms-flex-pack:center;justify-content:center}.style-module--tabContainer--2EeGI:after,.style-
module--tabContainer--2EeGI:before{content:"";position:absolute;width:35%;top:50%;border:3px solid
hsla(0,0%,96.1%,.85);-ms-transform:translateY(-50%);transform:translateY(-50%)}@media screen and (max-
width:991px){.style-module--tabContainer--2EeGI:after,.style-module--tabContainer--
2EeGI:before{display:none}}.style-module--tabContainer--2EeGI:after{left:0}.style-module--tabContainer--
2EeGI:before{right:0}.style-module--tabWrapper--1MIKN{display:-ms-flexbox;display:flex;border:1px solid
#d1d1d1;padding:15px 30px;border-radius:4px;-ms-flex-wrap:wrap;flex-wrap:wrap;text-align:center;z-
index:1;background-color:#fff;cursor:pointer}@media screen and (min-width:992px){.style-module--tabWrapper--
1MIKN:first-of-type{border-radius:4px 0 0 4px;border-right:none}}@media screen and (min-width:992px){.style-
module--tabWrapper--1MIKN:last-of-type{border-left:none;border-radius:0 4px 4px 0}}.style-module--
tabWrapper--1MIKN.style-module--active--3mpSI{color:#fff;background-color:#173361}.style-module--
tabSubTitle--3FtQx,.style-module--tabTitle--2Nc3h{width:100%;font-weight:500}.style-module--tabTitle--
2Nc3h{text-transform:uppercase;font-size:12px;font-stretch:normal;letter-spacing:.76px}.style-module--
tabSubTitle--3FtQx{margin:0;font-size:14px}.style-module--container--30Ip7{border-radius:8px;margin:50px
0;padding:50px 20px;background:#173361;color:#fff}.style-module--container--30Ip7 a:hover{-webkit-text-
decoration-color:#fff;text-decoration-color:#fff}.style-module--container--30Ip7 a h4{color:#fff;font-size:21px;font-
weight:700;margin:0;display:inline}.style-module--container--30Ip7 a div{margin-left:7px;display:inline-
block;vertical-align:middle;top:-10px}.rc-slider{position:relative;height:14px;padding:5px 0;width:100%;border-
radius:6px;-ms-touch-action:none;touch-action:none}.rc-slider, .rc-slider *{box-sizing:border-box;-webkit-tap-

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highlight-color:rgba(0,0,0,0)}.rc-slider-rail{width:100%;background-color:#e9e9e9}.rc-slider-rail,.rc-slider-track{position:absolute;height:4px;border-radius:6px}.rc-slider-track{left:0;background-color:#abe2fb}.rc-slider-handle{position:absolute;width:14px;height:14px;cursor:pointer;cursor:-webkit-grab;margin-top:-5px;cursor:grab;border-radius:50%;border:2px solid #96dbfa;background-color:#fff;-ms-touch-action:pan-x;touch-action:pan-x}.rc-slider-handle-dragging.rc-slider-handle-dragging.rc-slider-handle-dragging{border-color:#57c5f7;box-shadow:0 0 5px #96dbfa}.rc-slider-handle:focus{outline:none}.rc-slider-handle-click-focused:focus{border-color:#96dbfa;box-shadow:unset}.rc-slider-handle:hover{border-color:#57c5f7}.rc-slider-handle:active{border-color:#57c5f7;box-shadow:0 0 5px #57c5f7;cursor:-webkit-grabbing;cursor:grabbing}.rc-slider-mark{position:absolute;top:18px;left:0;width:100%;font-size:12px}.rc-slider-mark-text{position:absolute;display:inline-block;vertical-align:middle;text-align:center;cursor:pointer;color:#999}.rc-slider-mark-text-active{color:#666}.rc-slider-step{position:absolute;width:100%;height:4px;background:transparent}.rc-slider-dot{position:absolute;bottom:-2px;margin-left:-4px;width:8px;height:8px;border:2px solid #e9e9e9;background-color:#fff;cursor:pointer;border-radius:50%;vertical-align:middle}.rc-slider-dot-active{border-color:#96dbfa}.rc-slider-dot-reverse{margin-right:-4px}.rc-slider-disabled{background-color:#e9e9e9}.rc-slider-disabled .rc-slider-track{background-color:#ccc}.rc-slider-disabled .rc-slider-dot,.rc-slider-disabled .rc-slider-handle{border-color:#ccc;box-shadow:none;background-color:#fff;cursor:not-allowed}.rc-slider-disabled .rc-slider-dot,.rc-slider-disabled .rc-slider-mark-text{cursor:not-allowed!important}.rc-slider-vertical{width:14px;height:100%;padding:0 5px}.rc-slider-vertical .rc-slider-rail{height:100%;width:4px}.rc-slider-vertical .rc-slider-track{left:5px;bottom:0;width:4px}.rc-slider-vertical .rc-slider-handle{margin-left:-5px;-ms-touch-action:pan-y;touch-action:pan-y}.rc-slider-vertical .rc-slider-mark{top:0;left:18px;height:100%}.rc-slider-vertical .rc-slider-step{height:100%;width:4px}.rc-slider-vertical .rc-slider-dot{left:2px;margin-bottom:-4px}.rc-slider-vertical .rc-slider-dot:first-child,.rc-slider-vertical .rc-slider-dot:last-child{margin-bottom:-4px}.rc-slider-tooltip-zoom-down-appear,.rc-slider-tooltip-zoom-down-enter,.rc-slider-tooltip-zoom-down-leave{-webkit-animation-duration:.3s;animation-duration:.3s;-webkit-animation-fill-mode:both;animation-fill-mode:both;display:block!important;-webkit-animation-play-state:paused;animation-play-state:paused}.rc-slider-tooltip-zoom-down-appear.rc-slider-tooltip-zoom-down-appear-active,.rc-slider-tooltip-zoom-down-enter.rc-slider-tooltip-zoom-down-enter-active{-webkit-animation-name:rcSliderTooltipZoomDownIn;animation-name:rcSliderTooltipZoomDownIn;-webkit-animation-play-state:running;animation-play-state:running}.rc-slider-tooltip-zoom-down-leave.rc-slider-tooltip-zoom-down-leave-active{-webkit-animation-name:rcSliderTooltipZoomDownOut;animation-name:rcSliderTooltipZoomDownOut;-webkit-animation-play-state:running;animation-play-state:running}.rc-slider-tooltip-zoom-down-appear,.rc-slider-tooltip-zoom-down-enter{-ms-transform:scale(0);transform:scale(0);-webkit-animation-timing-function:cubic-bezier(.23,1,.32,1);animation-timing-function:cubic-bezier(.23,1,.32,1)}.rc-slider-tooltip-zoom-down-leave{-webkit-animation-timing-function:cubic-bezier(.755,.05,.855,.06);animation-timing-function:cubic-bezier(.755,.05,.855,.06)}@-webkit-keyframes rcSliderTooltipZoomDownIn{0%{opacity:0;transform-origin:50% 100%;transform:scale(0)}to{transform-origin:50% 100%;transform:scale(1)}}@keyframes rcSliderTooltipZoomDownIn{0%{opacity:0;transform-origin:50% 100%;transform:scale(0)}to{transform-origin:50% 100%;transform:scale(1)}}@-webkit-keyframes rcSliderTooltipZoomDownOut{0%{transform-origin:50% 100%;transform:scale(1)}to{opacity:0;transform-origin:50% 100%;transform:scale(0)}}@keyframes rcSliderTooltipZoomDownOut{0%{transform-origin:50% 100%;transform:scale(1)}to{opacity:0;transform-origin:50% 100%;transform:scale(0)}}.rc-slider-tooltip{position:absolute;left:-9999px;top:-9999px;visibility:visible}.rc-slider-tooltip,.rc-slider-tooltip *{box-sizing:border-box;-webkit-tap-highlight-color:rgba(0,0,0,0)}.rc-slider-tooltip-hidden{display:none}.rc-slider-tooltip-placement-top{padding:4px 0 8px}.rc-slider-tooltip-inner{padding:6px 2px;min-width:24px;height:24px;font-size:12px;line-height:1;color:#fff;text-align:center;text-decoration:none;background-color:#6c6c6c;border-radius:6px;box-shadow:0 0 4px #d9d9d9}.rc-slider-tooltip-arrow{position:absolute;width:0;height:0;border-color:transparent;border-style:solid}.rc-slider-tooltip-placement-top .rc-slider-tooltip-arrow{bottom:4px;left:50%;margin-left:-4px;border-width:4px 4px 0;border-top-color:#6c6c6c}.style-module--pricingCalculator--D5Y17{position:relative;z-index:1}@media screen and (max-

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width:767px){.style-module--pricingCalculator--D5Y17{-ms-flex-direction:column;flex-direction:column}}.style-
module--pricingCalculator--D5Y17 .style-module--container--2yYu5{display:-ms-flexbox;display:flex}@media
screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--container--2yYu5{-ms-
flex-direction:column;flex-direction:column}}.style-module--pricingCalculator--D5Y17 .style-module--
mainCalculator--YXJeD{display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-
direction:column;width:77.8rem}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17
.style-module--mainCalculator--YXJeD{width:100%;-ms-flex-direction:column;flex-direction:column}}.style-
module--pricingCalculator--D5Y17 .style-module--accordion--1Xd_0{height:-webkit-max-content;height:-moz-
max-content;height:max-content}.style-module--pricingCalculator--D5Y17 .style-module--accordionItem--
3qJxX{border:7px solid hsla(0,0%,96.1%,.85);border-radius:8px;min-height:12.5rem;background:#fff;margin-
bottom:1rem}.style-module--pricingCalculator--D5Y17 .style-module--accordionItem--3qJxX:last-of-type{margin-
bottom:0}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--
accordionItem--3qJxX{border:none;max-height:none}}.style-module--pricingCalculator--D5Y17 .style-module--
accordionItemActive--1Z_Bc{box-sizing:border-box;background:#fff}.style-module--pricingCalculator--D5Y17
.style-module--accordionItemActive--1Z_Bc .style-module--accordionItemTitle--2H98i{background:#fff;font-
size:2.1rem;font-weight:500}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17
.style-module--accordionItemActive--1Z_Bc .style-module--accordionItemTitle--2H98i{font-size:2.1rem;font-
weight:500}}.style-module--pricingCalculator--D5Y17 .style-module--accordionItemTitle--
2H98i{background:hsla(0,0%,96.1%,.85);font-size:1.8rem;font-weight:400;padding:4.5rem 2rem;transition:all
.35s;position:relative}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-
module--accordionItemTitle--2H98i{font-size:2.1rem;font-weight:500;padding:2rem 3.75rem 0;line-height:1.6;min-
height:0;text-align:center;background:none}}.style-module--pricingCalculator--D5Y17 .style-module--
accordionItemTitleRight--3qb7l{color:#173361;font-weight:300;font-size:1.6rem;display:inline-
block;position:absolute;right:2rem}@media screen and (max-width:767px){.style-module--pricingCalculator--
D5Y17 .style-module--accordionItemTitleRight--3qb7l{display:none}}.style-module--pricingCalculator--D5Y17
.style-module--accordionItemTitleValue--131ck{display:inline-block;width:auto;padding-left:1.5rem}.style-
module--pricingCalculator--D5Y17 .style-module--accordionItemIndicator--
1YIUh{display:none!important}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17
.style-module--accordionItemPanel--2tczN{opacity:1!important;padding-left:1.2rem;padding-right:1.2rem;border-
bottom:.7rem solid hsla(0,0%,96.1%,.85)}.style-module--pricingCalculator--D5Y17 .style-module--
accordionItemPanel--2tczN:last-of-type{border-bottom:none}}.style-module--pricingCalculator--D5Y17 .style-
module--section1--1-8KW{padding:3.2rem 3.6rem 2.5rem}@media screen and (max-width:767px){.style-module--
pricingCalculator--D5Y17 .style-module--section1--1-8KW{padding:3.2rem 0 2.5rem}}.style-module--
pricingCalculator--D5Y17 .style-module--fieldLabel--3DLKg{font-size:12px;line-height:1.5rem;letter-
spacing:.1rem;padding:.5rem 0;text-transform:uppercase;font-weight:500}@media screen and (max-
width:767px){.style-module--pricingCalculator--D5Y17 .style-module--fieldLabel--3DLKg{font-size:12px;line-
height:1.5rem}}.style-module--pricingCalculator--D5Y17 .style-module--providerContainer--1uY8E{display:-ms-
flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between}@media screen and (max-
width:767px){.style-module--pricingCalculator--D5Y17 .style-module--providerContainer--1uY8E{-ms-flex-
direction:column;flex-direction:column;-ms-flex-align:center;align-items:center}}.style-module--pricingCalculator-
D5Y17 .style-module--ctaContainer--uZcE3{margin-top:6.5rem;text-align:center}@media screen and (max-
width:767px){.style-module--pricingCalculator--D5Y17 .style-module--ctaContainer--uZcE3{display:none}}.style-
module--pricingCalculator--D5Y17 .style-module--sectionButton--3V1mf:hover{color:#0074a2}.style-module--
pricingCalculator--D5Y17 .style-module--providerLabel--1OdUe{width:32%;text-align:center;border-
radius:.4rem;border:1px solid rgba(130,148,148,.25);padding:4rem 0;cursor:pointer}@media screen and (max-
width:767px){.style-module--pricingCalculator--D5Y17 .style-module--providerLabel--
1OdUe{width:90%;padding:2rem 0}}.style-module--pricingCalculator--D5Y17 .style-module--providerRadio--
2TVAt:checked+.style-module--providerLabel--1OdUe{padding:3.9rem 0;border:2px solid #0074a2}@media

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screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--providerRadio--2TVAt:checked+.style-module--providerLabel--1OdUe{padding:1.9rem 0}}.style-module--pricingCalculator--D5Y17 .style-module--providerRadio--2TVAt{-webkit-appearance:none;-moz-appearance:none;appearance:none;border:none;display:inline;width:0;height:0}.style-module--pricingCalculator--D5Y17 .style-module--section2--dCKMt{padding:3.2rem 3.6rem 2.5rem}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--section2--dCKMt{padding:3.2rem 0 2.5rem}}.style-module--pricingCalculator--D5Y17 .style-module--regionContainer--3x-x5{display:-ms-flexbox;display:flex;-ms-flex-direction:column;flex-direction:column}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--regionContainer--3x-x5{-ms-flex-direction:column-reverse;flex-direction:column-reverse}}.style-module--pricingCalculator--D5Y17 .style-module--tip--2PliS .style-module--tooltip--385jI{border:.2rem solid #d7eff6;border-radius:.8rem;padding:3rem}.style-module--pricingCalculator--D5Y17 .style-module--tip--2PliS .style-module--tooltip--385jI p{line-height:2.5rem;font-size:1.4rem;text-transform:none}.style-module--pricingCalculator--D5Y17 .style-module--sectionSplit--LnwRO{margin-top:1.5rem;display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--sectionSplit--LnwRO{-ms-flex-direction:column;flex-direction:column}}.style-module--pricingCalculator--D5Y17 .style-module--sectionSplitPart--2IPi_{width:48%;text-align:left}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--sectionSplitPart--2IPi_{text-align:center;width:auto;margin:.5rem}}.style-module--pricingCalculator--D5Y17 .style-module--sectionSplitPartRight--1L7Kv{width:48%;text-align:right}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--sectionSplitPartRight--1L7Kv{text-align:center;width:auto;margin:.5rem}}.style-module--pricingCalculator--D5Y17 .style-module--radioToggle--FwXVV{display:block}.style-module--pricingCalculator--D5Y17 .style-module--radioToggleContainer--2AgyV{display:block;padding:0;margin:0;border-radius:2.5rem;background:hsla(0,0%,96.1%,.85)}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--radioToggleContainer--2AgyV{background:rgba(130,148,148,.25)}}.style-module--pricingCalculator--D5Y17 .style-module--radioToggleRadio--2iXdJ{-webkit-appearance:none;-moz-appearance:none;appearance:none;border:none;display:inline}.style-module--pricingCalculator--D5Y17 .style-module--radioToggleLabel--2WfMo{padding:.5rem 0;width:50%;text-align:center;border-radius:2.5rem;background:transparent;border:2px solid transparent;font-size:12px;color:#829494;text-transform:uppercase;margin:0;opacity:1}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--radioToggleLabel--2WfMo{padding:.5rem 0}}.style-module--pricingCalculator--D5Y17 .style-module--radioToggleInvalid--2i_eO{opacity:.5;text-decoration:line-through;cursor:not-allowed}.style-module--pricingCalculator--D5Y17 .style-module--radioToggleRadio--2iXdJ:checked+.style-module--radioToggleLabel--2WfMo{background:#0074a2;color:#fff}.style-module--pricingCalculator--D5Y17 .style-module--radioToggleRadio--2iXdJ:active+.style-module--radioToggleLabel--2WfMo,.style-module--pricingCalculator--D5Y17 .style-module--radioToggleRadio--2iXdJ:focus+.style-module--radioToggleLabel--2WfMo{border-color:rgba(130,148,148,.25)}.style-module--pricingCalculator--D5Y17 .style-module--radioToggleRadio--2iXdJ:checked:active+.style-module--radioToggleLabel--2WfMo,.style-module--pricingCalculator--D5Y17 .style-module--radioToggleRadio--2iXdJ:checked:focus+.style-module--radioToggleLabel--2WfMo{border-color:#173361}}.style-module--pricingCalculator--D5Y17 .style-module--section3--2NVYM{padding:0 3.6rem 5rem}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--section3--2NVYM{padding:0 0 5rem}}.style-module--pricingCalculator--D5Y17 .style-module--sliderContainer--1W4g0{margin:.5rem 0 2.5rem}.style-module--pricingCalculator--D5Y17 .style-module--slider--3yHlc{margin:0}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--slider--3yHlc{margin-left:1.5rem;width:calc(100vw - 6rem)}}.style-module--pricingCalculator--D5Y17 .style-module--display--20DIQ{display:block;width:38.5rem;margin-left:1.8rem;background:#fff;box-shadow:0 4px 20px rgba(0,0,0,.25);border-radius:8px;padding:1.7rem 2.5rem

2.5rem}.style-module--pricingCalculator--D5Y17 .style-module--display--20DIQ .style-module--sectionSplit--LnwRO{margin:.8rem 0}@media screen and (max-width:767px){.style-module--pricingCalculator--D5Y17 .style-module--display--20DIQ{width:100%;margin:1rem 0;height:auto;padding:1.6rem}.style-module--pricingCalculator--D5Y17 .style-module--display--20DIQ .style-module--sectionSplit--LnwRO{-ms-flex-direction:row;flex-direction:row}.style-module--pricingCalculator--D5Y17 .style-module--display--20DIQ .style-module--sectionSplitPart--2IPi_{width:49%;text-align:left}.style-module--pricingCalculator--D5Y17 .style-module--display--20DIQ .style-module--sectionSplitPartRight--1L7Kv{width:49%;text-align:right}}.style-module--pricingCalculator--D5Y17 .style-module--displayHeading--2YFNw{font-size:1.6rem;font-weight:700;color:#173361;margin:0 0 1rem;text-align:left}.style-module--pricingCalculator--D5Y17 .style-module--displayHeadingRight--2YZUJ{font-size:1.6rem;font-weight:700;color:#173361;margin:0 0 1rem;text-align:right}.style-module--pricingCalculator--D5Y17 .style-module--displayLabel--3Czd1{text-transform:uppercase;color:#829494;font-size:1.2rem;letter-spacing:.1em;text-align:left}.style-module--pricingCalculator--D5Y17 .style-module--displayRate--6lZLc{font-size:1.6rem;font-weight:300;white-space:nowrap;text-align:left}.style-module--pricingCalculator--D5Y17 .style-module--displayNumber--19Obs{font-size:2.4rem;font-weight:500;color:#173361;line-height:2}.style-module--pricingCalculator--D5Y17 .style-module--displayButton--2W6-3{width:100%;margin:2rem 0 1rem}.style-module--pricingCalculator--D5Y17 .style-module--displayTotal--3qT-N{font-size:3.5rem;font-weight:700;color:#173361;line-height:1;margin-bottom:1.5rem}.style-module--pricingCalculator--D5Y17 .style-module--marketingText--2XB0U{text-align:center;color:#173361;font-size:1.4rem}.style-module--pricingCalculator--D5Y17 .style-module--displayDiscount--lkCPc{display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;padding:1rem 0}.style-module--pricingCalculator--D5Y17 .style-module--discountStripe--1UpvG{-ms-flex-positive:1;flex-grow:1;border-radius:.7rem;height:.7rem;background-color:#c5832e}.style-module--pricingCalculator--D5Y17 .style-module--discountNumber--1cCud{display:inline-block;width:auto;margin-left:1.5rem;color:#c5832e;font-size:1.8rem;font-weight:700}.style-module--pricingCalculator--D5Y17 .style-module--disclaimerText--OKPyn{text-align:center;padding:1.5rem 0 0;font-size:1.2rem}.style-module--calculatorHead--1gPIe{position:relative}.style-module--calculatorHeadTitle--1S4o-{text-align:center}.style-module--calculatorHeadSummary--2M6_A{text-align:center;width:700px;max-width:100%;margin:40px auto;font-weight:lighter}.style-module--cardsContainer--1b4zg{padding:5rem 0;display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between}@media screen and (max-width:767px){.style-module--cardsContainer--1b4zg{-ms-flex-direction:column;flex-direction:column}}.style-module--calculatorCard--Q2frv{border:7px solid hsla(0,0%,96.1%,.85);width:49%;padding:6rem}@media screen and (max-width:767px){.style-module--calculatorCard--Q2frv:first-of-type{margin-bottom:1.5rem}}.style-module--calculatorCard--Q2frv .style-module--calculatorCardContent--GnTWx{text-align:center;font-weight:700;font-size:1.8rem;line-height:2.3rem;color:#173361;height:12rem}.style-module--calculatorCard--Q2frv>div>div{text-align:center}@media screen and (max-width:767px){.style-module--calculatorCard--Q2frv{width:auto;padding:3rem}.style-module--calculatorCard--Q2frv .style-module--calculatorCardContent--GnTWx{font-size:1.6rem}}.index-module--page--1UpMf .index-module--hero--PIh19 .index-module--cloudProviders--1IMBN{margin:30px auto;padding:0;list-style:none;display:-ms-flexbox;display:flex;-ms-flex-pack:justify;justify-content:space-between;max-width:340px}.index-module--page--1UpMf .index-module--hero--PIh19 .index-module--cloudProviders--1IMBN li{-ms-flex:1 1;flex:1 1}.index-module--page--1UpMf .index-module--hero--PIh19 .index-module--cloudProviders--1IMBN li:last-of-type img{height:38px}.index-module--page--1UpMf .index-module--hero--PIh19 .index-module--cloudProviders--1IMBN img{width:auto}.index-module--page--1UpMf .index-module--hero--PIh19 .index-module--content--18XtX{margin:0 auto;max-width:620px}.index-module--page--1UpMf .index-module--hero--PIh19 .index-module--content--18XtX p{margin-top:30px}.index-module--page--1UpMf .index-module--hero--PIh19 .index-module--cta--2wZ_J: hover{background:#38cccd;border-color:#38cccd}.index-module--page--1UpMf .index-module--container--3d16M{padding:65px 15px 0;background-color:#fff}@media screen and (min-width:992px){.index-module--page--1UpMf .index-module--container--3d16M{padding:100px 150px 65px!important}}.index-module--page--1UpMf

.index-module--calculatorContainer--2AKga{padding:0 15px;background-color:#fff}@media screen and (min-width:992px){.index-module--page--1UpMf .index-module--calculatorContainer--2AKga{padding:0 150px!important}}.index-module--page--1UpMf .index-module--item--22UIM{-ms-flex:0 1 300px!important;flex:0 1 300px!important;margin-bottom:50px}@media screen and (min-width:992px){.index-module--page--1UpMf .index-module--item--22UIM{-ms-flex-preferred-size:calc(50% - 20px)!important;flex-basis:calc(50% - 20px)!important}}.index-module--page--1UpMf .index-module--item--22UIM>div:first-child{margin-right:15px}.index-module--page--1UpMf .index-module--copy--1ftLS{font-weight:300;line-height:1.86;color:#000;font-size:14px;text-align:center;margin-top:37px;margin-bottom:85px}.index-module--page--1UpMf .index-module--testimonial--28VhI{box-shadow:none}@media screen and (min-width:768px){.index-module--page--1UpMf .index-module--testimonial--28VhI ul{overflow-x:hidden}}.index-module--page--1UpMf .index-module--testimonialWhyConfluentWrapper--3LmbR{padding-top:30px}@media screen and (min-width:768px){.index-module--page--1UpMf .index-module--testimonialWhyConfluentWrapper--3LmbR{padding:183px 0 40px}}.index-module--page--1UpMf .index-module--featureSection--QSZ7m .index-module--featureContainer--VEZYr>div>div{min-width:260px}.index-module--page--1UpMf .index-module--pricingTierClassName--1woLd{-ms-flex-preferred-size:33.33%;flex-basis:33.33%}@media screen and (max-width:991px){.index-module--page--1UpMf .index-module--pricingTierClassName--1woLd p,.index-module--page--1UpMf .index-module--pricingTierClassName--1woLd strong{font-size:14px}}.index-module--page--1UpMf .index-module--rowClassName--2VMt8>div{width:33.33%}.index-module--page--1UpMf .index-module--rowClassName--2VMt8>div:last-of-type{display:none}.index-module--page--1UpMf .index-module--confluentCloudCardSection--2hk5a{padding-top:0}@media screen and (min-width:768px){.index-module--page--1UpMf .index-module--confluentCloudCardSection--2hk5a .index-module--confluentCloudCardContent--1Y6kG{display:-ms-flexbox;display:flex}}.index-module--page--1UpMf .index-module--confluentCloudCardSection--2hk5a .index-module--confluentCloudCard--1w00b{background-color:#e6f5fb;padding:70px 35px;margin:10px}@media screen and (min-width:768px){.index-module--page--1UpMf .index-module--confluentCloudCardSection--2hk5a .index-module--confluentCloudCard--1w00b{-ms-flex:1 1;flex:1 1;padding:100px 45px}}.index-module--page--1UpMf .index-module--confluentCloudCardSection--2hk5a .index-module--confluentCloudCard--1w00b div{text-align:center}.index-module--page--1UpMf .index-module--confluentCloudCardSection--2hk5a .index-module--confluentCloudCard--1w00b a{margin-top:30px}.index-module--page--1UpMf .index-module--confluentCloudCardSection--2hk5a .index-module--confluentCloudCard--1w00b h3{color:#173361;width:80%;margin:auto}.tryfree-module--page--12u8F{overflow-x:hidden}.tryfree-module--page--12u8F .tryfree-module--heroContent--EfkFT{-ms-flex-align:start;align-items:flex-start}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS>div{position:relative}@media screen and (min-width:992px){.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--heroContent--EfkFT{position:relative;max-width:580px;width:60%}}@media screen and (min-width:1200px){.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--heroImage--DArRe{right:90px;bottom:-30px;position:absolute}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--heroImage--DArRe img{max-width:900px}}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--content--2WOfs{margin:30px 0}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--cloudProviders--1YTxr{margin:15px 0}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS>div{-ms-flex-align:start;align-items:flex-start}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--primaryCtaContainer--3Qrsn{margin-top:15px}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--cloudProviders--1YTxr{padding:0;list-style:none;display:-ms-flexbox;display:flex;-ms-flex-align:center;align-items:center;max-width:340px}@media screen and (max-width:991px){.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--cloudProviders--1YTxr{max-width:none;-ms-flex-pack:center;justify-content:center}}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--cloudProviders--1YTxr li:not(:last-of-type){margin-right:40px}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--cloudProviders--1YTxr li:last-of-type img{height:38px}.tryfree-module--page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--cloudProviders--1YTxr img{width:auto}.tryfree-module--

page--12u8F .tryfree-module--hero--3X3tS .tryfree-module--cta--yHvzZ:hover{ background:#38cccd;border-color:#38cccd }.tryfree-module--page--12u8F .tryfree-module--doMoreContent--h0AII div{ width:90% }.tryfree-module--page--12u8F #logos{ margin-bottom:15px }.tryfree-module--page--12u8F #key-points{ padding-top:0 } @media screen and (min-width:768px){ .tryfree-module--page--12u8F .tryfree-module--confluentCloudCardContent--2jeKC{ display:-ms-flexbox;display:flex }.tryfree-module--page--12u8F .tryfree-module--confluentCloudCardContent--2jeKC .tryfree-module--confluentCloudCard--2sNFs{ padding:70px 35px;margin:10px;border-radius:8px;border:7px solid hsla(0,0%,96.1%,.85) } @media screen and (min-width:768px){ .tryfree-module--page--12u8F .tryfree-module--confluentCloudCardContent--2jeKC .tryfree-module--confluentCloudCard--2sNFs{ -ms-flex:1 1;flex:1 1;padding:100px 45px }.tryfree-module--page--12u8F .tryfree-module--confluentCloudCardContent--2jeKC .tryfree-module--confluentCloudCard--2sNFs div{ text-align:center;-ms-flex-align:center;align-items:center }.tryfree-module--page--12u8F .tryfree-module--confluentCloudCardContent--2jeKC .tryfree-module--confluentCloudCard--2sNFs a{ margin-top:30px }.tryfree-module--page--12u8F .tryfree-module--confluentCloudCardContent--2jeKC .tryfree-module--confluentCloudCard--2sNFs h3{ color:#173361;width:80%;margin:auto }.tryfree-module--page--12u8F .tryfree-module--pricingTierClassName--fg28d{ -ms-flex-preferred-size:33.33%;flex-basis:33.33% } @media screen and (max-width:991px){ .tryfree-module--page--12u8F .tryfree-module--pricingTierClassName--fg28d p,.tryfree-module--page--12u8F .tryfree-module--pricingTierClassName--fg28d strong{ font-size:14px }.tryfree-module--page--12u8F .tryfree-module--rowClassName--33R8i>div{ width:33.33% }.tryfree-module--page--12u8F .tryfree-module--rowClassName--33R8i>div:last-of-type{ display:none }.tryfree-module--page--12u8F .tryfree-module--estimateTitle--1dPZB{ margin-bottom:0 }.tryfree-module--page--12u8F .tryfree-module--copy--2oYm3{ font-weight:300;line-height:1.86;color:#000;font-size:16px;text-align:center;width:800px;max-width:100%;margin:50px auto 100px } @media screen and (max-width:991px){ .tryfree-module--page--12u8F .tryfree-module--copy--2oYm3{ margin:50px auto } }.tryfree-module--page--12u8F .tryfree-module--contactBlurb--blmwN{ text-align:center;margin-top:30px;margin-bottom:50px }.style-module--page--16hJw .style-module--heroSection--12Xfi>div{ -ms-flex-pack:justify;justify-content:space-between } @media screen and (max-width:991px){ .style-module--page--16hJw .style-module--heroSection--12Xfi>div{ -ms-flex-direction:column;flex-direction:column;padding-top:50px;padding-bottom:50px }.style-module--page--16hJw .style-module--heroSection--12Xfi .style-module--rightColumn--3cEw5{ width:40%;margin-left:50px;max-width:510px } @media screen and (max-width:991px){ .style-module--page--16hJw .style-module--heroSection--12Xfi .style-module--rightColumn--3cEw5{ width:90%;margin-left:0;margin-top:50px }.style-module--page--16hJw .style-module--heroSection--12Xfi .style-module--rightColumn--3cEw5 img.style-module--clickable--15TDK{ cursor:pointer }.style-module--page--16hJw .style-module--heroSection--12Xfi .style-module--rightColumn--3cEw5 p{ color:#fff;font-size:12px;font-weight:300;line-height:1.3;margin-top:5px } @media screen and (max-width:991px){ .style-module--page--16hJw .style-module--heroSection--12Xfi .style-module--rightColumn--3cEw5 p{ text-align:center } } @media screen and (min-width:992px){ .style-module--page--16hJw .style-module--heroSection--12Xfi .style-module--leftColumn--2kQa6{ width:65% } }.style-module--page--16hJw .style-module--heroSection--12Xfi .style-module--leftColumn--2kQa6 ul{ margin:50px 0 0;padding:0;list-style-position:inside }.style-module--page--16hJw .style-module--resourcesSection--2OYkn .style-module--grid--MYGSI .style-module--card--1eZOv{ background:hsla(0,0%,100%,.5) }.style-module--page--16hJw .style-module--resourcesSection--2OYkn .style-module--grid--MYGSI .style-module--card--1eZOv>{*{ text-align:center }.style-module--page--16hJw .style-module--resourcesSection--2OYkn .style-module--grid--MYGSI .style-module--card--1eZOv p{ margin:0 auto 30px }.style-module--page--16hJw .style-module--resourcesSection--2OYkn .style-module--grid--MYGSI .style-module--card--1eZOv a{ margin-bottom:10px }.style-module--page--16hJw .style-module--resourcesSection--2OYkn .style-module--grid--MYGSI .style-module--card--1eZOv .style-module--active--1Eyiz{ background:#fff;border:0 }.style-module--page--16hJw .style-module--resourcesSection--2OYkn .style-module--grid--MYGSI .style-module--card--1eZOv .style-module--ctaContainer--dYlaW{ margin:auto 0 }.style-module--page--16hJw .style-module--resourcesSection--2OYkn .style-module--grid--MYGSI .style-module--card--1eZOv .style-module--ctaContainer--dYlaW a+a{ margin-left:10px }.style-module--page--16hJw .style-module--

whySection--2bt8R .style-module--title--1OmKY{display:block}.style-module--page--16hJw .style-module--whySection--2bt8R .style-module--accordion--12W8x .style-module--content--VbhfO{line-height:1.63;padding:50px 90px;text-align:left}@media screen and (max-width:767px){.style-module--page--16hJw .style-module--whySection--2bt8R .style-module--accordion--12W8x .style-module--content--VbhfO{padding:50px 25px}}.style-module--page--16hJw .style-module--whySection--2bt8R .style-module--accordion--12W8x .style-module--content--VbhfO ul{margin:20px 0;padding:0;list-style:none}.style-module--page--16hJw .style-module--whySection--2bt8R .style-module--accordion--12W8x .style-module--content--VbhfO ul li{background:#fff;margin-bottom:10px;padding:20px;font-size:14px;font-weight:500;line-height:1.79}.style-module--page--16hJw .style-module--whySection--2bt8R .style-module--accordion--12W8x .style-module--content--VbhfO ul li:last-child{margin-bottom:0}.style-module--page--16hJw .style-module--whySection--2bt8R .style-module--accordion--12W8x .style-module--content--VbhfO ul ul{list-style-type:disc;list-style-position:inside}.style-module--page--16hJw .style-module--whySection--2bt8R .style-module--accordion--12W8x .style-module--content--VbhfO ul ul li{padding:0;font-weight:400}.style-module--page--16hJw .style-module--benefitSection--nY1h0 ul{-ms-flex-direction:column;flex-direction:column;width:90%;margin:0 auto;max-width:800px}.style-module--page--16hJw .style-module--benefitSection--nY1h0 ul h4{color:#173361}.style-module--page--16hJw .style-module--benefitSection--nY1h0 ul li{margin:0 0 50px}.style-module--page--16hJw .style-module--benefitSection--nY1h0 ul li:last-child{margin-bottom:0}.style-module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW{margin:10px 0;display:-ms-flexbox;display:flex;text-align:left}@media screen and (max-width:767px){.style-module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW{-ms-flex-direction:column;flex-direction:column}}.style-module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW div{padding:20px 20px 30px;-ms-flex:1 1;flex:1 1}@media screen and (max-width:767px){.style-module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW div{padding:20px}}.style-module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3_VN{text-align:center}@media screen and (max-width:767px){.style-module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3_VN{display:none}}.style-module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3_VN div{background:none}.style-module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3_VN div:not(.style-module--emptyCell---gCTw){border-radius:4px;margin:0 5px;padding:10px;color:#173361;font-size:18px;font-weight:700;line-height:23px}.style-module--page--16hJw .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3_VN div:not(.style-module--emptyCell---gCTw):last-child{margin-right:0}.style-module--page--16hJw .style-module--featureSection--VVqNM .style-module--items--2m8yP{display:-ms-flexbox;display:flex;-ms-flex-pack:start;justify-content:flex-start}.style-module--page--16hJw .style-module--featureSection--VVqNM .style-module--items--2m8yP>li{border:2px solid rgba(130,148,148,.25);border-radius:8px;margin:5px 0;width:100%;-ms-flex:none!important;flex:none!important;padding:20px 15px}@media screen and (max-width:767px){.style-module--page--16hJw .style-module--featureSection--VVqNM .style-module--items--2m8yP>li{width:100%!important}}.style-module--page--16hJw .style-module--featureSection--VVqNM .style-module--items--2m8yP>li h4{color:#000}.style-module--page--16hJw .style-module--featureSection--VVqNM .style-module--col4--1kPzz .style-module--items--2m8yP>li{margin-right:10px;width:calc((100% - 30px)/4)}.style-module--page--16hJw .style-module--featureSection--VVqNM .style-module--col4--1kPzz .style-module--items--2m8yP>li:nth-child(4n){margin-right:0}@media screen and (max-width:991px){.style-module--page--16hJw .style-module--featureSection--VVqNM .style-module--col4--1kPzz .style-module--items--2m8yP>li{width:calc((100% - 20px)/2)}}.style-module--page--16hJw .style-module--featureSection--VVqNM .style-module--col3--yF8zI .style-module--items--2m8yP>li{margin-right:10px;width:calc((100% - 20px)/3)}.style-module--page--16hJw .style-module--featureSection--VVqNM .style-module--col3--yF8zI .style-module--items--2m8yP>li:nth-child(3n){margin-right:0}.style-module--page--16hJw .style-module--

moreReleaseSection--eFAVF .style-module--content--VbhfO { color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0;text-align:center }.style-module--page--16hJw .style-module--moreReleaseSection--eFAVF .style-module--content--VbhfO h3 { color:#173361;font-size:12px;font-weight:500;line-height:2.67;letter-spacing:2px;text-transform:uppercase }.style-module--page--16hJw .style-module--moreReleaseSection--eFAVF .style-module--content--VbhfO p { margin-bottom:50px;max-width:720px }.style-module--purple--2FtjE .style-module--benefitSection--nY1h0,.style-module--purple--2FtjE .style-module--trySection--1GXcX { background:rgba(85,29,157,.03) }.style-module--purple--2FtjE .style-module--moreReleaseSection--eFAVF,.style-module--purple--2FtjE .style-module--resourcesSection--2OYkn { background:rgba(85,29,157,.1) }.style-module--purple--2FtjE .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW: not(.style-module--header--3_VN) div { background:rgba(85,29,157,.03);color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0 }.style-module--purple--2FtjE .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW: not(.style-module--header--3_VN) .style-module--bold--1-JIS { color:#551d9d;font-size:21px;font-weight:500;line-height:27px }.style-module--purple--2FtjE .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3_VN div: not(.style-module--emptyCell---gCTw) { background:#551d9d;color:#fff }.style-module--green--2GuAI .style-module--benefitSection--nY1h0,.style-module--green--2GuAI .style-module--trySection--1GXcX { background:rgba(21,158,134,.03) }.style-module--green--2GuAI .style-module--moreReleaseSection--eFAVF,.style-module--green--2GuAI .style-module--resourcesSection--2OYkn { background:rgba(21,158,134,.1) }.style-module--green--2GuAI .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW: not(.style-module--header--3_VN) div { background:rgba(21,158,134,.03);color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0 }.style-module--green--2GuAI .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW: not(.style-module--header--3_VN) .style-module--bold--1-JIS { color:#159e86;font-size:21px;font-weight:500;line-height:27px }.style-module--green--2GuAI .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3_VN div: not(.style-module--emptyCell---gCTw) { background:#159e86;color:#fff }.style-module--blue--3yMuA .style-module--benefitSection--nY1h0,.style-module--blue--3yMuA .style-module--trySection--1GXcX { background:rgba(13,172,204,.03) }.style-module--blue--3yMuA .style-module--moreReleaseSection--eFAVF,.style-module--blue--3yMuA .style-module--resourcesSection--2OYkn { background:rgba(13,172,204,.1) }.style-module--blue--3yMuA .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW: not(.style-module--header--3_VN) div { background:rgba(13,172,204,.03);color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0 }.style-module--blue--3yMuA .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW: not(.style-module--header--3_VN) .style-module--bold--1-JIS { color:#0dacc; font-size:21px;font-weight:500;line-height:27px }.style-module--blue--3yMuA .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3_VN div: not(.style-module--emptyCell---gCTw) { background:#0dacc;color:#fff }.style-module--orange--mKAYd .style-module--benefitSection--nY1h0,.style-module--orange--mKAYd .style-module--trySection--1GXcX { background:rgba(227,125,98,.03) }.style-module--orange--mKAYd .style-module--moreReleaseSection--eFAVF,.style-module--orange--mKAYd .style-module--resourcesSection--2OYkn { background:rgba(227,125,98,.1) }.style-module--orange--mKAYd .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW: not(.style-module--header--3_VN) div { background:rgba(227,125,98,.03);color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0 }.style-module--orange--mKAYd .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW: not(.style-module--header--3_VN) .style-module--bold--1-JIS { color:#e37d62;font-size:21px;font-weight:500;line-height:27px }.style-module--orange--mKAYd .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3_VN div: not(.style-module--emptyCell---gCTw) { background:#e37d62;color:#fff }.style-module--grey--1eGst .style-module--benefitSection--nY1h0,.style-module--grey--1eGst .style-module--trySection--1GXcX { background:rgba(88,120,140,.03) }.style-module--grey--

1eGst .style-module--moreReleaseSection--eFAVF,.style-module--grey--1eGst .style-module--resourcesSection--2OYkn{background:rgba(88,120,140,.1)}.style-module--grey--1eGst .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW:not(.style-module--header--3_VN) div{background:rgba(88,120,140,.03);color:#000;font-size:16px;font-weight:300;line-height:25px;letter-spacing:0}.style-module--grey--1eGst .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW:not(.style-module--header--3_VN) .style-module--bold--1-JIS{color:#58788c;font-size:21px;font-weight:500;line-height:27px}.style-module--grey--1eGst .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--header--3_VN div:not(.style-module--emptyCell---gCTw){background:#58788c;color:#fff}.style-module--project_metamorphosis_cost_effective--3HwjK .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW div:first-child{max-width:142px}@media screen and (max-width:767px){.style-module--project_metamorphosis_cost_effective--3HwjK .style-module--benefitSection--nY1h0 .style-module--table--32JBF .style-module--row--FZfaW div:first-child{max-width:none;text-align:center}}</style><meta name="generator" content="Gatsby 2.21.30"/><link rel="sitemap" type="application/xml" href="/sitemap.xml"/><link rel="alternate" type="application/rss+xml" title="Confluent's Blog Feed" href="/rss.xml"/><title data-react-helmet="true">Confluent Community License | Confluent</title><link data-react-helmet="true" href="/css/wp.css" rel="stylesheet"/><meta data-react-helmet="true" name="description" content="Confluent, founded by the creators of Apache Kafka, delivers a complete execution of Kafka for the Enterprise, to help you run your business in real time."/><meta data-react-helmet="true" name="image" content="https://cdn.confluent.io/wp-content/uploads/seo-logo-meadow.png"/><meta data-react-helmet="true" property="og:url" content="https://www.confluent.io/"><meta data-react-helmet="true" property="og:locale" content="en_US"/><meta data-react-helmet="true" property="og:type" content="website"/><meta data-react-helmet="true" property="og:title" content="Confluent Community License | Confluent"/><meta data-react-helmet="true" property="og:description" content="Confluent, founded by the creators of Apache Kafka, delivers a complete execution of Kafka for the Enterprise, to help you run your business in real time."/><meta data-react-helmet="true" property="og:site_name" content="Confluent"/><meta data-react-helmet="true" property="og:image" content="https://cdn.confluent.io/wp-content/uploads/seo-logo-meadow.png"/><meta data-react-helmet="true" name="twitter:card" content="summary"/><meta data-react-helmet="true" name="twitter:description" content="Confluent, founded by the creators of Apache Kafka, delivers a complete execution of Kafka for the Enterprise, to help you run your business in real time."/><meta data-react-helmet="true" name="twitter:title" content="Confluent Community License | Confluent"/><meta data-react-helmet="true" name="twitter:image" content="https://cdn.confluent.io/wp-content/uploads/seo-logo-meadow.png"/><meta data-react-helmet="true" name="twitter:site" content="@ConfluentInc"/><meta data-react-helmet="true" name="twitter:creator" content="@ConfluentInc"/><meta data-react-helmet="true" property="fb:app_id" content="1800296596896644"/><script>(function(w,d,s,l,i){w[l]=w[l]||[];w[l].push({'gtm.start': new Date().getTime(),event:'gtm.js'});var f=d.getElementsByTagName(s)[0],j=d.createElement(s),dl=l!='dataLayer'?'&l='+l:'';j.async=true;j.src='https://www.googletagmanager.com/gtm.js?id='+i+dl+';f.parentNode.insertBefore(j,f)})(window,document,'script','dataLayer','GTM-M58HDC6');</script><link rel="preload" as="font" href="/fonts/MarkOT/MarkOT.woff2"/><link rel="preload" as="font" href="/fonts/MarkOT/MarkOT-Italic.woff2"/><link rel="preload" as="font" href="/fonts/MarkOT/MarkOT-Medium.woff2"/><link rel="preload" as="font" href="/fonts/MarkOT/MarkOT-MediumItalic.woff2"/><link rel="preload" as="font" href="/fonts/MarkOT/MarkOT-Bold.woff2"/><link rel="preload" as="font" href="/fonts/MarkOT/MarkOT-BoldItalic.woff2"/><link rel="preload" as="font" href="/fonts/MarkOT/MarkOT-NarrowLight.woff2"/><link rel="preload" as="font" href="/fonts/MarkOT/MarkOT-NarrowLightItalic.woff2"/><link rel="stylesheet" href="/fonts/fonts.css"/><link href="https://cdn.confluent.io/css/bootstrap.min.css" rel="stylesheet"/><link href="/css/main.css" rel="stylesheet"/><link href="/css/print.css" rel="stylesheet" media="print"/><script src="https://code.jquery.com/jquery-1.12.4.min.js" integrity="sha256-

ZosEbRLbNQzLpnKikEdrPv7lOy9C27hHQ+Xp8a4MxAQ=" crossorigin="anonymous"></script><script src="https://cdn.optimizely.com/js/15784060578.js"></script><link as="script" rel="preload" href="/webpack-runtime-f27e6db82d9d7f7018dd.js"/><link as="script" rel="preload" href="/framework-cd462206e7ffd35180de.js"/><link as="script" rel="preload" href="/app-21ff557440d63499cf51.js"/><link as="script" rel="preload" href="/styles-f760bb5aeed7ae919c46.js"/><link as="script" rel="preload" href="/4c744e84-253c21a2eaa6944ff5e7.js"/><link as="script" rel="preload" href="/commons-206eeb95bb9423f1eef4.js"/><link as="script" rel="preload" href="/component---src-pages-confluent-community-license-js-8db6962c2568c2be4415.js"/><link as="fetch" rel="preload" href="/page-data/confluent-community-license/page-data.json" crossorigin="anonymous"/><link as="fetch" rel="preload" href="/page-data/app-data.json" crossorigin="anonymous"/></head><body class=""><noscript><iframe src="https://www.googletagmanager.com/ns.html?id=GTM-M58HDC6" height="0" width="0" style="display: none; visibility: hidden"></iframe></noscript><div id="__gatsby"><div style="outline:none" tabindex="-1" id="gatsby-focus-wrapper"><header class="style-module--header--3lrfm style-module--topPage--85hNf" style="top:40px"><div class="container style-module--container--3N3ii"><svg class="style-module--logo--35JXe" width="212" height="41" viewBox="0 0 212 41"><g fill="#0074A1" fill-rule="evenodd"><path d="M62.065 22.19H64c-.755 3.472-3.705 5.81-7.646 5.81C51.728 28 48 24.55 48 19.989 48 15.427 51.728 12 56.354 12c3.94 0 6.89 2.315 7.646 5.787h-1.935c-.661-2.519-2.785-4.107-5.71-4.107-3.635 0-6.467 2.7-6.467 6.309 0 3.608 2.832 6.332 6.466 6.332 2.926 0 5.05-1.635 5.71-4.131M84 20c0 4.455-3.57 8-8 8s-8-3.545-8-8 3.57-8 8-8 3.545 8 8m-1.808 0c0-3.5-2.711-6.318-6.192-6.318-3.48 0-6.192 2.818-6.192 6.318 0 3.5 2.712 6.318 6.192 6.318S82.192 23.5 82.192 20M103 12v16h-1.481-9.75-12.612V28H90V12h1.43519.794 12.777V12zM111.86 13.718V19.6h8.15v1.717h-8.15V28H110V12h11v1.718zM138 26.282V28h-11V12h1.914v14.282zM155 20.994c0 4.185-2.79 7.006-7 7.006s-7-2.82-7-7.006V12h1.9v8.994c0 3.075 2.02 5.295 5.1 5.295 3.055 0 5.1-2.22 5.1-5.295V12h1.9v8.994zM163.826 13.718V19.2h8.25v1.718h-8.25v5.365H173V28h-11V12h11v1.718zM191 12v16h-1.481-9.75-12.612V28H178V12h1.43519.794 12.777V12zM210 13.718h-5.626V28h-1.77V13.718H197V12h13zM26.375 20.975c.875-.047 1.75-.075 2.625-.139v-.672c-.875-.064-1.75-.092-2.625-.141-2.625-.081c-1.54-.047-3.08-.064-4.622-.07-.003-1.54-.01-3.082-.051-4.6231-.074-2.625c-.045-.875-.07-1.75-.132-2.625h-.742c-.062.875-.087 1.75-.132 2.6251-.073 2.625c-.02-723-.029 1.447-.036 2.17-.285-.665-.57-1.33-.865-1.9911-1.072-2.397c-.377-.79-.735-1.59-1.127-2.3751-.684.285c.277.831.589 1.65.882 2.4751.937 2.454c.258.675.526 1.346.796 2.018a129.517 129.517 0 0 0-1.56-1.5091-1.908-1.804c-.65-.587-1.287-1.188-1.95-1.7631-.523.524c.574.663 1.175 1.3 1.762 1.9511.804 1.908c.498.525 1.003 1.043 1.509 1.56-.672-.27-1.343-.538-2.019-.7961-2.453-.937c-.825-.293-1.644-.605-2.476-.8831-.284.685c.785.392 1.584.75 2.375 1.12712.397 1.072c.66.295 1.325.58 1.99.864-.723.008-1.446.017-2.17.0361-2.624.074c-.875.045-1.75.07-2.625.132v.742c.875.062 1.75.087 2.625.13212.625.073c1.542.042 3.083.049 4.624.052.01 1.54.022 3.081.069 4.6221.082 2.625c.047.875.075 1.75.139 2.625h.672c.064-.875.092-1.75.14-2.6251.081-2.625c.023-.741.035-1.482.046-2.223.292.681.587 1.361.892 2.03711.08 2.393c.378.79.738 1.588 1.133 2.3731.62-.259c-.275-.832-.583-1.651-.875-2.4781-.93-2.455c-.262-.694-.534-1.383-.808-2.072.531.517 1.063 1.032 1.604 1.5411.913 1.799c.652.585 1.29 1.184 1.955 1.7581.476-.476c-.574-.664-1.173-1.303-1.758-1.9551-1.799-1.914a132.32 132.32 0 0 0-1.539-1.603c.688.275 1.377.546 2.07.80912.457.929c.826.292 1.645.6 2.478.87612.258-.622c-.785-.393-1.582-.755-2.373-1.1331-2.393-1.08c-.676-.304-1.356-.598-2.036-.892.74-.01 1.481-.022 2.222-.04512.625-.082z"></path><path d="M19 37C9.626 37 2 29.374 2 20 2 10.626 9.626 3 19 3c9.374 0 17 7.626 17 17 0 9.374-7.626 17-17 17m0-32.41C10.503 4.59 3.59 11.502 3.59 20S10.503 35.41 19 35.41 34.41 28.497 34.41 20 27.497 4.59 19 4.59"></path></g></svg><div class="style-module--languageContainer--GbiNb"><div class="style-module--dropdown--39_e2"><li class="lang-en">English<li class="lang-fr">Franais<li class="lang-de">Deutsch<li class="lang-ja"></div><div class="style-module--toggle--3ljCl"></div></div><div class="style-module--navMobile--1PXXZ"><button type="button" class="style-module--button--Kl1_E navbar-

rel="noopener noreferrer" href="https://kafka-tutorials.confluent.io">Kafka Tutorials

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6.2
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CookiesMore Information</div></div></div></div></div><div id="gatsby-announcer" style="position:absolute;top:0;width:1px;height:1px;padding:0;overflow:hidden;clip:rect(0, 0, 0, 0);white-space:nowrap;border:0" aria-live="assertive" aria-atomic="true"></div></div><script id="__LOADABLE_REQUIRED_CHUNKS__" type="application/json">[]</script><script id="__LOADABLE_REQUIRED_CHUNKS__" type="application/json">{"namedChunks":[]}</script><script>!function(){var t=window.drifft=window.drift=window.drifft||[];if(!t.init){if(t.invoked)return void(window.console&&console.error&&console.error("Drift snippet included twice."));t.invoked=!0,t.methods=["identify","config","track","reset","debug","show","ping","page","hide","off","on"],t.factory=function(e){return function(){var n=Array.prototype.slice.call(arguments);return n.unshift(e),t.push(n),t}},t.methods.forEach(function(e){t[e]=t.factory(e)}),t.load=function(t){var e=3e5*Math.ceil(new Date/3e5),n=document.createElement("script");n.type="text/javascript",n.async=!0,n.crossorigin="anonymous",n.src="https://js.drifft.com/include/"+e+"/"+"+t+".js";var o=document.getElementsByTagName("script")[0];o.parentNode.insertBefore(n,o)}}();</script><script id="gatsby-script-loader">*<![CDATA[*/*window.pagePath="/confluent-community-license/"/*]]>*</script><script id="gatsby-chunk-mapping">*<![CDATA[*/*window.__chunkMapping={ "app":["/app-21ff557440d63499cf51.js"], "CfLandingPageSectionCard":["/CfLandingPageSectionCard"], "CfLandingPageSectionCarousel":["/CfLandingPageSectionImage"], "CfLandingPageSectionText":["/CfLandingPageSectionText"], "component---src-pages-404-js":["/component---src-pages-404-js-a62280e90a18b6f6be2b5.js"], "component---src-pages-about-js":["/component---src-pages-about-js-c8d17b6a92066a3cf011.js"], "component---src-pages-advisory-terms-and-conditions-april-2016-js":["/component---src-pages-advisory-terms-and-conditions-april-2016-js-9f2649e0a6965353c694.js"], "component---src-pages-advisory-terms-and-conditions-js":["/component---src-pages-advisory-terms-and-conditions-js-d90256f69401ecab1336.js"], "component---src-pages-apache-engineering-guidelines-js":["/component---src-pages-apache-engineering-guidelines-js-2971c703e56f1919b90f.js"], "component---src-pages-apache-guidelines-js":["/component---src-pages-apache-guidelines-js-fbf9142d3642b9f40357.js"], "component---src-pages-archives-cloud-customer-dpa-pre-nov-2019-js":["/component---src-pages-archives-cloud-customer-dpa-pre-nov-2019-js-962398ef607e7cddee1a.js"], "component---src-pages-archives-cloud-enterprise-security-addendum-jan-2019-js":["/component---src-pages-archives-cloud-enterprise-security-addendum-jan-2019-js-7f71feaf64c5ac2cf6a.js"], "component---src-pages-archives-confluent-cloud-tos-sept-2019-js":["/component---src-pages-archives-confluent-cloud-tos-sept-2019-js-d503f0495afed1e843dc.js"], "component---src-pages-archives-confluent-privacy-statement-april-2018-js":["/component---src-pages-archives-confluent-privacy-statement-april-2018-js-6df4b452875a55984d26.js"], "component---src-pages-archives-confluent-privacy-statement-january-2020-js":["/component---src-pages-archives-confluent-privacy-statement-january-2020-js-7251ce04885fed56c2f2.js"], "component---src-pages-archives-confluent-privacy-statement-may-2018-js":["/component---src-pages-archives-confluent-privacy-statement-may-2018-js-1d2755944822c34b9f9c.js"], "component---src-pages-archives-confluent-privacy-statement-may-2019-js":["/component---src-pages-archives-confluent-privacy-statement-may-2019-js-a62a981977a64ffe77aa.js"], "component---src-pages-archives-confluent-privacy-statement-september-2018-js":["/component---src-pages-archives-confluent-privacy-statement-september-2018-js-013662f55d66480ee814.js"], "component---src-pages-archives-supplemental-services-terms-april-2019-js":["/component---src-pages-archives-supplemental-services-terms-april-2019-js-64bc41c8ee67cd7ece93.js"], "component---src-pages-candidate-privacy-js":["/component---src-pages-candidate-privacy-js-bdd6f6ca28de6ef3bb1a.js"], "component---src-pages-careers-js":["/component---src-pages-careers-js-f87bdfa28f4e58617c8e.js"], "component---src-pages-certification-js":["/component---src-pages-certification-js-1e112f6a5cc22a06083f.js"], "component---src-pages-cloud-customer-dpa-js":["/component---src-pages-cloud-customer-dpa-js-b647dd4b2f61826adfc5.js"], "component---src-pages-cloud-enterprise-security-addendum-archive-

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1.244 io-grpc-grpc-netty 1.44.0

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```
*/opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/FixedTrustManagerFactory.java
```

* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/UnhelpfulSecurityProvider.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/InternalGracefulServerCloseCommand.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/FixedKeyManagerFactory.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/GracefulServerCloseCommand.java

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* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/InternalProtocolNegotiators.java

* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/InternalProtocolNegotiator.java

* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/ProtocolNegotiationEvent.java

* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/InternalWriteBufferingAndExceptionHandlerUtils.java

* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/WriteBufferingAndExceptionHandler.java

* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/InternalProtocolNegotiationEvent.java

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* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/NettySslContextChannelCredentials.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/NettySslContextServerCredentials.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/NettyChannelCredentials.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/InternalNettyServerCredentials.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/InternalNettyChannelCredentials.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/NettyServerCredentials.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/InsecureFromHttp1ChannelCredentials.java

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* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/ClientTransportLifecycleManager.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-

jar/io/grpc/netty/GrpcHttp2ConnectionHandler.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-
jar/io/grpc/netty/InternalNettyChannelBuilder.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-
jar/io/grpc/netty/StreamIdHolder.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-
jar/io/grpc/netty/AbstractHttp2Headers.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-
jar/io/grpc/netty/GrpcHttp2OutboundHeaders.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-
jar/io/grpc/netty/GracefulCloseCommand.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-
jar/io/grpc/netty/ForcefulCloseCommand.java
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jar/io/grpc/netty/KeepAliveEnforcer.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-
jar/io/grpc/netty/MaxConnectionIdleManager.java
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* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/AbstractNettyHandler.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/NettyServerProvider.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/NettyWritableBuffer.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/NettyClientStream.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/ProtocolNegotiators.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/JettyTlsUtil.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/package-info.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/CancelServerStreamCommand.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/ProtocolNegotiator.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/GrpcSslContexts.java
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* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/SendPingCommand.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/NettyWritableBufferAllocator.java

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* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/SendResponseHeadersCommand.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/NettyChannelBuilder.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/CreateStreamCommand.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/NettyClientTransport.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/NettyClientHandler.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/CancelClientStreamCommand.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/NettyReadableBuffer.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/NettyServerHandler.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/NettyServerTransport.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/NettyServerStream.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/Utils.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/NettyServer.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/NettyServerBuilder.java
* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/NegotiationType.java

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* /opt/cola/permits/1340815978_1654856867.7623396/0/grpc-netty-1-44-0-sources-jar/io/grpc/netty/NettySocketSupport.java

1.245 asm-based-accessors-helper-used-by-json-smart 2.4.8

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Manifest-Version: 1.0

Bnd-LastModified: 1644737816481

Build-Jdk: 11.0.14

Built-By: uriel

Bundle-Description: Java reflect give poor performance on getter setter
r an constructor calls, accessors-smart use ASM to speed up those calls.

Bundle-DocURL: <https://urielch.github.io/>

Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>

Bundle-ManifestVersion: 2

Bundle-Name: accessors-smart

Bundle-SymbolicName: net.minidev.accessors-smart

Bundle-Vendor: Chemouni Uriel

Bundle-Version: 2.4.8
Created-By: Apache Maven Bundle Plugin
Export-Package: net.minidev.asm;uses:="org.objectweb.asm";version="2.4.8",net.minidev.asm.ex;version="2.4.8"
Import-Package: org.objectweb.asm;version="[8.0,10)",net.minidev.asm.ex
Require-Capability: osgi.ee;filter:="(&(osgi.ee=JavaSE)(version=1.8))"
Tool: Bnd-5.1.1.202006162103

Found in path(s):

* /opt/cola/permits/1340076313_1654762627.85568/0/accessors-smart-2-4-8-jar/META-INF/MANIFEST.MF

1.246 byte-buddy 1.11.22

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1.247 fabric8-::-kubernetes-model-::-common

5.12.1

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```
* /opt/cola/permits/1340815941_1654860906.0784943/0/kubernetes-model-common-5-12-1-sources-
jar/io/fabric8/kubernetes/model/jackson/JsonUnwrappedDeserializer.java
* /opt/cola/permits/1340815941_1654860906.0784943/0/kubernetes-model-common-5-12-1-sources-
jar/io/fabric8/kubernetes/model/Scope.java
* /opt/cola/permits/1340815941_1654860906.0784943/0/kubernetes-model-common-5-12-1-sources-
jar/io/fabric8/kubernetes/model/util/Helper.java
* /opt/cola/permits/1340815941_1654860906.0784943/0/kubernetes-model-common-5-12-1-sources-
jar/io/fabric8/kubernetes/model/annotation/Version.java
* /opt/cola/permits/1340815941_1654860906.0784943/0/kubernetes-model-common-5-12-1-sources-
```

jar/io/fabric8/kubernetes/model/annotation/Generated.java
* /opt/cola/permits/1340815941_1654860906.0784943/0/kubernetes-model-common-5-12-1-sources-
jar/io/fabric8/kubernetes/model/annotation/ShortNames.java
* /opt/cola/permits/1340815941_1654860906.0784943/0/kubernetes-model-common-5-12-1-sources-
jar/io/fabric8/kubernetes/model/jackson/UnwrappedTypeResolverBuilder.java
* /opt/cola/permits/1340815941_1654860906.0784943/0/kubernetes-model-common-5-12-1-sources-
jar/io/fabric8/kubernetes/model/annotation/Singular.java
* /opt/cola/permits/1340815941_1654860906.0784943/0/kubernetes-model-common-5-12-1-sources-
jar/io/fabric8/kubernetes/model/annotation/LabelSelector.java
* /opt/cola/permits/1340815941_1654860906.0784943/0/kubernetes-model-common-5-12-1-sources-
jar/io/fabric8/kubernetes/model/annotation/Group.java
* /opt/cola/permits/1340815941_1654860906.0784943/0/kubernetes-model-common-5-12-1-sources-
jar/io/fabric8/kubernetes/model/annotation/Kind.java
* /opt/cola/permits/1340815941_1654860906.0784943/0/kubernetes-model-common-5-12-1-sources-
jar/io/fabric8/kubernetes/model/annotation/SpecReplicas.java
* /opt/cola/permits/1340815941_1654860906.0784943/0/kubernetes-model-common-5-12-1-sources-
jar/io/fabric8/kubernetes/model/annotation/StatusReplicas.java
* /opt/cola/permits/1340815941_1654860906.0784943/0/kubernetes-model-common-5-12-1-sources-
jar/io/fabric8/kubernetes/model/annotation/Plural.java
* /opt/cola/permits/1340815941_1654860906.0784943/0/kubernetes-model-common-5-12-1-sources-
jar/io/fabric8/kubernetes/model/annotation/PrinterColumn.java
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* /opt/cola/permits/1340815941_1654860906.0784943/0/kubernetes-model-common-5-12-1-sources-jar/META-
INF/maven/io.fabric8/kubernetes-model-common/pom.xml

1.248 jackson-mapper-asl 1.9.13

1.248.1 Available under license :

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```

Found in path(s):

```
* /opt/cola/permits/1301665339_1649270337.45/0/jackson-mapper-asl-1-9-13-sources-11-  
jar/org/codehaus/jackson/map/MappingJsonFactory.java
```

1.249 spring-boot-validation-starter 2.6.6

1.249.1 Available under license :

Spring Boot 2.6.6

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1.250 netty-transport-native-unix-common

4.1.75.Final

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* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/UnixChannelOption.java
* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/package-info.java
* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/IovArray.java
* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/Unix.java
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* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/META-INF/maven/io.netty/netty-transport-native-unix-common/pom.xml

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* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/Errors.java

* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/DatagramSocketAddress.java

* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/DomainSocketChannel.java

* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/netty_unix_filedescriptor.c

* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/UnixChannel.java

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* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/Socket.java

* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/netty_unix_errors.c

* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/netty_unix_errors.h

* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-

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* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/ServerDomainSocketChannel.java
* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/NativeInetAddress.java
* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/FileDescriptor.java
* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/DomainSocketChannelConfig.java
* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/netty_unix_filedescriptor.h

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* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/DomainDatagramChannel.java
* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/DomainDatagramPacket.java
* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/DomainDatagramChannelConfig.java
* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/DomainDatagramSocketAddress.java

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* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/netty_unix_buffer.h
* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/Buffer.java
* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/PreferredDirectByteBufAllocator.java
* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/netty_unix_buffer.c
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* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/PeerCredentials.java
* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/ErrorsStaticallyReferencedJniMethods.java
* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/netty_unix_util.c
* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/netty_unix_limits.c
```


* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/SocketWritableByteChannel.java
* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/netty_unix_util.h
* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/Limits.java
* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/LimitsStaticallyReferencedJniMethods.java
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* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/netty_unix_jni.h
* /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/io/netty/channel/unix/UnixChannelUtil.java

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- * /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/netty_unix.h
- * /opt/cola/permits/1337069404_1654119454.6719499/0/netty-transport-native-unix-common-4-1-75-final-sources-3-jar/netty_unix.c

1.251 fabric8-::-kubernetes-model-::-events

5.12.1

1.251.1 Available under license :

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- * /opt/cola/permits/1340816446_1654860848.8812537/0/kubernetes-model-events-5-12-1-sources-jar/manifest.vm
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* /opt/cola/permits/1340816446_1654860848.8812537/0/kubernetes-model-events-5-12-1-sources-jar/META-INF/maven/io.fabric8/kubernetes-model-events/pom.xml

1.252 ktor-utils-jvm 1.3.1

1.252.1 Available under license :

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1.253 kotlinx-coroutines-core 1.5.2

1.253.1 Available under license :

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1.254 hdrhistogram 2.1.12

1.254.1 Available under license :

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Manifest-Version: 1.0

Bnd-LastModified: 1575980548657

Build-Jdk: 1.8.0_232

Built-By: gil

Bundle-Description: HdrHistogram supports the recording and analyzing sampled data value counts across a configurable integer value range with configurable value precision within the range. Value precision is expressed as the number of significant digits in the value recording, and provides control over value quantization behavior across the value range and the subsequent value resolution at any given level.

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Bundle-ManifestVersion: 2

Bundle-Name: HdrHistogram

Bundle-SymbolicName: org.hdrhistogram.HdrHistogram

Bundle-Version: 2.1.12

Created-By: Apache Maven Bundle Plugin

Export-Package: org.HdrHistogram;version="2.1.12",org.HdrHistogram.packagedarray;version="2.1.12"

Implementation-Title: HdrHistogram

Implementation-Vendor-Id: org.hdrhistogram
Implementation-Version: 2.1.12
Require-Capability: osgi.ee;filter:=("&(osgi.ee=JavaSE)(version=1.7)")
Specification-Title: HdrHistogram
Specification-Version: 2.1.12
Tool: Bnd-2.3.0.201405100607

Found in path(s):

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1.255 jsonpatch 1.13

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1.256 io-grpc-grpc-api 1.44.0

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 * limitations under the License.
 */
/**
 * Key managers and trust managers may be specified as {@link KeyManager} and {@link
 * TrustManager} objects. This feature by itself only implies {@link #getKeyManagers()} needs to
 * be observed. But along with {@link #MTLS}, then {@link #getTrustManagers()} needs to be
 * observed as well. When a manager is non-{@code null}, then it is wholly responsible for key
 * or trust material and usage; there is no need to check other manager sources like {@link
 * #getCertificateChain()} or {@link #getPrivateKey()} (if {@code KeyManager} is available), or
 * {@link #getRootCertificates()} (if {@code TrustManager} is available).
```

*
* <p>If other manager sources are available (e.g., { @code getPrivateKey() != null}), then they
* may be alternative representations of the same configuration and the consumer is free to use
* those alternative representations if it prefers. But before doing so it must first
* check that it understands that alternative representation by using { @link #incomprehensible }
* without the { @code CUSTOM MANAGERS } feature.
*/

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* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/TlsServerCredentials.java

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* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ServerMethodDefinition.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/Metadata.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ServerCall.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/Drainable.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/Server.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ServerCallHandler.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ServerInterceptor.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/Channel.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ServerServiceDefinition.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ServerInterceptors.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ClientInterceptor.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/Status.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ClientInterceptors.java

```
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ClientCall.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/KnownLength.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/HandlerRegistry.java
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```
*/
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 * #getTrustManagers() }. Generally { @link #MTLS } should also be supported, as that is the more
 * common method of configuration. When a manager is non-{@code null}, then it is wholly
 * responsible for key or trust material and usage; there is no need to check other manager
 * sources like { @link #getCertificateChain() } or { @link #getPrivateKey() } (if { @code
 * KeyManager } is available), or { @link #getRootCertificates() } (if { @code TrustManager } is
 * available).
 *
 * <p>If other manager sources are available (e.g., { @code getPrivateKey() != null }), then they
 * may be alternative representations of the same configuration and the consumer is free to use
 * those alternative representations if it prefers. But before doing so it <em>must</em> first
 * check that it understands that alternative representation by using { @link #incomprehensible }
 * <em>without</em> the { @code CUSTOM_MANAGERS } feature.
 */
```

Found in path(s):

```
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-
jar/io/grpc/TlsChannelCredentials.java
```

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Found in path(s):

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ServerRegistry.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ChannelCredentials.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/InternalServer.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ServerCredentials.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ForwardingServerBuilder.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/InsecureChannelCredentials.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/HasByteBuffer.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/CompositeCallCredentials.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/InsecureServerCredentials.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ChoiceServerCredentials.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ManagedChannelRegistry.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/CompositeChannelCredentials.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ChoiceChannelCredentials.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/InternalConfigSelector.java

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Found in path(s):

- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/StatusException.java
- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/PartialForwardingServerCallListener.java
- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/package-info.java
- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ForwardingClientCallListener.java
- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/Codec.java
- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/Compressor.java
- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/DecompressorRegistry.java
- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/Decompressor.java
- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/Contexts.java
- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ForwardingServerCall.java
- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ForwardingServerCallListener.java
- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/PartialForwardingServerCall.java
- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ForwardingClientCall.java
- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/NameResolver.java
- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/CallOptions.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ServerBuilder.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/EquivalentAddressGroup.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/Attributes.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/Internal.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/CompressorRegistry.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ManagedChannelBuilder.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/StatusRuntimeException.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ManagedChannelProvider.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ServerProvider.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ExperimentalApi.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ManagedChannel.java
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* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/InternalChannelz.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/PartialForwardingClientCallListener.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/LoadBalancerRegistry.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/SynchronizationContext.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ChannelLogger.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/PartialForwardingClientCall.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/LoadBalancerProvider.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-

jar/io/grpc/InternalClientInterceptors.java

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* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ServiceDescriptor.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-

jar/io/grpc/InternalMethodDescriptor.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ConnectivityState.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/BindableService.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-

jar/io/grpc/ServerTransportFilter.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/Grpc.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/InternalMetadata.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/LoadBalancer.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-

jar/io/grpc/ConnectivityStateInfo.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-

jar/io/grpc/InternalKnownTransport.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-

jar/io/grpc/InternalDecompressorRegistry.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/CallCredentials.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/SecurityLevel.java

* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-

jar/io/grpc/NameResolverProvider.java

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```
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-
jar/io/grpc/ProxiedSocketAddress.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-
jar/io/grpc/HttpConnectProxiedSocketAddress.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-
jar/io/grpc/NameResolverRegistry.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-
jar/io/grpc/InternalCallOptions.java
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```
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/Detachable.java
* /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-
jar/io/grpc/ServerCallExecutorSupplier.java
```

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- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/InternalServiceProviders.java
- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ClientStreamTracer.java
- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/InternalInstrumented.java
- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/StreamTracer.java
- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/InternalStatus.java
- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/InternalServerInterceptors.java
- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/InternalWithLogId.java
- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ServerStreamTracer.java
- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ServiceProviders.java
- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/InternalLogId.java
- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ForwardingChannelBuilder.java
- * /opt/cola/permits/1340815733_1654856972.0680082/0/grpc-api-1-44-0-sources-jar/io/grpc/ProxyDetector.java

1.257 fabric8-::-kubernetes-model-::- networking 5.12.1

1.257.1 Available under license :

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* /opt/cola/permits/1340815668_1654860806.5167248/0/kubernetes-model-networking-5-12-1-sources-jar/META-INF/maven/io.fabric8/kubernetes-model-networking/pom.xml

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1.258 assertj-fluent-assertions 3.21.0

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 *
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 */
 /**
 * Base class for implementations of `{ @link ObjectEnumerableAssert }` whose actual value type is
 * `{ @link Collection }`.
 *
 * @param <SELF> the "self" type of this assertion class. Please read ["Emulating 'self types' using Java Generics to simplify fluent API
 implementation"](http://bit.ly/1IZIRcY)
 * for more details.
 * @param <ACTUAL> the type of the "actual" value.
 * @param <ELEMENT> the type of elements of the "actual" value.
 * @param <ELEMENT_ASSERT> used for navigational assertions to return the right assert type.
 *
 * @author Yvonne Wang
 * @author Alex Ruiz
 * @author Mathieu Baechler
 * @author Joel Costigliola
 * @author Maciej Jaskowski
 * @author Nicolas François
 * @author Mikhail Mazursky
 * @author Mateusz Haligowski
 * @author Lovro Pandzic
 * @author Marko Bekhta
 */

Found in path(s):

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-
 jar/org/assertj/core/api/AbstractIterableAssert.java

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 *

```
* Copyright 2012-2021 the original author or authors.
*/
/**
 * Base class for all implementations of assertions for {@link Byte}s.
 *
 * @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
 *     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
 * implementation</a>&quot;;
 *     for more details.
 *
 * @author Drummond Dawson
 * @author Yvonne Wang
 * @author David DIDIER
 * @author Ansgar Konermann
 * @author Alex Ruiz
 * @author Mikhail Mazursky
 * @author Nicolas François
 * @author Cal027
 */
```

Found in path(s):

```
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-
jar/org/assertj/core/api/AbstractByteAssert.java
```

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 *
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 */
/**
 * Assertions methods applicable to groups of objects (e.g. arrays or collections.)
 *
 * @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
 *     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
 * implementation</a>&quot;;
 *     for more details.
 * @param <ELEMENT> the type of elements of the "actual" value.
 */
```

* @author Yvonne Wang
* @author Alex Ruiz
* @author Nicolas François
* @author Mikhail Mazursky
* @author Joel Costigliola
* @author Nicolas François
* @author Florent Biville
*/

Found in path(s):

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/ObjectEnumerableAssert.java

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*/

/**

* Base class for all implementations of assertions for { @code CharSequence}s.

*

* @param <SELF> the "self" type of this assertion class. Please read ["http://bit.ly/1IZIRcY"](http://bit.ly/1IZIRcY)

* [target="_blank">Emulating 'self types' using Java Generics to simplify fluent API](#)

implementation"

* for more details.

* @param <ACTUAL> the type of the "actual" value.

*

* @author Yvonne Wang

* @author David DIDIER

* @author Alex Ruiz

* @author Joel Costigliola

* @author Mikhail Mazursky

* @author Nicolas Francois

* @author Daniel Weber

*/

Found in path(s):

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-

jar/org/assertj/core/api/AbstractCharSequenceAssert.java

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 * specific language governing permissions and limitations under the License.
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 */
/**
 * Base class for all implementations of assertions for { @link List}s.
 * @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
 *     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
 * implementation</a>&quot;
 *     for more details.
 * @param <ACTUAL> the type of the "actual" value.
 * @param <ELEMENT> the type of elements of the "actual" value.
 * @param <ELEMENT_ASSERT> used for navigational assertions to return the right assert type.
 *
 * @author Yvonne Wang
 * @author Alex Ruiz
 * @author Joel Costigliola
 * @author Mikhail Mazursky
 * @author Jacek Jackowiak
 */
```

Found in path(s):

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-

jar/org/assertj/core/api/AbstractListAssert.java

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```

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*

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*/

/**

* Base class for all implementations of assertions for { @link BigDecimal}s.

*

* @param <SELF> the "self" type of this assertion class. Please read "<a href="http://bit.ly/1IZIRcY"

* target="_blank">Emulating 'self types' using Java Generics to simplify fluent API

implementation"

* for more details.

*

* @author Drummond Dawson

* @author David DIDIER

* @author Ted M. Young

* @author Yvonne Wang

* @author Alex Ruiz

* @author Joel Costigliola

* @author Mikhail Mazursky

*/

Found in path(s):

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-

jar/org/assertj/core/api/AbstractBigDecimalAssert.java

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*/

/**

* Base class for all assertions.

*

* @param <SELF> the "self" type of this assertion class. Please read "<a href="http://bit.ly/1IZIRcY"

* target="_blank">Emulating 'self types' using Java Generics to simplify fluent API

implementation"

* for more details.

* @param <ACTUAL> the type of the "actual" value.
*
* @author Alex Ruiz
* @author Joel Costigliola
* @author Mikhail Mazursky
* @author Nicolas François
*/

Found in path(s):

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AbstractAssert.java

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*/

/**

* Base class for all implementations of assertions for { @link Throwable}s.

*

* @param <SELF> the "self" type of this assertion class. Please read ["http://bit.ly/1IZIRcY"](http://bit.ly/1IZIRcY) `target="_blank">Emulating 'self types' using Java Generics to simplify fluent API implementation`

* for more details.

* @param <ACTUAL> the type of the "actual" value.

*

* @author David DIDIER

* @author Alex Ruiz

* @author Joel Costigliola

* @author Mikhail Mazursky

* @author Jack Gough

* @author Mike Gilchrist

*/

Found in path(s):

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AbstractThrowableAssert.java

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 * specific language governing permissions and limitations under the License.
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 */
/**
 * Base class for all implementations of assertions for { @link Integer}s.
 *
 * @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
 *     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
 * implementation</a>&quot;
 *     for more details.
 *
 * @author Drummond Dawson
 * @author Yvonne Wang
 * @author David DIDIER
 * @author Ansgar Konermann
 * @author Alex Ruiz
 * @author Joel Costigliola
 * @author Mikhail Mazursky
 * @author Nicolas François
 * @author Cal027
 */
```

Found in path(s):

```
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-
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```

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*/
/**
* Base class for all implementations of assertions for { @link File}s.
*
* @param <SELF> the "self" type of this assertion class. Please read "<a href="http://bit.ly/1IZIRcY"
* target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation"
* for more details.
*
* @author David DIDIER
* @author Yvonne Wang
* @author Alex Ruiz
* @author Olivier Michallat
* @author Olivier Demeijer
* @author Mikhail Mazursky
* @author Jean-Christophe Gay
* @author Valeriy Vyrva
* @author Nikolaos Georgiou
*/

Found in path(s):

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-
jar/org/assertj/core/api/AbstractFileAssert.java

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jar/org/assertj/core/internal/StandardComparisonStrategy.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/condition/MappedCondition.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldBeAtIndex.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldBeInSameSecond.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/AbstractShouldHaveTextContent.java

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* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/filter/FilterOperator.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/LongAssert.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/MapAssert.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/OptionalShouldBeEmpty.java

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* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/ArraySortedAssert.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/future/Warning.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/util/Objects.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/ClassBasedNavigableListAssert.java

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* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldHaveContent.java

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* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/uri/ShouldHaveFragment.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/Float2DArrayAssert.java

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* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ElementsShouldNotBe.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldBeSorted.java

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* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/internal/FieldByFieldComparator.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/SpliteratorAssert.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/iterable/ThrowingExtractor.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/OptionalIntAssert.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AbstractArrayAssert.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ElementsShouldBeExactly.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AbstractPredicateLikeAssert.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldBeAbsolutePath.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ConstructorInvoker.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AbstractIterableSizeAssert.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AbstractOptionalAssert.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldNotStartWith.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldBeEqualWithinPercentage.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldNotBeEqualNormalizingWhitespace.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/extractor/ToStringExtractor.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/internal/AbstractComparisonStrategy.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldBeEqualIgnoringCase.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AtomicReferenceArrayAssert.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/internal/Objects.java
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* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AbstractDurationAssert.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AbstractUrlAssert.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/ByteArrayAssert.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldBeInSameMonth.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldHaveMessageFindingMatchRegex.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/future/ShouldBeDone.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldNotBeFinite.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/internal/Predicates.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/WritableAssertionInfo.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/internal/DescribableComparator.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/AssertionErrorMessagesAggregator.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldContainOneOrMoreWhitespaces.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/JUnitBDDSoftAssertions.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/ObjectAssertFactory.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/internal/CommonErrors.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldHaveTime.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/presentation/Representation.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldBeInstance.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/internal/RealNumbers.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/AnyElementShouldMatch.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldContainEntry.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/JUnitJupiterSoftAssertions.java

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* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldBeMixedCase.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/Java6SoftAssertions.java

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* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/internal/Float2DArrays.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AbstractAtomicFieldUpdaterAssert.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldEndWithPath.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/internal/ComparatorBasedComparisonStrategy.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/util/IterableUtil.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/ZonedDateTimeAssert.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/annotations/Beta.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/util/URLs.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/internal/Uri.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/LongArrayAssert.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldBeGreaterOrEqual.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/internal/BinaryDiff.java

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* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldHaveSizeGreaterThan.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/util/Strings.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AbstractShortArrayAssert.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldHaveNoSuperclass.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/util/BigDecimalComparator.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/util/diff/Patch.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/util/TriFunction.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldHaveMethods.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldOnlyHaveFields.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldHaveCauseReference.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AssertionErrorCollector.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldContainSubsequenceOfCharSequence.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldNotHaveAnyElementsOfTypes.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldNotContainKeys.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/internal/Dates.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AbstractFutureAssert.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AbstractOffsetDateTimeAssert.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/SoftAssertionError.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/UnsatisfiedRequirement.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/internal/Failures.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/condition/DoesNotHave.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldNotHaveSameClass.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldBeEqualIgnoringWhitespace.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldContainOnlyKeys.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/util/diff/Delta.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/presentation/BinaryRepresentation.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AutoCloseableSoftAssertionsProvider.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/util/introspection/PropertyOrFieldSupport.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/recursive/comparison/FieldLocation.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AbstractSoftAssertions.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/recursive/comparison/ComparisonDifference.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AbstractAtomicReferenceAssert.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AutoCloseableSoftAssertions.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldBeInterface.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/condition/AnyOf.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldOnlyHaveElementsOfTypes.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldContainsOnlyOnce.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldHaveRootCauseInstance.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldBeEqualIgnoringMinutes.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/internal/Shorts.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldContainKeys.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldHaveValue.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldBeAssignableFrom.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldContainSubsequence.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/internal/BooleanArrays.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/util/VisibleForTesting.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/internal/Conditions.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AbstractOptionalLongAssert.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/internal/DigestDiff.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/uri/ShouldBeEqualToWithSortedQueryParameters.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldBeInSameYear.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldHaveRootCause.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldNotContainOnlyWhitespaces.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AbstractIntArrayAssert.java
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* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/data/TemporalOffset.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldNotBeBetween.java

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AtomicStampedReferenceAssert.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/FutureAssert.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldNotBeEmpty.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/Long2DArrayAssert.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldHaveDigest.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldHaveRootCauseExactlyInstance.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AbstractOptionalDoubleAssert.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldNotBeEqualComparingFieldByFieldRecursively.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldHavePackage.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/util/diff/Chunk.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/DateAssert.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldHaveAnnotations.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/ByteAssert.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldHaveAtIndex.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AssertJProxySetup.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldBeToday.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/internal/ErrorMessage.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldNotBeOfClassIn.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/PathAssert.java
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/error/ShouldHaveDateField.java

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*/
/**

* Base class for all implementations of assertions for { @link Float}s.

*
* @param <SELF> the "self" type of this assertion class. Please read "<a href="http://bit.ly/1IZIRcY"
* target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation"
* for more details.

*
* @author Drummond Dawson
* @author Yvonne Wang
* @author Alex Ruiz
* @author Ansgar Konermann
* @author Mikhail Mazursky
* @author Nicolas François
* @author Jin Kwon

*/

Found in path(s):

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-
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*/
/**

* Base class for all implementations of assertions for { @link Character}s.

*
* @param <SELF> the "self" type of this assertion class. Please read "<a href="http://bit.ly/1IZIRcY"

```
*      target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation</a>&quot;
*      for more details.
*
* @author Yvonne Wang
* @author David DIDIER
* @author Ansgar Konermann
* @author Alex Ruiz
* @author Joel Costigliola
* @author Mikhail Mazursky
*/
```

Found in path(s):

```
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-
jar/org/assertj/core/api/AbstractCharacterAssert.java
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*/
/**
* Base class for all implementations of assertions for { @link Short}s.
*
* @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
*      target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation</a>&quot;
*      for more details.
*
* @author Drummond Dawson
* @author Yvonne Wang
* @author David DIDIER
* @author Ansgar Konermann
* @author Alex Ruiz
* @author Mikhail Mazursky
* @author Nicolas François
* @author Cal027
*/
```

Found in path(s):

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AbstractShortAssert.java

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*/

/**

* Base class for all implementations of assertions for {@link Object}s.

*

* @param <SELF> the "self" type of this assertion class. Please read ["http://bit.ly/1IZIRcY"](http://bit.ly/1IZIRcY)

* [target="_blank">Emulating 'self types' using Java Generics to simplify fluent API implementation](#)

* for more details.

* @param <ACTUAL> the type of the "actual" value.

*

* @author Yvonne Wang

* @author Alex Ruiz

* @author Nicolas François

* @author Mikhail Mazursky

* @author Joel Costigliola

* @author Libor Ondrusek

*/

Found in path(s):

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AbstractObjectAssert.java

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*/

/**

* Base class for all implementations of assertions for { @link InputStream}s.
* @param <SELF> the "self" type of this assertion class. Please read "<a href="http://bit.ly/1IZIRcY"
* target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation"
* for more details.
* @param <ACTUAL> the type of the "actual" value.

*

* @author Matthieu Baechler

* @author Mikhail Mazursky

* @author Stefan Birkner

*/

Found in path(s):

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-
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*/

/**

* Base class for all implementations of assertions for { @link LongAdder}s.

*

* @param <SELF> the "self" type of this assertion class. Please read "<a href="http://bit.ly/1IZIRcY"
* target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation"

* for more details.

*

*

* @author Grzegorz Piwowarek
* @since 3.16.0
*/

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* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AbstractLongAdderAssert.java

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/**

* Base class for all implementations of assertions for { @link Long}s.

*

* @param <SELF> the "self" type of this assertion class. Please read ["http://bit.ly/1IZIRcY"](http://bit.ly/1IZIRcY)

* [target="_blank">Emulating 'self types' using Java Generics to simplify fluent API](#)

implementation"

* [for more details.](#)

*

* @author Drummond Dawson

* @author Yvonne Wang

* @author David DIDIER

* @author Ansgar Konermann

* @author Alex Ruiz

* @author Joel Costigliola

* @author Mikhail Mazursky

* @author Nicolas François

* @author Cal027

*/

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* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AbstractLongAssert.java

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*
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*/
/**
* Base class for all implementations of assertions for { @link Collection}s.
* @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
*     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation</a>&quot;
*     for more details.
* @param <ACTUAL> the type of the "actual" value.
* @param <ELEMENT> the type of elements of the "actual" value.
* @param <ELEMENT_ASSERT> used for navigational assertions to return the right assert type.
*
* @since 3.21.0
*/
```

Found in path(s):

```
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-
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*/
/**
* Base class for all implementations of assertions for { @link Double}s.
*
*/
```



```
* @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
*     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation</a>&quot;
*     for more details.
*
* @author Drummond Dawson
* @author Yvonne Wang
* @author David DIDIER
* @author Alex Ruiz
* @author Ansgar Konermann
* @author Joel Costigliola
* @author Mikhail Mazursky
* @author Nicolas François
* @author Jack Gough
*/
```

Found in path(s):

```
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-
jar/org/assertj/core/api/AbstractDoubleAssert.java
```

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/**
* Base class for all implementations of assertions for { @link Class }es.
*
* @param <SELF> the "self" type of this assertion class. Please read &quot;<a href="http://bit.ly/1IZIRcY"
*     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
implementation</a>&quot;
*     for more details.
*
* @author William Delanoue
* @author Mikhail Mazursky
*/
```

Found in path(s):

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AbstractClassAssert.java

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*/

/**

* Base class for all implementations of assertions for { @link Date}s.

* <p>

* Note that assertions with date parameter comes with two flavor, one is obviously a { @link Date } and the other is a

* { @link String } representing a Date.

* For the latter, the default format follows ISO 8901 : "yyyy-MM-dd", user can override it with a custom format by

* calling { @link #withDateFormat(DateFormat)}.

* The user custom format will then be used for all next Date assertions (i.e not limited to the current assertion) in

* the test suite.

* To turn back to default format, simply call { @link #withDefaultDateFormatsOnly()}.

*

* @param <SELF> the "self" type of this assertion class. Please read "<http://bit.ly/1IZIRcY>"

* target="_blank">Emulating 'self types' using Java Generics to simplify fluent API implementation" for more details.

* @author Tomasz Nurkiewicz (thanks for giving assertions idea)

* @author Joel Costigliola

* @author Mikhail Mazursky

* @author William Delanoue

* @author Michal Kordas

* @author Eddú Meléndez

*/

Found in path(s):

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AbstractDateAssert.java

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 */
 /**
 * Base class for all implementations of assertions for { @link Map}s.
 *
 * @param <SELF> the "self" type of this assertion class. Please read "Emulating 'self types' using Java Generics to simplify fluent API
 * implementation"
 * for more details.
 * @param <ACTUAL> the type of the "actual" value.
 * @param <K> the type of keys in the map.
 * @param <V> the type of values in the map.
 *
 * @author David DIDIER
 * @author Yvonne Wang
 * @author Alex Ruiz
 * @author Mikhail Mazursky
 * @author Nicolas François
 * @author dorzey
 * @author Filip Hrisafov
 */

Found in path(s):

* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-jar/org/assertj/core/api/AbstractMapAssert.java

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```
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*/
/**
 * Base class for all implementations of assertions for { @link Boolean}s.
 *
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 *     target="_blank">Emulating 'self types' using Java Generics to simplify fluent API
 * implementation</a>&quot;
 *     for more details.
 *
 * @author Alex Ruiz
 * @author Yvonne Wang
 * @author David DIDIER
 * @author Ansgar Konermann
 * @author Mikhail Mazursky
 */
```

Found in path(s):

```
* /opt/cola/permits/1340815564_1654861496.226667/0/assertj-core-3-21-0-sources-1-
jar/org/assertj/core/api/AbstractBooleanAssert.java
```

1.259 dbunit 2.7.0

1.259.1 Available under license :

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```
/*
```

File: BoundedLinkedListQueue.java

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History:

Date	Who	What
11Jun1998	dl	Create public version
17Jul1998	dl	Simplified by eliminating wait counts
25aug1998	dl	added peek
10oct1999	dl	lock on node object to ensure visibility
27jan2000	dl	setCapacity forces immediate permit reconcile

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/util/concurrent/BoundedLinkedListQueue.java
```

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File: Slot.java

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Date	Who	What
11Jun1998	dl	Create public version
25aug1998	dl	added peek

*/

Found in path(s):

* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/concurrent/Slot.java

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*

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Found in path(s):

* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/database/QueryDataSet.java

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* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/dataset/xml/XmlDataSetWriter.java

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*
* @author Robert Harder (rharder@usa.net)
* @author Last changed by: \$Author\$\br/>* @version \$Revision\$ \$Date\$\br/>* @since 1.3
*/

Found in path(s):

* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/Base64.java
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*  
*/
```

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* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/search/DepthFirstSearch.java
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```
/*  
File: LinkedList.java
```

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History:

Date	Who	What
11Jun1998	dl	Create public version
25aug1998	dl	added peek
10dec1998	dl	added isEmpty
10oct1999	dl	lock on node object to ensure visibility

*/

Found in path(s):

* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/concurrent/LinkedList.java

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*/

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* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/ext/mssql/DateTimeOffsetType.java

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19Jun1998	dl	Create public version

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* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/database/search/ForeignKeyRelationshipEdge.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/database/search/ExportedKeysSearchCallback.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/database/search/ImportedAndExportedKeysSearchCallbackFilteredByPKs.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/search/AbstractNodesFilterSearchCallback.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/database/search/ImportedAndExportedKeysSearchCallback.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/database/search/TablesDependencyHelper.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/database/search/ImportedKeysSearchCallback.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/SQLHelper.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/database/PrimaryKeyFilteredTableWrapper.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/search/AbstractExcludeNodesSearchCallback.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/database/search/AbstractMetaDataBasedSearchCallback.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/search/Edge.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/CollectionsHelper.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/search/AbstractIncludeNodesSearchCallback.java

```
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/search/IEdge.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/util/search/ISearchAlgorithm.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/database/search/ImportedKeysSearchCallbackFilteredByPKs.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/util/search/ISearchCallback.java
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```

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```
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* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/assertion/DiffCollectingFailureHandler.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/assertion/DifferenceListener.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/assertion/DbComparisonFailure.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/assertion/DefaultFailureHandler.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/assertion/SimpleAssert.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/assertion/DbAssertionFailedError.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/assertion/JUnitFailureFactory.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/assertion/FailureFactory.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/assertion/FailureHandler.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/assertion/Difference.java

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File: Puttable.java

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History:

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* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/ext/h2/H2Connection.java

* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/ext/h2/H2DataTypeFactory.java

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History:

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29Jun1998	dl	Create public version
4Aug1998	dl	Change to extend InterruptedException

*/

Found in path(s):

* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/concurrent/TimeoutException.java

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Found in path(s):

* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/ext/mssql/UniqueIdentifierType.java

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Found in path(s):

* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
 jar/org/dbunit/ext/oracle/OracleSdoOrdinateArray.java
 * /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
 jar/org/dbunit/dataset/excel/XlsDataSetWriter.java
 * /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
 jar/org/dbunit/dataset/datatype/StringIgnoreCaseDataType.java
 * /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
 jar/org/dbunit/PrepAndExpectedTestCase.java
 * /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
 jar/org/dbunit/dataset/datatype/UuidAwareBytesDataType.java
 * /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
 jar/org/dbunit/dataset/sqlloader/SqlLoaderControlParserException.java
 * /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
 jar/org/dbunit/dataset/sqlloader/SqlLoaderControlProducer.java
 * /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
 jar/org/dbunit/assertion/DbUnitAssert.java
 * /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
 jar/org/dbunit/dataset/sqlloader/SqlLoaderControlParser.java
 * /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
 jar/org/dbunit/database/ResultSetTableMetaData.java
 * /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
 jar/org/dbunit/dataset/sqlloader/SqlLoaderControlParserImpl.java
 * /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
 jar/org/dbunit/dataset/filter/ITableFilterSimple.java
 * /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
 jar/org/dbunit/dataset/ColumnFilterTable.java
 * /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
 jar/org/dbunit/util/fileloader/XlsDataFileLoader.java
 * /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
 jar/org/dbunit/DefaultPrepAndExpectedTestCase.java

```
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/FileHelper.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/TableFormatter.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/fileloader/FlatXmlDataFileLoader.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/VerifyTableDefinition.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/ext/oracle/OracleSdoPointType.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/ant/DbConfig.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/fileloader/DataFileLoader.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/fileloader/AbstractDataFileLoader.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/ext/oracle/OracleSdoGeometryDataType.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/ext/oracle/OracleSdoGeometry.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/ext/oracle/OracleSdoElemInfoArray.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/fileloader/CsvDataFileLoader.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/sqlloader/SqlLoaderControlDataSet.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/ext/oracle/OracleSdoHelper.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/fileloader/FullXmlDataFileLoader.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/PrepAndExpectedTestCaseSteps.java
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```

```
/*
```

```
File: Sync.java
```

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Thanks for the assistance and support of Sun Microsystems Labs,
and everyone contributing, testing, and using this code.

History:

Date	Who	What
11Jun1998	dl	Create public version
5Aug1998	dl	Added some convenient time constants

```
*/
```

Found in path(s):

```
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
```


jar/org/dbunit/util/concurrent/Sync.java

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History:

Date	Who	What
30Jun1998	dl	Create public version

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* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/concurrent/SynchronizedVariable.java

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* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/operation/OperationData.java

* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/DatabaseUnitException.java

* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-

jar/org/dbunit/database/DatabaseDataSet.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/ant/DbUnitTaskStep.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/dataset/ITableIterator.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/dataset/datatype/TimeDataType.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/dataset/xml/FlatDtdWriter.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/ext/oracle/OracleBlobDataType.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/dataset/stream/IDataSetProducer.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/ext/mysql/MySqlDataTypeFactory.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/dataset/Column.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/dataset/SortedTable.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/dataset/stream/BufferedConsumer.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/dataset/datatype/IntegerDataType.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/dataset/LowerCaseDataSet.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/ext/mssql/MsSqlConnection.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/DatabaseUnitRuntimeException.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/dataset/datatype/BytesDataType.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/database/ScrollableResultSetTable.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/dataset/datatype/NumberTolerantDataType.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/database/statement/SimplePreparedStatement.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/dataset/LowerCaseTableMetaData.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/ext/mckoi/MckoiConnection.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/operation/DeleteAllOperation.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/dataset/filter/SequenceTableFilter.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/util/search/SearchException.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/dataset/DefaultDataSet.java

* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/csv/CsvParserImpl.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/common/handlers/IllegalInputCharacterException.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/database/CachedResultSetTableFactory.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/ext/postgresql/InetType.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/DatabaseTestCase.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/database/statement/AutomaticPreparedBatchStatement.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/filter/PatternMatcher.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/database/AbstractResultSetTable.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/database/DatabaseConfig.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/database/statement/SimpleStatement.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/datatype/DefaultDataTypeFactory.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/CompositeTable.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/datatype/UnknownDataType.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/DefaultTableMetaData.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/excel/XlsTable.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/operation/TransactionOperation.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/database/statement/AbstractBatchStatement.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/datatype/StringDataType.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/datatype/FloatDataType.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/csv/CsvDataSetWriter.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/operation/CompositeOperation.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/datatype/BlobDataType.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/database/statement/BatchStatementDecorator.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/common/handlers/EscapeHandler.java

* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/filter/IncludeTableFilter.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/JdbcBasedDBTestCase.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/database/statement/IPreparedBatchStatement.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/common/handlers/QuoteHandler.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/operation/AbstractOperation.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/common/handlers/EnforceHandler.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/csv/CsvProducer.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/stream/IDataSetConsumer.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/ant/Query.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/datatype/DateDataType.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/ForwardOnlyDataSet.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/CachedTable.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/PropertiesBasedJdbcDatabaseTester.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/common/handlers/IsAlnumHandler.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/common/handlers/AllHandler.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/common/handlers/PipelineException.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/datatype/DataTypeException.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/filter/SequenceTableIterator.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/xml/FlatXmlWriter.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/ITable.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/ext/hsqldb/HsqldbConnection.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/DefaultTable.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/operation/RefreshOperation.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/operation/UpdateOperation.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/common/handlers/SeparatorHandler.java

* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/xml/FlatXmlDataSet.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/IDatabaseTester.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/ant/Operation.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/IRowValueProvider.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/database/statement/StatementFactory.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/datatype/BitDataType.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/xml/FlatDtdDataSet.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/ext/mssql/InsertIdentityOperation.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/database/statement/IStatementFactory.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/CachedDataSet.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/ReplacementTable.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/database/ForwardOnlyResultSetTable.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/DBTestCase.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/common/handlers/NoHandler.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/database/statement/IBatchStatement.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/ant/QuerySet.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/ReplacementDataSet.java
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* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
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* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/Assertion.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
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* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/operation/TruncateTableOperation.java
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/database/statement/CompoundStatement.java
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* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/ext/db2/Db2MetadataHandler.java
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* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/xml/FlatXmlDataSetBuilder.java

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Thanks for the assistance and support of Sun Microsystems Labs,
and everyone contributing, testing, and using this code.

History:

Date	Who	What
11Jun1998	dl	Create public version
5Aug1998	dl	replaced int counters with longs
24Aug1999	dl	release(n): screen arguments

*/

Found in path(s):

* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/concurrent/Semaphore.java

No license file was found, but licenses were detected in source scan.

/*

*

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* Copyright (C)2002-2004, DbUnit.org

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*

*/

Found in path(s):

* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/ext/oracle/OracleNClobDataType.java

* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/dataset/csv/CsvURLDataSet.java

```
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/dataset/csv/CsvURLProducer.java
```

No license file was found, but licenses were detected in source scan.

```
/*
```

File: SynchronousChannel.java

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and everyone contributing, testing, and using this code.

History:

Date	Who	What
11Jun1998	dl	Create public version
17Jul1998	dl	Disabled direct semaphore permit check
31Jul1998	dl	Replaced main algorithm with one with better scaling and fairness properties.
25aug1998	dl	added peek
24Nov2001	dl	Replaced main algorithm with faster one.

```
*/
```

```
/**
```

```
* A rendezvous channel, similar to those used in CSP and Ada. Each
* put must wait for a take, and vice versa. Synchronous channels
* are well suited for handoff designs, in which an object running in
* one thread must synch up with an object running in another thread
* in order to hand it some information, event, or task.
* <p> If you only need threads to synch up without
* exchanging information, consider using a Barrier. If you need
* bidirectional exchanges, consider using a Rendezvous. <p>
*
* <p>Read the
* <a href="http://gee.cs.oswego.edu/dl/classes/EDU/oswego/cs/dl/util/concurrent/intro.html">introduction to this
package</a>
* for more details.
*
* @author Doug Lea
* @author Last changed by: $Author$
* @version $Revision$ $Date$
* @since ? (pre 2.1)
* @see <a
href="http://gee.cs.oswego.edu/dl/classes/EDU/oswego/cs/dl/util/concurrent/Rendezvous.html">Rendezvous</a>
* @see <a
href="http://gee.cs.oswego.edu/dl/classes/EDU/oswego/cs/dl/util/concurrent/CyclicBarrier.html">CyclicBarrier</a>
*/
```

Found in path(s):

```
* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
```

jar/org/dbunit/util/concurrent/SynchronousChannel.java

No license file was found, but licenses were detected in source scan.

```
/* =====  
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```

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*

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Found in path(s):

* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/util/xml/XmlWriter.java

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/*

File: Takable.java

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and everyone contributing, testing, and using this code.

History:

Date	Who	What
11Jun1998	dl	Create public version

*/

Found in path(s):

* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-
jar/org/dbunit/util/concurrent/Takable.java

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/*

File: LinkedNode.java

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History:

Date	Who	What
11Jun1998	dl	Create public version
25may2000	dl	Change class access to public
26nov2001	dl	Added no-arg constructor, all public access.

*/

Found in path(s):

* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/concurrent/LinkedNode.java

No license file was found, but licenses were detected in source scan.

/*

File: BoundedBuffer.java

Originally written by Doug Lea and released into the public domain.
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Thanks for the assistance and support of Sun Microsystems Labs,
and everyone contributing, testing, and using this code.

History:

Date	Who	What
11Jun1998	dl	Create public version
17Jul1998	dl	Simplified by eliminating wait counts
25aug1998	dl	added peek
5May1999	dl	replace % with conditional (slightly faster)

*/

Found in path(s):

* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/concurrent/BoundedBuffer.java

No license file was found, but licenses were detected in source scan.

/*

*

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*

*/

Found in path(s):

* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-

jar/org/dbunit/util/QualifiedTableName.java

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/*

File: SemaphoreControlledChannel.java

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Thanks for the assistance and support of Sun Microsystems Labs,
and everyone contributing, testing, and using this code.

History:

Date	Who	What
16Jun1998	dl	Create public version
5Aug1998	dl	replaced int counters with longs
08dec2001	dl	reflective constructor now uses longs too.

*/

Found in path(s):

* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/concurrent/SemaphoreControlledChannel.java

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/*

File: BoundedChannel.java

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History:

Date	Who	What
11Jun1998	dl	Create public version

*/

Found in path(s):

* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/concurrent/BoundedChannel.java

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/*

File: PropertyChangeMulticaster.java

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and everyone contributing, testing, and using this code.

This class is based on Sun JDK java.beans.VetoableChangeSupport, which is copyrighted by Sun. (It shares practically no code, but for consistency, the documentation was lifted and adapted here.)

History:

Date	Who	What
14Mar1999	dl	first release

*/

Found in path(s):

* /opt/cola/permits/1340816155_1654719658.2515867/0/dbunit-2-7-0-sources-jar/org/dbunit/util/concurrent/PropertyChangeMulticaster.java

1.260 generex 1.0.2

1.260.1 Available under license :

No license file was found, but licenses were detected in source scan.

Generex is licensed under the Apache License, Version 2.0.

<http://www.apache.org/licenses/LICENSE-2.0>

Found in path(s):

* /opt/cola/permits/1162863542_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/README.md

No license file was found, but licenses were detected in source scan.

```
<project xmlns="http://maven.apache.org/POM/4.0.0" xmlns:xsi="http://www.w3.org/2001/XMLSchema-instance"
  xsi:schemaLocation="http://maven.apache.org/POM/4.0.0 http://maven.apache.org/xsd/maven-4.0.0.xsd">
  <modelVersion>4.0.0</modelVersion>
  <groupId>com.github.mifmif</groupId>
  <artifactId>generex</artifactId>
  <version>1.0.2</version>
  <name>Generex</name>
  <url>https://github.com/mifmif/Generex/tree/master</url>
  <description>Generex A Java Library for regex to Strings generation</description>
  <packaging>jar</packaging>
  <licenses>
    <license>
      <name>The Apache Software License, Version 2.0</name>
      <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
      <distribution>repo</distribution>
    </license>
  </licenses>
  <developers>
    <developer>
      <id>mifmif</id>
```

```

<name>MIFRAH Youssef</name>
<email>mifmif.com@gmail.com</email>
</developer>
<developer>
<id>mkolisnyk</id>
<name>mkolisnyk</name>
<email>kolesnik.nickolay@gmail.com</email>
</developer>
</developers>

<parent>
<groupId>org.sonatype.oss</groupId>
<artifactId>oss-parent</artifactId>
<version>7</version>
</parent>

<properties>
<project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
<maven.pmd.excludes>*/generated-sources/*</maven.pmd.excludes>
</properties>

<scm>
<connection>scm:git:git@github.com:mifmif/Generex.git</connection>
<developerConnection>scm:git:git@github.com:mifmif/Generex.git</developerConnection>
<url>https://github.com/mifmif/Generex.git</url>
</scm>

<ciManagement>
<url>https://travis-ci.org/mifmif/Generex/builds</url>
<system>Travis</system>
<notifiers>
<notifier>
<address>mifmif.com@gmail.com</address>
<type>mail</type>
</notifier>
<notifier>
<address>kolesnik.nickolay@gmail.com</address>
<type>mail</type>
</notifier>
</notifiers>
</ciManagement>

<distributionManagement>
<snapshotRepository>
<id>ossrh</id>
<url>https://oss.sonatype.org/content/repositories/snapshots</url>
</snapshotRepository>
<repository>
<id>ossrh</id>
<url>https://oss.sonatype.org/service/local/staging/deploy/maven2/</url>

```

```
</repository>
</distributionManagement>
```

```
<build>
  <sourceDirectory>src/main/java</sourceDirectory>
  <testSourceDirectory>src/test/java</testSourceDirectory>
  <resources>
    <resource>
      <directory>src</directory>
      <excludes>
        <exclude>**/*.java</exclude>
      </excludes>
    </resource>
    <resource>
      <directory>target/dependency</directory>
      <excludes>
        <exclude>**/*.java</exclude>
      </excludes>
    </resource>
    <resource>
      <directory>src/main/resources</directory>
      <includes>
        <include>**/*.properties</include>
      </includes>
    </resource>
  </resources>
  <plugins>
    <plugin>
      <groupId>org.apache.maven.plugins</groupId>
      <artifactId>maven-install-plugin</artifactId>
      <version>2.5.2</version>
      <configuration>
        <file>target/${project.artifactId}-${project.version}.jar</file>
        <groupId>${project.groupId}</groupId>
        <artifactId>${project.artifactId}</artifactId>
        <version>${project.version}</version>
        <packaging>maven-plugin</packaging>
      </configuration>
    </plugin>

    <plugin>
      <artifactId>maven-compiler-plugin</artifactId>
      <version>3.5.1</version>
      <configuration>
        <source>1.5</source>
        <target>1.5</target>
      </configuration>
  </plugins>
</build>
```

```

</plugin>
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-jar-plugin</artifactId>
<version>3.0.2</version>
<configuration>
<excludes>
<exclude>*</exclude>
<exclude>com/thoughtworks/**/*</exclude>
<exclude>freemarker/**/*</exclude>
<exclude>ftl/**/*</exclude>
<exclude>i18n/**/*</exclude>
<exclude>style/**/*</exclude>
<exclude>junit/**/*</exclude>
<exclude>licenses/**/*</exclude>
<exclude>META-INF/maven/**/*</exclude>
<exclude>org/codehaus/**/*</exclude>
<exclude>org/hamcrest/**/*</exclude>
<exclude>org/jbehave/**/*</exclude>
<exclude>org/junit/**/*</exclude>
<exclude>org/testng/**/*</exclude>
<exclude>org/xmlpull/**/*</exclude>
<exclude>stories/**/*</exclude>
<exclude>style/**/*</exclude>
<exclude>tests/**/*</exclude>
</excludes>
<archive>
<manifest>
<addClasspath>>false</addClasspath>
<addDefaultImplementationEntries>>true</addDefaultImplementationEntries>
<addDefaultSpecificationEntries>>true</addDefaultSpecificationEntries>
<addExtensions>>false</addExtensions>
<classpathLayoutType>simple</classpathLayoutType>
</manifest>
</archive>
</configuration>
</plugin>
<plugin>
<artifactId>maven-assembly-plugin</artifactId>
<version>2.6</version>
<configuration>
<descriptors>
<descriptor>./sources.xml</descriptor>
</descriptors>
</configuration>
</plugin>
<plugin>
<groupId>org.apache.maven.plugins</groupId>

```

```

<artifactId>maven-dependency-plugin</artifactId>
<version>2.10</version>
</plugin>
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-javadoc-plugin</artifactId>
<version>2.10.3</version>
<configuration>
<show>private</show>
<nohelp>>false</nohelp>
<failOnError>>false</failOnError>
<sourcepath>src/main/java</sourcepath>
</configuration>
</plugin>
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-release-plugin</artifactId>
<configuration>
<tagNameFormat>v@{project.version}</tagNameFormat>
<preparationGoals>package install:install-file</preparationGoals>
<scmCommentPrefix>#3</scmCommentPrefix>
</configuration>
</plugin>
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-deploy-plugin</artifactId>
<version>2.8.2</version>
<configuration>
<skip>>true</skip>
</configuration>
</plugin>

<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-source-plugin</artifactId>
<version>3.0.1</version>
<executions>
<execution>
<goals>
<goal>jar-no-fork</goal>
</goals>
</execution>
</executions>
</plugin>

<plugin>

```

```
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-javadoc-plugin</artifactId>
<executions>
  <execution>
    <id>attach-javadocs</id>
    <goals>
      <goal>jar</goal>
    </goals>
  </execution>
</executions>
</plugin>
```

```
<plugin>
<groupId>org.apache.maven.plugins</groupId>
<artifactId>maven-gpg-plugin</artifactId>
<executions>
  <execution>
    <id>sign-artifacts</id>
    <phase>deploy</phase>
    <goals>
      <goal>sign</goal>
    </goals>
  </execution>
</executions>
</plugin>
```

```
<plugin>
<groupId>org.sonatype.plugins</groupId>
<artifactId>nexus-staging-maven-plugin</artifactId>
<version>1.6.3</version>
<executions>
  <execution>
    <id>default-deploy</id>
    <phase>deploy</phase>
    <goals>
      <goal>deploy</goal>
    </goals>
  </execution>
</executions>
<extensions>>true</extensions>
<configuration>
  <serverId>ossrh</serverId>
  <nexusUrl>https://oss.sonatype.org/</nexusUrl>
</configuration>
</plugin>
```

```

<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-pmd-plugin</artifactId>
  <version>3.6</version>
  <configuration>
    <failOnViolation>>true</failOnViolation>
    <excludeRoots>
      <excludeRoot>target/generated-sources/plugin</excludeRoot>
    </excludeRoots>
    <excludes>
      <exclude>**/HelpMojo.java</exclude>
    </excludes>
  </configuration>
  <executions>
    <execution>
      <goals>
        <goal>check</goal>
        <goal>cpd-check</goal>
      </goals>
      <configuration>
        <failOnViolation>>true</failOnViolation>
        <excludes>
          <exclude>**/HelpMojo.java</exclude>
        </excludes>
      </configuration>
    </execution>
  </executions>
</plugin>
<plugin>
  <groupId>org.apache.maven.plugins</groupId>
  <artifactId>maven-checkstyle-plugin</artifactId>
  <version>2.10</version>
  <configuration>
    <excludes>**/test/java/**/*.*.java</excludes>
    <configLocation>./sun_checks.xml</configLocation>
    <suppressionsLocation>./checkstyle-suppressions.xml</suppressionsLocation>
    <failOnViolation>true</failOnViolation>
  </configuration>
  <executions>
    <execution>
      <goals>
        <goal>check</goal>
      </goals>
    </execution>
  </executions>
</plugin>
<plugin>
  <groupId>org.codehaus.mojo</groupId>

```



```

<artifactId>cobertura-maven-plugin</artifactId>
<version>2.6</version>
<configuration>
  <check>
    <haltOnFailure>>false</haltOnFailure>
    <totalBranchRate>80</totalBranchRate>
    <totalLineRate>80</totalLineRate>
    <packageLineRate>80</packageLineRate>
    <packageBranchRate>80</packageBranchRate>
  </check>
  <instrumentation>
    <excludes>
      <exclude>**/HelpMojo.class</exclude>
    </excludes>
  </instrumentation>
</configuration>
<executions>
  <execution>
    <id>verification</id>
    <phase>verify</phase>
    <goals>
      <goal>check</goal>
      <goal>cobertura</goal>
    </goals>
  </execution>
</executions>
</plugin>
<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>javancss-maven-plugin</artifactId>
  <version>2.0</version>
  <configuration>
    <encoding>${project.build.sourceEncoding}</encoding>
    <ccnLimit>10</ccnLimit>
    <ncssLimit>100</ncssLimit>
    <failOnViolation>>true</failOnViolation>
    <excludes>
      <exclude>**/tests/**/*.*</exclude>
    </excludes>
  </configuration>
  <executions>
    <execution>
      <goals>
        <goal>check</goal>
      </goals>
    </execution>
  </executions>
</plugin>

```

```

<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>findbugs-maven-plugin</artifactId>
  <version>3.0.3</version>
  <configuration>
    <encoding>${project.build.sourceEncoding}</encoding>
    <failOnError>true</failOnError>
    <excludeFilterFile>findBugsExclude.xml</excludeFilterFile>
  </configuration>
  <executions>
    <execution>
      <goals>
        <goal>check</goal>
      </goals>
    </execution>
  </executions>
</plugin>
<plugin>
  <groupId>org.codehaus.mojo</groupId>
  <artifactId>jdepend-maven-plugin</artifactId>
  <version>2.0</version>
</plugin>
</plugins>
</build>
<dependencies>
  <dependency>
    <groupId>dk.brics.automaton</groupId>
    <artifactId>automaton</artifactId>
    <version>1.11-8</version>
  </dependency>
  <dependency>
    <groupId>junit</groupId>
    <artifactId>junit</artifactId>
    <version>4.12</version>
    <scope>test</scope>
  </dependency>
  <dependency>
    <groupId>org.hamcrest</groupId>
    <artifactId>hamcrest-junit</artifactId>
    <version>2.0.0.0</version>
    <scope>test</scope>
  </dependency>
</dependencies>
</project>

```

Found in path(s):

* /opt/cola/permits/1162863542_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/pom.xml

No license file was found, but licenses were detected in source scan.

```
/*
 * Copyright 2014 y.mifrah
 *
 *
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 * WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
```

Found in path(s):

```
*/opt/cola/permits/1162863542_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/main/java/com/mifmif/common/regex/util/Iterable.java
*/opt/cola/permits/1162863542_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/main/java/com/mifmif/common/regex/GenerexIterator.java
*/opt/cola/permits/1162863542_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/main/java/com/mifmif/common/regex/util/Iterator.java
*/opt/cola/permits/1162863542_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/main/java/com/mifmif/common/regex/Node.java
*/opt/cola/permits/1162863542_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/main/java/com/mifmif/common/regex/Main.java
*/opt/cola/permits/1162863542_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/main/java/com/mifmif/common/regex/Generex.java
```

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* /opt/cola/permits/1162863542_1620923914.63/0/mifmif-generex-1-0-2-0-ge910243-tar-gz/mifmif-Generex-e910243/src/test/java/com/mifmif/common/regex/GenerexUnitTest.java

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1.261 flexmark-java-builder-utilities 0.62.2

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1.262 spring-boot-actuator 2.6.6

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1.263 scala-collection-compat 2.4.4

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```

Found in path(s):

```
* /opt/cola/permits/1340076124_1654622278.5991988/0/scala-collection-compat-2-11-2-4-4-sources-1-jar/scala/collection/compat/PackageShared.scala  
* /opt/cola/permits/1340076124_1654622278.5991988/0/scala-collection-compat-2-11-2-4-4-sources-1-jar/scala/collection/compat/CompatImpl.scala
```

* /opt/cola/permits/1340076124_1654622278.5991988/0/scala-collection-compat-2-11-2-4-4-sources-1-jar/scala/collection/compat/immutable/ArraySeq.scala
* /opt/cola/permits/1340076124_1654622278.5991988/0/scala-collection-compat-2-11-2-4-4-sources-1-jar/scala/annotation/unused.scala
* /opt/cola/permits/1340076124_1654622278.5991988/0/scala-collection-compat-2-11-2-4-4-sources-1-jar/scala/util/ChainingOps.scala
* /opt/cola/permits/1340076124_1654622278.5991988/0/scala-collection-compat-2-11-2-4-4-sources-1-jar/scala/collection/compat/immutable/LazyList.scala
* /opt/cola/permits/1340076124_1654622278.5991988/0/scala-collection-compat-2-11-2-4-4-sources-1-jar/scala/collection/compat/BuildFrom.scala
* /opt/cola/permits/1340076124_1654622278.5991988/0/scala-collection-compat-2-11-2-4-4-sources-1-jar/scala/collection/compat/package.scala
* /opt/cola/permits/1340076124_1654622278.5991988/0/scala-collection-compat-2-11-2-4-4-sources-1-jar/scala/annotation/nowarn.scala
* /opt/cola/permits/1340076124_1654622278.5991988/0/scala-collection-compat-2-11-2-4-4-sources-1-jar/scala/util/control/compat/ControlThrowable.scala
* /opt/cola/permits/1340076124_1654622278.5991988/0/scala-collection-compat-2-11-2-4-4-sources-1-jar/scala/util/Using.scala

1.264 stringtemplate4 4.3

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1.265 picocli 4.6.1

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*/

/**

* Called when either the command, option or positional parameter that has this preprocessor configured was

* recognized by the picocli parser.

* `<p>`Implementors are free to modify one or more of the specified command line arguments before they are processed by the picocli parser (or by the option's { @link IParameterConsumer parameter consumer }, if one is specified).

* `</p><p>`

* Implementors may optionally `consume` one or more of the specified command line arguments:

* a return value of { @code true } signals that the preprocessor consumed the parameter:

* picocli should skip further processing of this option or positional parameter,

* and the preprocessor implementation takes responsibility for assigning the option or positional parameter a value. A return value of { @code false } means that picocli should process the stack as usual for this option or positional parameter, and picocli is responsible for assigning this option or positional parameter a value.

* `</p><p>`

* For a command, returning { @code true } signals that the preprocessor takes responsibility for parsing all options and positional parameters for this command, and takes responsibility for validating constraints like whether all required options and positional parameters were specified.

* A return value of { @code false } means that picocli should process the stack as usual for this command, and picocli is responsible for validation.

* Command preprocessors can signal back to the picocli parser when they detect that the user requested version information or usage help by putting a value of { @code true } in the specified { @code info } map for keys { @code versionHelpRequested } or { @code usageHelpRequested }, respectively.

* `</p><p>`

* If the user input is invalid, implementations should throw a { @link ParameterException } with a message to display to the user.

* `</p>`

* @param args the remaining command line arguments that follow the matched argument (the matched argument is not on the stack anymore)

* @param commandSpec the command or subcommand that was matched (if the specified { @code argSpec } is { @code null }), or the command that the matched option or positional parameter belongs to

* @param argSpec the option or positional parameter for which to pre-process command line arguments (may be { @code null } when this method is called for a subcommand that was matched)

* @param info a map containing additional information on the current parser state, including whether the option parameter was attached to the option name with a `=` separator, whether quotes have already been stripped off the option, etc. Implementations may modify this map to communicate back to the picocli parser.

* Supported values:

* `<table>`

* `<tr>`

* `<th>key</th><th>valid values</th><th>type</th>`

* `</tr>`

* `<tr>`

* `<td>separator</td><td>" (empty string): attached without separator, ' ' (space): not attached, (any other string): option name was attached to option param with specified separator</td>`

* `<td>java.lang.String</td>`

* `</tr>`

* `<tr>`

* `<td>negated</td>`

* `<td>{ @code true } : the option or positional parameter is a { @link plain Option#negatable() }`

```

negated } option/parameter, { @code false }: the option or positional parameter is not a negated
option/parameter</td>
*      <td>java.lang.Boolean</td>
*      </tr>
*      <tr>
*      <td>unquoted</td>
*      <td>{ @code true }: quotes surrounding the value have already been stripped off, { @code false }:
quotes surrounding the value have not yet been stripped off</td>
*      <td>java.lang.Boolean</td>
*      </tr>
*      <tr>
*      <td>versionHelpRequested</td>
*      <td>{ @code true }: version help was requested, { @code false }: version help was not
requested</td>
*      <td>java.lang.Boolean</td>
*      </tr>
*      <tr>
*      <td>usageHelpRequested</td>
*      <td>{ @code true }: usage help was requested, { @code false }: usage help was not requested</td>
*      <td>java.lang.Boolean</td>
*      </tr>
*      </table>
* @returns true if the preprocessor consumed the parameter
*      and picocli should skip further processing of the stack for this option or positional parameter;
*      false if picocli should continue processing the stack for this option or positional parameter
* @throws ParameterException if the user input is invalid
*/

```

Found in path(s):

```
* /opt/cola/permits/1178487930_1625660844.82/0/picocli-4-6-1-sources-1-jar/picocli/CommandLine.java
```

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```

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1.266 spring-framework-velocity-support 2.3

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1.267 jackson-bom 2.13.2

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- * /opt/cola/permits/1340816180_1654719805.9445395/0/awaitility-4-2-0-sources-jar/org/awaitility/core/ConditionFactory.java
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- * /opt/cola/permits/1340816180_1654719805.9445395/0/awaitility-4-2-0-sources-jar/org/awaitility/core/AbstractHamcrestCondition.java
- * /opt/cola/permits/1340816180_1654719805.9445395/0/awaitility-4-2-0-sources-jar/org/awaitility/core/ConditionAwaiter.java
- * /opt/cola/permits/1340816180_1654719805.9445395/0/awaitility-4-2-0-sources-jar/org/awaitility/reflect/exception/TooManyFieldsFoundException.java
- * /opt/cola/permits/1340816180_1654719805.9445395/0/awaitility-4-2-0-sources-jar/org/awaitility/reflect/FieldTypeMatcherStrategy.java
- * /opt/cola/permits/1340816180_1654719805.9445395/0/awaitility-4-2-0-sources-jar/org/awaitility/core/CallableHamcrestCondition.java

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* /opt/cola/permits/1340816180_1654719805.9445395/awaitility-4-2-0-sources-
jar/org/awaitility/core/ThrowingRunnable.java

* /opt/cola/permits/1340816180_1654719805.9445395/awaitility-4-2-0-sources-
jar/org/awaitility/core/PredicateExceptionIgnorer.java

* /opt/cola/permits/1340816180_1654719805.9445395/awaitility-4-2-0-sources-

jar/org/awaitility/pollinterval/FibonacciPollInterval.java
* /opt/cola/permits/1340816180_1654719805.9445395/0/awaitility-4-2-0-sources-
jar/org/awaitility/pollinterval/FixedPollInterval.java
* /opt/cola/permits/1340816180_1654719805.9445395/0/awaitility-4-2-0-sources-
jar/org/awaitility/core/ConditionEvaluator.java
* /opt/cola/permits/1340816180_1654719805.9445395/0/awaitility-4-2-0-sources-
jar/org/awaitility/core/HamcrestExceptionIgnorer.java
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jar/org/awaitility/core/ConditionEvaluationHandler.java
* /opt/cola/permits/1340816180_1654719805.9445395/0/awaitility-4-2-0-sources-
jar/org/awaitility/core/LambdaErrorMessageGenerator.java
* /opt/cola/permits/1340816180_1654719805.9445395/0/awaitility-4-2-0-sources-
jar/org/awaitility/core/AssertionCondition.java
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* /opt/cola/permits/1340816180_1654719805.9445395/0/awaitility-4-2-0-sources-jar/org/awaitility/core/CheckedExceptionRethrower.java

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* /opt/cola/permits/1340816180_1654719805.9445395/0/awaitility-4-2-0-sources-jar/org/awaitility/core/SameThreadExecutorService.java

1.269 fabric8-::-kubernetes-model-::-storage-class 5.12.1

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* /opt/cola/permits/1340816172_1654860375.1628633/0/kubernetes-model-storageclass-5-12-1-sources-jar/META-INF/maven/io.fabric8/kubernetes-model-storageclass/pom.xml

1.270 brave-instrumentation-jms 5.13.2

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1.271 brave-context:-slf4j 5.13.2

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1.272 hamcrest v2.2

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* /opt/ws_local/PERMITS_SQL/1014842714_1591897072.99/0/annotations-4-1-1-4-sources-
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1.274 opentelemetry-java---

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1.9.1-alpha

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1.275 elasticsearch-kubernetes-cloud-plugin

5.12.1

1.275.1 Available under license :

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```
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 */
/**
 * <p>Encodes and decodes to and from Base64 notation.</p>
 * <p>Homepage: <a href="http://iharder.net/base64">http://iharder.net/base64</a>.</p>
 *
 * <p>Example:</p>
 *
 * <code>String encoded = Base64.encode( myByteArray );</code>
 * <br>
 * <code>byte[] myByteArray = Base64.decode( encoded );</code>
 *
 * <p>The <tt>options</tt> parameter, which appears in a few places, is used to pass
 * several pieces of information to the encoder. In the "higher level" methods such as
 * encodeBytes( bytes, options ) the options parameter can be used to indicate such
 * things as first gzipping the bytes before encoding them, not inserting linefeeds,
 * and encoding using the URL-safe and Ordered dialects.</p>
 *
 * <p>Note, according to <a href="http://www.faqs.org/rfcs/rfc3548.html">RFC3548</a>,
 * Section 2.1, implementations should not add line feeds unless explicitly told
 * to do so. I've got Base64 set to this behavior now, although earlier versions
```


* broke lines by default.</p>
 *
 * <p>The constants defined in Base64 can be OR-ed together to combine options, so you
 * might make a call like this:</p>
 *
 * <code>String encoded = Base64.encodeBytes(mybytes, Base64.GZIP | Base64.DO_BREAK_LINES);</code>
 * <p>to compress the data before encoding it and then making the output have newline characters.</p>
 * <p>Also...</p>
 * <code>String encoded = Base64.encodeBytes(crazyString.getBytes());</code>
 *
 *
 *
 *
 * <p>
 * Change Log:
 * </p>
 *
 * v2.3.7 - Fixed subtle bug when base 64 input stream contained the
 * value 01111111, which is an invalid base 64 character but should not
 * throw an ArrayIndexOutOfBoundsException either. Led to discovery of
 * mishandling (or potential for better handling) of other bad input
 * characters. You should now get an IOException if you try decoding
 * something that has bad characters in it.
 * v2.3.6 - Fixed bug when breaking lines and the final byte of the encoded
 * string ended in the last column; the buffer was not properly shrunk and
 * contained an extra (null) byte that made it into the string.
 * v2.3.5 - Fixed bug in #encodeFromFile where estimated buffer size
 * was wrong for files of size 31, 34, and 37 bytes.
 * v2.3.4 - Fixed bug when working with gzipped streams whereby flushing
 * the Base64.OutputStream closed the Base64 encoding (by padding with equals
 * signs) too soon. Also added an option to suppress the automatic decoding
 * of gzipped streams. Also added experimental support for specifying a
 * class loader when using the
 * #decodeToObject(java.lang.String, int, java.lang.ClassLoader)
 * method.
 * v2.3.3 - Changed default char encoding to US-ASCII which reduces the internal Java
 * footprint with its CharEncoders and so forth. Fixed some javadocs that were
 * inconsistent. Removed imports and specified things like java.io.IOException
 * explicitly inline.
 * v2.3.2 - Reduced memory footprint! Finally refined the "guessing" of how big the
 * final encoded data will be so that the code doesn't have to create two output
 * arrays: an oversized initial one and then a final, exact-sized one. Big win
 * when using the { @link #encodeBytesToBytes(byte[])} family of methods (and not
 * using the gzip options which uses a different mechanism with streams and stuff).
 * v2.3.1 - Added { @link #encodeBytesToBytes(byte[], int, int, int)} and some
 * similar helper methods to be more efficient with memory by not returning a
 * String but just a byte array.
 * v2.3 - This is not a drop-in replacement! This is two years of comments
 * and bug fixes queued up and finally executed. Thanks to everyone who sent

* me stuff, and I'm sorry I wasn't able to distribute your fixes to everyone else.

* Much bad coding was cleaned up including throwing exceptions where necessary

* instead of returning null values or something similar. Here are some changes

* that may affect you:

- *
- * Does not break lines, by default. This is to keep in compliance with
- * RFC3548.
- * Throws exceptions instead of returning null values. Because some operations
- * (especially those that may permit the GZIP option) use IO streams, there
- * is a possibility of an java.io.IOException being thrown. After some discussion and
- * thought, I've changed the behavior of the methods to throw java.io.IOExceptions
- * rather than return null if ever there's an error. I think this is more
- * appropriate, though it will require some changes to your code. Sorry,
- * it should have been done this way to begin with.
- * Removed all references to System.out, System.err, and the like.
- * Shame on me. All I can say is sorry they were ever there.
- * Throws NullPointerExceptions and IllegalArgumentExceptions as needed
- * such as when passed arrays are null or offsets are invalid.
- * Cleaned up as much javadoc as I could to avoid any javadoc warnings.
- * This was especially annoying before for people who were thorough in their
- * own projects and then had gobs of javadoc warnings on this file.
- *
- * v2.2.1 - Fixed bug using URL_SAFE and ORDERED encodings. Fixed bug
- * when using very small files (~< 40 bytes).
- * v2.2 - Added some helper methods for encoding/decoding directly from
- * one file to the next. Also added a main() method to support command line
- * encoding/decoding from one file to the next. Also added these Base64 dialects:
- *
- * The default is RFC3548 format.
- * Calling Base64.setFormat(Base64.BASE64_FORMAT.URLSAFE_FORMAT) generates
- * URL and file name friendly format as described in Section 4 of RFC3548.
- * http://www.faqs.org/rfcs/rfc3548.html
- * Calling Base64.setFormat(Base64.BASE64_FORMAT.ORDERED_FORMAT) generates
- * URL and file name friendly format that preserves lexical ordering as described
- * in http://www.faqs.org/qa/rfcc-1940.html
- *
- * Special thanks to Jim Kellerman at http://www.powerset.com/
- * for contributing the new Base64 dialects.
- *
- * v2.1 - Cleaned up javadoc comments and unused variables and methods. Added
- * some convenience methods for reading and writing to and from files.
- * v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems
- * with other encodings (like EBCDIC).
- * v2.0.1 - Fixed an error when decoding a single byte, that is, when the
- * encoded data was a single byte.
- * v2.0 - I got rid of methods that used booleans to set options.
- * Now everything is more consolidated and cleaner. The code now detects

- * when data that's being decoded is gzip-compressed and will decompress it
- * automatically. Generally things are cleaner. You'll probably have to
- * change some method calls that you were making to support the new
- * options format (<tt>int</tt>s that you "OR" together).
- * v1.5.1 - Fixed bug when decompressing and decoding to a
- * byte[] using <tt>decode(String s, boolean gzipCompressed)</tt>.
- * Added the ability to "suspend" encoding in the Output Stream so
- * you can turn on and off the encoding if you need to embed base64
- * data in an otherwise "normal" stream (like an XML file).
- * v1.5 - Output stream pases on flush() command but doesn't do anything itself.
- * This helps when using GZIP streams.
- * Added the ability to GZip-compress objects before encoding them.
- * v1.4 - Added helper methods to read/write files.
- * v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.
- * v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream
- * where last buffer being read, if not completely full, was not returned.
- * v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.
- * v1.3.3 - Fixed I/O streams which were totally messed up.

*

*

* <p>

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- * plenty of well-wishing instead!
- * Please visit http://iharder.net/base64
- * periodically to check for updates or to contribute improvements.

* </p>

*

- * @author Robert Harder
- * @author rob@iharder.net
- * @version 2.3.7

*/

Found in path(s):

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/utils/Base64.java

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- * /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/V1SchedulingAPIGroupDSL.java
- * /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/ExtensionAdapter.java
- * /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/Ttable.java
- * /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/Recreateable.java
- * /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/V1beta1PolicyAPIGroupExtensionAdapter.java
- * /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/internal/WatcherWebSocketListener.java
- * /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/Utils/ReplaceValueStream.java
- * /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/internal/apps/v1/ReplicaSetOperationsImpl.java
- * /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/DiscoveryAPIGroupClient.java
- * /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/ResourceNotFoundException.java
- * /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/V1beta1ApiextensionAPIGroupDSL.java
- * /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/extended/run/RunConfig.java
- * /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/Utils/PodOperationUtil.java
- * /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/CreateListFromLoadable.java
- * /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/Operation.java
- * /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/internal/SSLUtils.java
- * /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/Tailable.java
- * /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/internal/apps/v1/DeploymentRollingUpdater.java
- * /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/ContainerResource.java
- * /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/ScalableResource.java
- * /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/internal/PodControllerOperationContext.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/BatchAPIGroupDSL.java

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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/internal/core/v1/BindingOperationsImpl.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/internal/AbstractWatchManager.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/V1beta1AdmissionRegistrationAPIGroupClient.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/MixedOperation.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/V1DiscoveryAPIGroupExtensionAdapter.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/V1CertificatesAPIGroupExtensionAdapter.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/BytesLimitTerminateTimeTailPrettyLoggable.java

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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/V1PolicyAPIGroupClient.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/AuthorizationAPIGroupClient.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/ExtensionsAPIGroupExtensionAdapter.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/Watcher.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/informers/ResourceEventHandler.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/CertificatesAPIGroupClient.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/ConfigAware.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/internal/batch/v1/JobOperationsImpl.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/V1AutoscalingAPIGroupExtensionAdapter.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/http/Interceptor.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/RecreateCreateable.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/informers/cache/Listener.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/Listable.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/AutoAdaptableKubernetesClient.java

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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/utills/WatcherToggle.java

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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/V1beta1NetworkAPIGroupClient.java

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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/informers/SharedIndexInformer.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/internal/serializationmixins/ReplicationControllerMixIn.java

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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/WithRequestCallable.java

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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/V1beta1NetworkAPIGroupDSL.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/V1beta1AuthorizationAPIGroupClient.java

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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/URLFromEnvVarsImpl.java

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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/V1BatchAPIGroupExtensionAdapter.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/CopyOrReadable.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/MetricAPIGroupDSL.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/FilterWatchListDeletable.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/Triggerable.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/AuthorizationAPIGroupExtensionAdapter.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/LocalPortForward.java

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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/ResourceHandlerImpl.java

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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/Informable.java

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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/internal/extensions/v1beta1/ReplicaSetOperationsImpl.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/base/PatchContext.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/V1EventingAPIGroupExtensionAdapter.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/PrettyLoggable.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/RequestConfigHolder.java

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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/internal/serializationmixins/ObjectMetaMixIn.java

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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/Patchable.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/V1EventingAPIGroupDSL.java

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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/TimeTailPrettyLoggable.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/V1beta1BatchAPIGroupClient.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/dsl/Inputable.java

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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/ExtensionsAPIGroupClient.java

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/io/fabric8/kubernetes/client/AdmissionRegistrationAPIGroupExtensionAdapter.java

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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-
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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-
jar/io/fabric8/kubernetes/client/dsl/PolicyAPIGroupDSL.java
* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-
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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-
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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-
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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-
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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-
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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-
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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-
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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-
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```

```
io.fabric8.kubernetes.client.URLFromEnvVarsImpl
io.fabric8.kubernetes.client.URLFromIngressImpl
io.fabric8.kubernetes.client.URLFromNodePortImpl
io.fabric8.kubernetes.client.URLFromClusterIPImpl
```

Found in path(s):

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* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/META-
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```

```
io.fabric8.kubernetes.client.AppsAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.AdmissionRegistrationAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.V1AdmissionRegistrationAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.V1beta1AdmissionRegistrationAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.AutoscalingAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.ApiextensionsAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.AuthorizationAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.V1AutoscalingAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.V2beta1AutoscalingAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.V2beta2AutoscalingAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.BatchAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.V1BatchAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.V1beta1BatchAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.ExtensionsAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.EventingAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.V1EventingAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.V1beta1EventingAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.FlowControlAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.V1beta1FlowControlAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.MetricAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.NetworkAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.PolicyAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.V1PolicyAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.V1beta1PolicyAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.RbacAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.SchedulingAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.V1SchedulingAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.V1beta1SchedulingAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.StorageAPIGroupExtensionAdapter  
io.fabric8.kubernetes.client.V1APIGroupExtensionAdapter
```


io.fabric8.kubernetes.client.V1ApiextensionsAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1beta1ApiextensionsAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1AuthorizationAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1beta1AuthorizationAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1NetworkAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1beta1NetworkAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.DiscoveryAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1beta1DiscoveryAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1DiscoveryAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.CertificatesAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1CertificatesAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1beta1CertificatesAPIGroupExtensionAdapter

Found in path(s):

* /opt/cola/permits/1340815648_1654861194.3826184/0/kubernetes-client-5-12-1-sources-jar/META-INF/services/io.fabric8.kubernetes.client.ExtensionAdapter

1.276 java-vault-driver 5.1.0

1.276.1 Available under license :

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Found in path(s):

* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/main/java/com/bettercloud/vault/json/WritingBuffer.java

* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/test/java/com/bettercloud/vault/json/WritingBuffer_Test.java
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/main/java/com/bettercloud/vault/json/PrettyPrint.java
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/test/java/com/bettercloud/vault/json/PrettyPrint_Test.java
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/main/java/com/bettercloud/vault/json/Json.java
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/test/java/com/bettercloud/vault/json/Json_Test.java
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/main/java/com/bettercloud/vault/json/WriterConfig.java
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Found in path(s):

* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/test/java/com/bettercloud/vault/json/ParseException_Test.java
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/test/java/com/bettercloud/vault/json/test/mocking/Mocking_Test.java
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/main/java/com/bettercloud/vault/json/JsonObject.java
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/test/java/com/bettercloud/vault/json/TestUtil.java
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/test/java/com/bettercloud/vault/json/JsonWriter_Test.java
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-

master/src/test/java/com/bettercloud/vault/json/JsonString_Test.java
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/main/java/com/bettercloud/vault/json/JsonValue.java
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/main/java/com/bettercloud/vault/json/JsonParser.java
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/main/java/com/bettercloud/vault/json/JsonWriter.java
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/main/java/com/bettercloud/vault/json/ParseException.java
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/test/java/com/bettercloud/vault/json/JsonObject_Test.java
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/main/java/com/bettercloud/vault/json/JsonLiteral.java
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/main/java/com/bettercloud/vault/json/JsonNumber.java
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/main/java/com/bettercloud/vault/json/JsonArray.java
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/test/java/com/bettercloud/vault/json/JsonNumber_Test.java
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/test/java/com/bettercloud/vault/json/JsonParser_Test.java
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/test/java/com/bettercloud/vault/json/JsonLiteral_Test.java
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/test/java/com/bettercloud/vault/json/JsonValue_Test.java
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/test/java/com/bettercloud/vault/json/JsonArray_Test.java
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/main/java/com/bettercloud/vault/json/JsonString.java
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Vault Java Driver

=====

A zero-dependency Java client for the [Vault](<https://www.vaultproject.io/>) secrets management solution from HashiCorp.

This driver strives to implement Vault's full HTTP API, along with supporting functionality such as automatic retry handling. It does so without relying on any other external libraries beyond the Java standard library, and is compatible with Java 8 and up. So it will play nice with all of your projects, greenfield and legacy alike, without causing conflicts with any other dependency.

NOTE: Although the binary artifact produced by the project is backwards-compatible with Java 8, you do need JDK 9 or higher to modify or build the source code of this library itself.

This Change

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- * [OpenSSL (PEM) based config](#openssl-pem-based-config)
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Installing the Driver

The driver is available from Maven Central, for all modern Java build systems.

Gradle:

```

dependencies {
    implementation 'com.bettercloud:vault-java-driver:5.1.0'
}

```

Maven:

```

<dependency>
  <groupId>com.bettercloud</groupId>
  <artifactId>vault-java-driver</artifactId>
  <version>5.1.0</version>
</dependency>

```

Initializing a Driver Instance

The `com.bettercloud.vault.VaultConfig` class is used to initialize a driver instance with desired settings. In the most basic use cases, where you are only supplying a Vault server address and perhaps a root token, there are convenience constructor methods available:

```

final VaultConfig config = new VaultConfig()
    .address("http://127.0.0.1:8200")
    .token("3c9fd6be-7bc2-9d1f-6fb3-cd746c0fc4e8")
    .build();

// You may choose not to provide a root token initially, if you plan to use
// the Vault driver to retrieve one programmatically from an auth backend.

```

```
final VaultConfig config = new VaultConfig().address("http://127.0.0.1:8200").build();
...

```

To explicitly set additional config parameters (*), you can use a builder pattern style to construct the `VaultConfig` instance. Either way, the initialization process will try to populate any unset values by looking to environment variables.

```
...
final VaultConfig config =
    new VaultConfig()
        .address("http://127.0.0.1:8200") // Defaults to "VAULT_ADDR" environment variable
        .token("3c9fd6be-7bc2-9d1f-6fb3-cd746c0fc4e8") // Defaults to "VAULT_TOKEN" environment variable
        .openTimeout(5) // Defaults to "VAULT_OPEN_TIMEOUT" environment variable
        .readTimeout(30) // Defaults to "VAULT_READ_TIMEOUT" environment variable
        .sslConfig(new SslConfig().build()) // See "SSL Config" section below
        .build();
...

```

Once you have initialized a `VaultConfig` object, you can use it to construct an instance of the `Vault` primary driver class:

```
...
final Vault vault = new Vault(config);
...

```

Key Value Secret Engine Config

Shortly before its `1.0` release, Vault added a Version 2 of its [Key/Value Secrets Engine](<https://www.vaultproject.io/docs/secrets/kv/index.html>). This supports some additional features beyond the Version 1 that was the default in earlier Vault builds (e.g. secret rotation, soft deletes, etc).

Unfortunately, K/V V2 introduces some breaking changes, in terms of both request/response payloads as well as how URL's are constructed for Vault's REST API. Therefore, version `4.0.0` of this Vault Driver likewise had to introduce some breaking changes, to allow support for both K/V versions.

* **If you are using the new K/V V2 across the board**, then no action is needed. The Vault Driver now assumes this by default.

* **If you are still using the old K/V V1 across the board**, then you can use the `Vault` class constructor: `public Vault(final VaultConfig vaultConfig, final Integer engineVersion)`, supplying a `1` as the engine version parameter. constructor, then you can declare whether to use Version 1 or 2 across the board.

* **If you are using a mix, of some secret paths mounted with V1 and others mounted with V2**, then you have two options:

* You can explicitly specify your Vault secret paths, and which K/V version each one is using. Construct your ``Vault`` objects with the constructor ``public Vault(final VaultConfig vaultConfig, final Boolean useSecretsEnginePathMap, final Integer globalFallbackVersion)``.

Within the ``VaultConfig`` object, supply a map of Vault secret paths to their associated K/V version (``1`` or ``2``).

* You can rely on the Vault Driver to auto-detect your mounts and K/V versions upon instantiation. Use the same constructor as above,

but leave the map ``null``. Note that this option requires your authentication credentials to have access to read Vault's ``/v1/sys/mounts`` path.

Version 2 of the K/V engine dynamically injects a qualifier element into your secret paths, which varies depending on the type of for read and write operations, in between the root version operation. For example, for read and write operations, the secret path:

```
```v1/mysecret```
```

... has a "data" qualifier injected:

```
```v1/data/mysecret```
```

The default behavior of this driver is to insert the appropriate qualifier one level deep (i.e. in between the root version number and the rest of the path). However, if your secret path is prefixed, such that the qualifier should be injected further down:

```
```v1/my/long/prefix/data/anything/else```
```

... then you should accordingly set the ``VaultConfig.prefixPathDepth`` property when constructing your ``Vault`` instance.

## SSL Config

-----

If your Vault server uses a SSL certificate, then you must supply that certificate to establish connections. Also, if you are using certificate-based client authentication, then you must supply a client certificate and private key that have been previously registered with your Vault server.

SSL configuration has been broken off from the ``VaultConfig`` class, and placed in its own ``SslConfig`` class. This class likewise using a builder pattern.

### #### General Options

```
```
```

```
.verify(false) // Defaults to "VAULT_SSL_VERIFY" environment variable (or else "true")
```

```
```
```

To disable SSL certificate verification altogether, set ``sslVerify(false)``. **YOU SHOULD NOT DO THIS IS A REAL PRODUCTION SETTING!** However, it can be useful in a development or testing server context. If this value is explicitly set to ``false``, then all other SSL config is basically unused.

#### #### Java Keystore (JKS) based config

You can provide the driver with a JKS truststore, containing Vault's server-side certificate for basic SSL, using one of the following three options:

- ``trustStore(object)`` - Supply an in-memory ``java.security.KeyStore`` file, containing Vault server cert(s) that can be trusted.
- ``trustStoreFile(path)`` - Same as the above, but the path references a JKS file on the filesystem.
- ``trustStoreResource(path)`` - Same as the above, but the path references a classpath resource rather than a filesystem path (e.g. if you've bundled the JKS file into your application's JAR, WAR, or EAR file).

If you are only using basic SSL, then no keystore need be provided. However, if you would like to use Vault's TLS Certificate auth backend for client side auth, then you need to provide a JKS keystore containing your client-side certificate and private key:

- ``keyStore(object, password)`` - Supply an in-memory ``java.security.KeyStore`` file containing a client certificate and private key, and the password needed to access it (can be null). can be trusted.
- ``keyStoreFile(path, password)`` - Same as the above, but the path references a JKS file on the filesystem.
- ``keyStoreResource(path, password)`` - Same as the above, but the path references a classpath resource rather than a filesystem path (e.g. if you've bundled the JKS file into your application's JAR, WAR, or EAR file).

NOTE: JKS-based config trumps PEM-based config (see below). If for some reason you build an ``SslConfig`` object with both JKS and PEM data present, then only the JKS data will be used. You cannot "mix-and-match", providing a JKS-based truststore and PEM-based client auth data.

#### #### OpenSSL (PEM) based config

To supply Vault's server-side certificate for basic SSL, you can use one of the following three options:

- ``pemFile(path)`` - Supply the path to an X.509 certificate in unencrypted PEM format, using UTF-8 encoding (defaults to "VAULT\_SSL\_CERT" environment variable).
- ``pemResource(path)`` - Same as above, but the path references a classpath resource rather than a filesystem path

(e.g. if

you've bundled the PEM file into your applications's JAR, WAR, or EAR file).

``.pemUTF8(contents)`` - The string contents extracted from the PEM file. For Java to parse the certificate properly, there must be a line-break in between the certificate header and body (see the ``.SslConfig`` Javadocs for more detail).

If SSL verification is enabled, no JKS-based config is provided, AND none of these three methods are called, then ``.SslConfig`` will by default check for a ``.VAULT_SSL_CERT`` environment variable. If that's setw then it will be treated as a filesystem path.

To use Vault's TLS Certificate auth backend for SSL client auth, you must provide your client certificate and private key, using some pair from the following options:

``.clientPemUTF8(path)`` - Supply the path to an X.509 certificate in unencrypted PEM format, using UTF-8 encoding.

``.clientPemResource(path)`` - Same as above, but the path references a classpath resource rather than a filesystem path (e.g. if you've bundled the PEM file into your applications's JAR, WAR, or EAR file).

``.clientPemUTF8(contents)`` - The string contents extracted from the PEM file. For Java to parse the certificate properly, there must be a line-break in between the certificate header and body (see the ``.SslConfig`` Javadocs for more detail).

``.clientKeyPemUTF8(path)`` - Supply the path to an RSA private key in unencrypted PEM format, using UTF-8 encoding.

``.clientKeyPemResource(path)`` - Same as above, but the path references a classpath resource rather than a filesystem path (e.g. if you've bundled the PEM file into your applications's JAR, WAR, or EAR file).

``.clientKeyPemUTF8(contents)`` - The string contents extracted from the PEM file. For Java to parse the certificate properly, there must be a line-break in between the certificate header and body (see the ``.SslConfig`` Javadocs for more detail).

Using the Driver

-----

Like the ``.VaultConfig`` class, ``.Vault`` too supports a builder pattern DSL style:

...

```
final Map<String, String> secrets = new HashMap<String, String>();
secrets.put("value", "world");
```



```
secrets.put("other_value", "You can store multiple name/value pairs under a single key");
```

```
// Write operation
final LogicalResponse writeResponse = vault.logical()
 .write("secret/hello", secrets);
```

```
...
```

```
// Read operation
final String value = vault.logical()
 .read("secret/hello")
 .getData().get("value");
```

```
...
```

`Vault` has a number of methods for accessing the classes that implement the various endpoints of Vault's HTTP API:

- \* `logical()`: Contains core operations such as reading and writing secrets.
- \* `auth()`: Exposes methods for working with Vault's various auth backends (e.g. to programmatically retrieve a token by authenticating with a username and password).
- \* `pki()`: Operations on the PKI backend (e.g. create and delete roles, issue certificate credentials).
- \* `debug()`: Health check endpoints.

The driver DSL also allows you to specify retry logic, by chaining the `withRetries()` ahead of accessing the endpoint implementation:

```
...
```

```
// Retry up to 5 times if failures occur, waiting 1000 milliseconds in between each retry attempt.
final LogicalResponse response = vault.withRetries(5, 1000)
 .logical()
 .read("secret/hello");
```

```
...
```

#### API Reference (Javadocs)

-----

Full [Javadoc documentation](<http://bettercloud.github.io/vault-java-driver/javadoc/>).

#### Version History

-----

Note that changes to the major version (i.e. the first number) represent possible breaking changes, and may require modifications in your code to migrate. Changes to the minor version (i.e. the second number) should represent non-breaking changes. The third number represents any very minor bugfix patches.

\* \*\*5.1.0\*\*\*: This release contains the following updates:

- \* Supports path prefixes when using K/V engine V2. [(PR #189)](<https://github.com/BetterCloud/vault-java->

driver/pull/189)

- \* Fixes issues with bulk requests in the transit API. [(PR #195)](<https://github.com/BetterCloud/vault-java-driver/pull/195>)

- \* Adds response body to exception for Auth failures. [(PR #198)](<https://github.com/BetterCloud/vault-java-driver/pull/198>)

- \* Support all options for the createToken operation. [(PR #199)](<https://github.com/BetterCloud/vault-java-driver/pull/199>)

\* \*\*5.0.0\*\*\*: This release contains the following updates:

- \* Changes the retry behavior, to no longer attempt retries on 4xx response codes (for which retries generally won't succeed anyway). This

is the only (mildly) breaking change in this release, necessitating a major version bump. [(PR #176)](<https://github.com/BetterCloud/vault-java-driver/pull/176>)

- \* Implements support for the Database secret engine. [(PR #175)](<https://github.com/BetterCloud/vault-java-driver/pull/175>)

- \* Makes the "x-vault-token" header optional, to allow use of Vault Agent. [(PR #184)](<https://github.com/BetterCloud/vault-java-driver/pull/184>)

- \* Removes stray uses of `System.out.println` in favor of `java.util.logging`. [(PR #178)](<https://github.com/BetterCloud/vault-java-driver/pull/178>)

- \* Adds the enum constant `MountType.KEY_VALUE_V2`. [(PR #182)](<https://github.com/BetterCloud/vault-java-driver/pull/182>)

\* \*\*4.1.0\*\*\*: This release contains the following updates:

- \* Support for JWT authentication, for use by Kubernetes and other JWT-based authentication providers. [(PR #164)](<https://github.com/BetterCloud/vault-java-driver/pull/164>)

- \* Updates the lease revoke method, to support changes in the underlying Vault API. [(PR #163)](<https://github.com/BetterCloud/vault-java-driver/pull/163>)

- \* Changes the `VaultConfig.secretsEnginePathMap(...)` method from default access level to `public`, to allow for manual

setting [(PR #164)](<https://github.com/BetterCloud/vault-java-driver/pull/156>)

- \* Adds the nonce value to `AuthResponse`, to facilitate re-authentication with Vault via AWS. [(PR #168)](<https://github.com/BetterCloud/vault-java-driver/pull/168>)

- \* Establishes a `module-info` file, updates the JDK requirement for building this library to Java 9 (although the built

library artifact remains compatible as a dependency in Java 8 projects). [(PR #165)](<https://github.com/BetterCloud/vault-java-driver/pull/165>)

- \* Updates Gradle, and various test dependencies to their latest versions. Integration tests now target Vault 1.1.3.

\* \*\*4.0.0\*\*\*: This is a breaking-change release, with two primary updates:

- \* Adds support for Version 2 of the Key/Value Secrets Engine. The driver now assumes that your Vault instance uses Version 2 of the

Key/Value Secrets Engine across the board. To configure this, see the [Key/Value Secret Engine Config](#key-value-secret-engine-config)

section above.

- \* Adds support for the namespaces feature of Vault Enterprise.

\* \*\*3.1.0\*\*\*: Several updates.

- \* Adds support for seal-related operations (i.e. `/sys/seal`, `/sys/unseal`, `/sys/seal-status`).

- \* Adds support for the AWS auth backend.
  - \* Adds support for the Google Cloud Platform auth backend.
  - \* Adds support for the LDAP auth Backend.
  - \* Allows auth backend methods to be configured for non-default mount points.
  - \* Adds "revoke-self" capability for auth tokens.
  - \* Adds support for response-wrapping token validation
  - \* Support for signing a new certificate based on a CSR (i.e. the `~/v1/pki/sign` endpoint).`
  - \* Support for the PKI backend revoke method, and addition of a `useCsrSans` property in PKI role object
  - \* Gives `~VaultConfig` the ability to disable loading from environment variables if desired.`
  - \* Cleans up issues with the new Docker-based integration test suite.
  - \* Updates all dependencies to their latest versions (including switching to Vault 0.9.1 for integration testing).
- \*\*\*3.0.0\*\*:** This is a breaking-change release, with several updates.
- \*\*\*API changes\*\*:**
- \* Adds support for writing arbitrary objects to Vault, instead of just strings (i.e. the `~com.bettercloud.vault.api.Logical.write(...)` method now accepts a ~Map<String, Object>` rather than a ~Map<String, String>`).`
  - \* Refactors the `~VaultConfig` class, forcing use of the builder pattern and breaking off SSL-related config into a separate ~SslConfig` class.`
  - \* Refactors the `~Auth.createToken()` method, to encapsulate the possible options within a config object rather than having the method signature contain 8 optional arguments.`
- \*\*\*SSL and Auth Backend support\*\*:**
- \* Adds support for authenticating with the TLS Certificate auth backend.
  - \* Updates SSL support in general, allowing users to configure the driver with Java-friendly JKS keystore and truststore files (in addition to continuing to support Vault-friendly PEM format).
  - \* Implements the `~/v1/auth/token/lookup-self` endpoint.`
  - \* Supports creating tokens against a role.
- \*\*\*Major re-vamp of the integration test suite\*\*:**
- \* The tests now use the [TestContainers](<https://www.testcontainers.org/>) library to setup and launch a Vault server instance from within a Docker container, in a completely automated manner. You no longer have to manually configure and run a Vault server to use the test suite!
  - \* The tests are now going against a regular Vault server, rather than one running in "dev mode". Therefore, they are now able to use HTTPS connections rather than plain HTTP.
  - \* Upgrades tests to use Java 8 (although the library itself still targets Java 7).
- \*\*\*Misc / quality-of-life\*\*:**
- \* Includes the REST response body in `~VaultException` messages for basic read and write operations.`
  - \* Makes numerous classes implement `~Serializable`.`
  - \* Upgrades the project to Gradle 4.0.
- \*\*\*2.0.0\*\*:** This is breaking-change release, with numerous deprecated items cleaned up.
- \* Adds support for authentication via the AppRole auth backend.
  - \* Adds support for renewing secret leases.
  - \* Removes the `~com.bettercloud.vault.api.Sys` class, deprecated in the 1.2.0 release.`
  - \* Removes the `~com.bettercloud.vault.api.Auth.loginByUsernamePassword` method, deprecated in the 1.2.0 release.`
  - \* Removes the fields `~leaseId` , ~leaseDuration` , and ~renewable` from the ~VaultResponse` base class, instead including them only in the subclasses for specific response types where they are found.`

- \* Changes the `com.bettercloud.vault.response.AuthResponse` class field `authLeaseDuration` from type `int` to `long`.
  - \* Refactors and removes various deprecated `private` methods, with no change to the exposed API.
- 1.2.0**: This is a substantial release, with numerous additions. It's a minor version number only because there should be no breaking changes. The changes include the following:
- \* Switches from Vault 0.5.x to 0.6.x for automated tests.
  - \* Adds a field to `VaultException` for capturing the HTTP response code (if any) from Vault.
  - \* Updates the Gradle build, so that you no longer need empty placeholder values for certain variables elsewhere in your environment.
  - \* Updates integration test suite to account for breaking changes in Vault 0.6.x (e.g. you can no longer use a token that was obtained from one of the authentication backends to perform tasks such as creating and deleting roles, etc).
  - \* Deprecates the App ID authentication backend, and adds a new version of the Userpass authentication backend that doesn't require a path prefix. Adds support for the GitHub authentication backend.
  - \* If the `VAULT_TOKEN` environment parameter is not set, then the driver will now check for a file named `.vault-token` in the executing user's home directory, and try to read a token value from that.
  - \* Deprecates the `com.bettercloud.vault.api.Sys` class, moving the debug-related methods into their own specific `com.bettercloud.vault.api.Debug` class instead.
  - \* Implements some of the lease related endpoints (i.e. `revoke`, `revoke-prefix`, `revoke-force`).
  - \* Supports PKI backends that are mounted on non-default paths.
- 1.1.1**: Changes the `ttl` argument to `Pki.issue()` from `Integer` to `String`, to fix a bug preventing you from specifying the time suffix (e.g. "1h").
- 1.1.0**: Switches from Vault 0.4.x to 0.5.x for automated tests. Adds support to the Logical API wrapper for listing and deleting secrets. Implements the `/v1/sys/health` health-check HTTP API endpoint. Implements portions of the PKI backend (e.g. creating and deleting roles, issuing credentials). Marks numerous methods as deprecated, to be removed in a future major release.
- 1.0.0**: Drops support for Java 6. Removes all methods marked as `@Deprecated` in version 0.5.0. Adds support for response metadata (i.e. `lease_id`, `renewable`, `lease_duration`) to all response types, rather than just `AuthResponse`. Changes `leaseDuration` type from `int` to `Long` in `AuthResponse`. Removes `final` declarations on all classes (outside of the JSON package). Various bugfixes. Adds support for auth token self-renewal. Adds support for writing values that return content.
- 0.5.0**: Adds support for supplying SSL certificates, and for toggling whether or not the Vault server's SSL certificate will be verified. Also adds support for `openTimeout` and `readTimeout` settings. Deprecates the `timeout`, `sslTimeout`, `proxyAddress`, `proxyPort`, `proxyUsername`, and `proxyPassword` settings (the proxy settings may return in a future version, but it's too misleading to have methods exposed for settings that won't really be supported soon).
- 0.3.0**: Initial public release. Support for writing and reading secrets, authenticating with the `AppID` or `Username & Password` auth backends. All over-the-wire methods support automatic retry logic.

## Development

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Pull requests are welcomed for bugfixes or enhancements that do not alter the external facing class and method signatures. For any breaking changes that would alter the contract provided by this driver, please open up an issue

to discuss it first.

All code changes should include unit test and/or integration test coverage as appropriate. Unit tests are any that can be run in isolation, with no external dependencies. Integration tests are those which require a Vault server instance (at least a Dev Server) up and running.

Unit tests are located under the `src/test` directory, and can be run with the Gradle `unitTest` task.

Integration tests are located under the `src/test-integration` directory, and can be run with the Gradle `integrationTest` task. See the additional `README.md` file in this directory for more detailed information.

Although this library now includes a `module-info` class for use by Java 9+, the library currently targets Java 8 compatibility. Please do not attempt to introduce any features or syntax not compatible with Java 8 (the Gradle build script should prevent you from doing so without modification).

#### License

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#### Other Notes

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The Vault server system itself is a product of HashiCorp, a completely separate organization.

This client driver adapts JSON parsing code from Ralf Sternberg's excellent [minimal-json](<https://github.com/ralfstx/minimal-json>) library, likewise available under the MIT License. Package names have all been changed, to prevent any conflicts should you happen to be using a different version of that library elsewhere in your project dependencies.

Found in path(s):

```
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/README.md
```

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```
/**
```

```
* <p>Intended for internal use by other classes within the Vault driver library.</p>
```

```
*
```

```
* <p>JSON parsing functionality. The classes in this package are adapted from Ralf Sternberg's excellent
* "minimal-json" library, available under the MIT License.
* The package names have all been changed, to prevent any conflicts should you happen to be using a different
* version of this library elsewhere in your project dependencies.</p>
```

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```
* /opt/cola/permits/1162863465_1653505868.969204/0/vault-java-driver-master-1-zip/vault-java-driver-master/src/main/java/com/bettercloud/vault/json/package-info.java
```

## 1.277 model 4.2.10

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* /opt/cola/permits/1340816230_1654719638.0747132/0/model-4-2-10-sources-jar/types/HighAvailability.java
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* /opt/cola/permits/1340816230_1654719638.0747132/0/model-4-2-10-sources-jar/services/StorageDomainDiskService.java
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* /opt/cola/permits/1340816230_1654719638.0747132/0/model-4-2-10-sources-jar/services/AttachedStorageDomainDiskService.java
```

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* /opt/cola/permits/1340816230_1654719638.0747132/0/model-4-2-10-sources-
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jar/services/ClusterNetworkService.java  
\* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-  
jar/services/AttachedStorageDomainDisksService.java  
\* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-  
jar/services/DataCenterNetworkService.java  
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jar/services/ClusterNetworksService.java  
\* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-  
jar/services/StorageDomainDisksService.java  
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\* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/StorageDomain.java  
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\* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/Job.java  
\* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/GlusterBrick.java  
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\* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/services/SystemService.java  
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\* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/SwitchType.java  
\* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/ImageTransferPhase.java

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Found in path(s):

\* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/DiskAttachment.java

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\* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/StorageDomainLease.java

\* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/Host.java

\* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/NfsVersion.java

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\* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/GlusterVolumeType.java

\* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-

jar/services/AssignedVnicProfileService.java  
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- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/VmPool.java
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- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/NicInterface.java
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- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/AgentConfiguration.java
- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/CloudInit.java
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- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/Weight.java
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- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/services/aaa/DomainsService.java
- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/services/aaa/UserService.java
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\* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/Dns.java

- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/ErrorHandling.java
- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/services/InstanceTypeNicService.java
- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/Version.java
- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/services/externalhostproviders/KatelloErrataService.java
- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/Sso.java
- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/services/CpuProfileService.java
- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/HookContentType.java
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- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/HookStatus.java
- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/OpenStackNetwork.java
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- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/services/StorageDomainVmsService.java
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- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/Event.java
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- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/services/aaa/SshPublicKeysService.java
- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/Cpu.java
- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/services/FilesService.java
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- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/Permission.java
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- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/services/FiltersService.java
- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/services/externalhostproviders/KatelloErratumService.java
- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/NumaTuneMode.java
- \* /opt/cola/permits/1340816230\_1654719638.0747132/0/model-4-2-10-sources-jar/types/VnicPassThroughMode.java

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* /opt/cola/permits/1340816230_1654719638.0747132/0/model-4-2-10-sources-jar/types/Cdrom.java
* /opt/cola/permits/1340816230_1654719638.0747132/0/model-4-2-10-sources-
jar/services/AssignedTagsService.java
* /opt/cola/permits/1340816230_1654719638.0747132/0/model-4-2-10-sources-jar/types/Device.java
* /opt/cola/permits/1340816230_1654719638.0747132/0/model-4-2-10-sources-jar/types/VnicProfileMapping.java
* /opt/cola/permits/1340816230_1654719638.0747132/0/model-4-2-10-sources-
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* /opt/cola/permits/1340816230_1654719638.0747132/0/model-4-2-10-sources-
jar/services/AssignedDiskProfileService.java
* /opt/cola/permits/1340816230_1654719638.0747132/0/model-4-2-10-sources-
jar/services/openstack/OpenstackImageProviderService.java
* /opt/cola/permits/1340816230_1654719638.0747132/0/model-4-2-10-sources-jar/types/Value.java
* /opt/cola/permits/1340816230_1654719638.0747132/0/model-4-2-10-sources-jar/types/VmPoolType.java
* /opt/cola/permits/1340816230_1654719638.0747132/0/model-4-2-10-sources-jar/types/Boot.java
* /opt/cola/permits/1340816230_1654719638.0747132/0/model-4-2-10-sources-jar/types/EntityProfileDetail.java
* /opt/cola/permits/1340816230_1654719638.0747132/0/model-4-2-10-sources-
jar/services/aaa/SshPublicKeyService.java
* /opt/cola/permits/1340816230_1654719638.0747132/0/model-4-2-10-sources-jar/types/GraphicsConsole.java
* /opt/cola/permits/1340816230_1654719638.0747132/0/model-4-2-10-sources-jar/types/BlockStatistic.java
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*/
```

Found in path(s):

```
* /opt/cola/permits/1340816230_1654719638.0747132/0/model-4-2-10-sources-jar/services/RolesService.java
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## 1.278 reactive-relational-database- connectivity-spi 0.8.6.RELEASE



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 */
```

Found in path(s):

```
* /opt/cola/permits/1331474007_1653510300.1759446/0/slf4j-api-1-7-36-sources-
jar/org/slf4j/helpers/FormattingTuple.java
* /opt/cola/permits/1331474007_1653510300.1759446/0/slf4j-api-1-7-36-sources-
jar/org/slf4j/helpers/NOPLoggerFactory.java
* /opt/cola/permits/1331474007_1653510300.1759446/0/slf4j-api-1-7-36-sources-
jar/org/slf4j/spi/MDCAdapter.java
* /opt/cola/permits/1331474007_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/MarkerFactory.java
* /opt/cola/permits/1331474007_1653510300.1759446/0/slf4j-api-1-7-36-sources-
jar/org/slf4j/impl/StaticLoggerBinder.java
* /opt/cola/permits/1331474007_1653510300.1759446/0/slf4j-api-1-7-36-sources-
jar/org/slf4j/impl/StaticMarkerBinder.java
* /opt/cola/permits/1331474007_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/MDC.java
* /opt/cola/permits/1331474007_1653510300.1759446/0/slf4j-api-1-7-36-sources-
jar/org/slf4j/helpers/MessageFormatter.java
* /opt/cola/permits/1331474007_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/Marker.java
```

\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/helpers/BasicMDCAdapter.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/helpers/BasicMarker.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/ILoggerFactory.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/impl/StaticMDCBinder.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/helpers/MarkerIgnoringBase.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/helpers/NOPMDCAdapter.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/helpers/NamedLoggerBase.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/helpers/BasicMarkerFactory.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/helpers/Util.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/LoggerFactory.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/spi/LoggerFactoryBinder.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/spi/LocationAwareLogger.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/helpers/SubstituteLogger.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/Logger.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/spi/MarkerFactoryBinder.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/helpers/NOPLLogger.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/IMarkerFactory.java  
\* /opt/cola/permits/1331474007\_1653510300.1759446/0/slf4j-api-1-7-36-sources-jar/org/slf4j/helpers/SubstituteLoggerFactory.java

## 1.281 java-architecture-for-xml-binding 3.0.0

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<https://github.com/apache/maven-resolver/tree/master/maven-resolver-transport-file>

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<https://mvnrepository.com/artifact/org.apache.maven/maven-settings/3.5.2>

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\* Project: <https://maven.apache.org/wagon/>

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# 1.282 flexmark-java-core 0.62.2

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```
/**
```

- \* Set the attributes for the node by modifying the provided map.
- \* <p>
- \* This allows to change or even removeIndex default attributes. With great power comes great responsibility.
- \* <p>
- \* The attribute key and values will be escaped (preserving character entities), so don't escape them here, otherwise they will be double-escaped.
- \* <p>
- \* Also used to get the id attribute for the node. Specifically for heading nodes. When the part parameter is `AttributablePart.ID` only need to check and provide an id attribute.
- \* <p>
- \* When part is `AttributablePart.LINK` then attributes are being requested for a Link or Image link, link status after link resolution will be found under the `Attribute.LINK_STATUS`.
- \* Core defines `LinkStatus.UNKNOWN,LinkStatus.VALID,LinkStatus.NOT_FOUND`. Extensions can define more.
- \* <p>
- \* `AttributablePart.NODE` is a generic placeholder when the node did not provide a specific part for attribution.
- \* @param node the node to set attributes for
- \* @param part attributes for the specific part of the node being generated, Core defines `AttributablePart.LINK`,
- \* `AttributablePart.ID` and generic `AttributablePart.NODE`, extensions are free to define more
- \* @param attributes the attributes, with any default attributes already set in the map
- \*/

Found in path(s):

```
*/opt/cola/permits/1340816020_1654860103.5352411/0/flexmark-0-62-2-sources-jar/com/vladsch/flexmark/html/AttributeProvider.java
```



# 1.283 zstd-jni 1.5.0-4

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* /opt/cola/permits/1340816269_1654861295.3642766/0/caffeine-3-0-5-sources-
jar/com/github/benmanes/caffeine/cache/stats/StatsCounter.java
* /opt/cola/permits/1340816269_1654861295.3642766/0/caffeine-3-0-5-sources-
jar/com/github/benmanes/caffeine/cache/stats/DisabledStatsCounter.java
* /opt/cola/permits/1340816269_1654861295.3642766/0/caffeine-3-0-5-sources-
jar/com/github/benmanes/caffeine/cache/stats/CacheStats.java
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```

```
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*/
```

Found in path(s):

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* /opt/cola/permits/1340816269_1654861295.3642766/0/caffeine-3-0-5-sources-
jar/com/github/benmanes/caffeine/cache/AsyncCacheLoader.java
* /opt/cola/permits/1340816269_1654861295.3642766/0/caffeine-3-0-5-sources-
jar/com/github/benmanes/caffeine/cache/CaffeineSpec.java
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```

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```

Found in path(s):

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* /opt/cola/permits/1340816269_1654861295.3642766/0/caffeine-3-0-5-sources-
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* /opt/cola/permits/1340816269_1654861295.3642766/0/caffeine-3-0-5-sources-
jar/com/github/benmanes/caffeine/cache/WIMWA.java
* /opt/cola/permits/1340816269_1654861295.3642766/0/caffeine-3-0-5-sources-
jar/com/github/benmanes/caffeine/cache/WSLA.java
* /opt/cola/permits/1340816269_1654861295.3642766/0/caffeine-3-0-5-sources-
jar/com/github/benmanes/caffeine/cache/FDMW.java
* /opt/cola/permits/1340816269_1654861295.3642766/0/caffeine-3-0-5-sources-
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jar/com/github/benmanes/caffeine/cache/SSLMSR.java  
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jar/com/github/benmanes/caffeine/cache/FSWRMS.java

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- \* /opt/cola/permits/1340816269\_1654861295.3642766/0/caffeine-3-0-5-sources-jar/com/github/benmanes/caffeine/cache/LocalAsyncLoadingCache.java
- \* /opt/cola/permits/1340816269\_1654861295.3642766/0/caffeine-3-0-5-sources-jar/com/github/benmanes/caffeine/cache/LocalLoadingCache.java
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- \* /opt/cola/permits/1340816269\_1654861295.3642766/0/caffeine-3-0-5-sources-jar/com/github/benmanes/caffeine/cache/References.java
- \* /opt/cola/permits/1340816269\_1654861295.3642766/0/caffeine-3-0-5-sources-jar/com/github/benmanes/caffeine/cache/stats/GuardedStatsCounter.java
- \* /opt/cola/permits/1340816269\_1654861295.3642766/0/caffeine-3-0-5-sources-jar/com/github/benmanes/caffeine/cache/Buffer.java
- \* /opt/cola/permits/1340816269\_1654861295.3642766/0/caffeine-3-0-5-sources-jar/com/github/benmanes/caffeine/cache/LocalCache.java

## 1.288 json-path 2.6.0

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- \* /opt/cola/permits/1183892205\_1627493824.21/0/json-path-2-6-0-sources-1-jar/com/jayway/restassured/mapper/factory/DefaultJackson2ObjectMapperFactory.java
- \* /opt/cola/permits/1183892205\_1627493824.21/0/json-path-2-6-0-sources-1-jar/com/jayway/restassured/mapper/factory/DefaultGsonObjectMapperFactory.java
- \* /opt/cola/permits/1183892205\_1627493824.21/0/json-path-2-6-0-sources-1-jar/com/jayway/restassured/internal/path/json/ConfigurableJsonSlurper.groovy
- \* /opt/cola/permits/1183892205\_1627493824.21/0/json-path-2-6-0-sources-1-jar/com/jayway/restassured/internal/path/json/mapping/JsonPathJackson2ObjectDeserializer.groovy
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- \* /opt/cola/permits/1183892205\_1627493824.21/0/json-path-2-6-0-sources-1-jar/com/jayway/restassured/mapper/factory/DefaultJackson1ObjectMapperFactory.java
- \* /opt/cola/permits/1183892205\_1627493824.21/0/json-path-2-6-0-sources-1-jar/com/jayway/restassured/mapper/factory/GsonObjectMapperFactory.java
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- \* /opt/cola/permits/1183892205\_1627493824.21/0/json-path-2-6-0-sources-1-jar/com/jayway/restassured/internal/path/json/JSONAssertion.groovy
- \* /opt/cola/permits/1183892205\_1627493824.21/0/json-path-2-6-0-sources-1-jar/com/jayway/restassured/path/json/config/JsonParserType.java
- \* /opt/cola/permits/1183892205\_1627493824.21/0/json-path-2-6-0-sources-1-jar/com/jayway/restassured/path/json/exception/JsonPathException.java
- \* /opt/cola/permits/1183892205\_1627493824.21/0/json-path-2-6-0-sources-1-jar/com/jayway/restassured/path/json/JsonPath.java
- \* /opt/cola/permits/1183892205\_1627493824.21/0/json-path-2-6-0-sources-1-jar/com/jayway/restassured/path/json/mapping/JsonPathObjectDeserializer.java
- \* /opt/cola/permits/1183892205\_1627493824.21/0/json-path-2-6-0-sources-1-jar/com/jayway/restassured/mapper/factory/Jackson2ObjectMapperFactory.java
- \* /opt/cola/permits/1183892205\_1627493824.21/0/json-path-2-6-0-sources-1-jar/com/jayway/restassured/mapper/factory/Jackson1ObjectMapperFactory.java
- \* /opt/cola/permits/1183892205\_1627493824.21/0/json-path-2-6-0-sources-1-jar/com/jayway/restassured/internal/path/json/mapping/JsonPathGsonObjectDeserializer.groovy
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# 1.289 rider-spring 1.32.0

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\* /opt/cola/permits/1131003422\_1649015566.9/0/diffutils-1-3-0-jar/META-INF/maven/com.googlecode.java-diff-utils/diffutils/pom.xml

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Manifest-Version: 1.0  
Archiver-Version: Plexus Archiver  
Built-By: smitterm  
Created-By: Apache Maven Bundle Plugin  
Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0.txt>  
Bnd-LastModified: 1362404972142  
Export-Package: difflib;uses:="difflib.myers";version="1.3.0",difflib.  
myers;uses:=difflib;version="1.3.0"  
Bundle-Version: 1.3.0  
Bundle-Description: The DiffUtils library for computing diffs, applying patches, generating side-by-side view in Java.  
Bundle-Name: java-diff-utils  
Build-Jdk: 1.5.0\_22  
Bundle-ManifestVersion: 2  
Bundle-SymbolicName: com.googlecode.java-diff-utils.diffutils  
Tool: Bnd-1.50.0

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\* /opt/cola/permits/1131003422\_1649015566.9/0/diffutils-1-3-0-jar/META-INF/MANIFEST.MF

## 1.294 brave-instrumentation-kafka-streams

### 5.13.2

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## 1.295 jackson-databind 2.13.2

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# 1.296 brave-propagation:-amazon-web-services-(aws) 0.21.3

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Found in path(s):

\* /opt/cola/permits/1340816205\_1654861315.2555492/0/brave-propagation-aws-0-21-3-sources-jar/brave/propagation/aws/HexCodec.java

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\* /opt/cola/permits/1340816205\_1654861315.2555492/0/brave-propagation-aws-0-21-3-sources-jar/brave/propagation/aws/AWSPropagation.java

\* /opt/cola/permits/1340816205\_1654861315.2555492/0/brave-propagation-aws-0-21-3-sources-jar/brave/propagation/aws/AWSExtractor.java



```
* /opt/cola/permits/1340816205_1654861315.2555492/0/brave-propagation-aws-0-21-3-sources-
jar/brave/propagation/aws/AWSInjector.java
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Found in path(s):

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* /opt/cola/permits/1340816205_1654861315.2555492/0/brave-propagation-aws-0-21-3-sources-jar/META-
INF/maven/io.zipkin.aws/brave-propagation-aws/pom.xml
```

## 1.297 zipkin-v2 2.23.0

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Found in path(s):

```
* /opt/cola/permits/1340815678_1654853699.1951504/0/zipkin-2-23-0-sources-
```

jar/zipkin2/internal/ReadBuffer.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/HexCodec.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/TracesAdapter.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/v1/V1SpanConverter.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/SpanBytesDecoderDetector.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/storage/InMemoryStorage.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/RecyclableBuffers.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/v1/V1Annotation.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/DependencyLinker.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/AggregateCall.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/JsonCodec.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/codec/SpanBytesDecoder.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/v1/V1Span.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/Endpoint.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/codec/DependencyLinkBytesDecoder.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/FilterTraces.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/codec/BytesDecoder.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/DelayLimiter.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/storage/QueryRequest.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/storage/StrictTraceId.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/Span.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/WriteBuffer.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/Dependencies.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/storage/GroupByTraceId.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/Trace.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/ThriftCodec.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/Call.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/storage/StorageComponent.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/DateUtil.java

\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/SpanNode.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/codec/BytesEncoder.java

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\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/storage/SpanConsumer.java

\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/V2SpanReader.java

\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/Callback.java

\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/Proto3Codec.java

\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/storage/ServiceAndSpanNames.java

\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/v1/V2SpanConverter.java

\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/V1ThriftSpanReader.java

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\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/Nullable.java

\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/DependencyLink.java

\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/ThriftField.java

\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/storage/Traces.java

\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/Proto3ZipkinFields.java

\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/Component.java

\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/V1SpanWriter.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/V1ThriftSpanWriter.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/Annotation.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/V1JsonSpanReader.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/storage/SpanStore.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/CheckResult.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/ThriftEndpointCodec.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/codec/DependencyLinkBytesEncoder.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/Proto3Fields.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/JsonEscaper.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/storage/ForwardingStorageComponent.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/storage/AutocompleteTags.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/v1/V1BinaryAnnotation.java  
\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/zipkin2/internal/Proto3SpanWriter.java

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\* /opt/cola/permits/1340815678\_1654853699.1951504/0/zipkin-2-23-0-sources-jar/META-INF/maven/io.zipkin.zipkin2/zipkin/pom.xml

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## 1.299 antlr 3.5.2

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 */

@outputFile.imports() ::= <<
<@super.imports()>

<if(!TREE_PARSER)>
<! tree parser would already have imported !>
using Antlr.Runtime.Tree;
using RewriteRuleITokenStream = Antlr.Runtime.Tree.RewriteRuleTokenStream;
<endif>
>>

@genericParser.members() ::= <<
<@super.members()>
<parserMembers()>
>>
```

```

parserCtorBody() ::= <%
<super.parserCtorBody()><\n>
TreeAdaptor =
<if(actions.(actionScope).treeAdaptorInitializer)>
<actions.(actionScope).treeAdaptorInitializer>
<else>
new <actions.(actionScope).treeAdaptorType; null="CommonTreeAdaptor">()
<end>
;
%>

/** Add an adaptor property that knows how to build trees */
parserMembers() ::= <<
private <treeAdaptorType()> adaptor;

public <treeAdaptorType()> TreeAdaptor
{
get
{
return adaptor;
}

set
{
this.adaptor = value;
<grammar.directDelegates: {g|<g.delegateName()>.TreeAdaptor = this.adaptor;}>
}
}
>>

treeAdaptorType() ::= <<
<actions.(actionScope).treeAdaptorType; null="ITreeAdaptor">
>>

ruleReturnBaseType() ::= <%
Ast<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope\<<ASTLabelType>, <labelType>>
%>

/** Add a variable to track rule's return AST */
ruleDeclarations() ::= <<
<super.ruleDeclarations()>
<ASTLabelType> root_0 = default(<ASTLabelType>);<\n>
>>

ruleLabelDefs() ::= <<
<super.ruleLabelDefs()>
<[ruleDescriptor.tokenLabels,ruleDescriptor.wildcardTreeLabels,ruleDescriptor.wildcardTreeListLabels]

```

```

: {it|<ASTLabelType> <it.label.text>_tree = default(<ASTLabelType>);}; separator="\n">
<ruleDescriptor.tokenListLabels: {it|<ASTLabelType> <it.label.text>_tree = default(<ASTLabelType>);};
separator="\n">
<ruleDescriptor.allTokenRefsInAltsWithRewrites
: {it|RewriteRule<rewriteElementType>Stream stream_<it>=new
RewriteRule<rewriteElementType>Stream(adaptor,"token <it>");}; separator="\n">
<ruleDescriptor.allRuleRefsInAltsWithRewrites
: {it|RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"rule <it>");};
separator="\n">
>>

/** When doing auto AST construction, we must define some variables;
* These should be turned off if doing rewrites. This must be a "mode"
* as a rule could have both rewrite and AST within the same alternative
* block.
*/
@alt.declarations() ::= <<
<if(autoAST)>
<if(outerAlt)>
<if(!rewriteMode)>
root_0 = (<ASTLabelType>)adaptor.Nil();
<endif>
<endif>
<endif>
>>

// Tracking Rule Elements

/** ID and track it for use in a rewrite rule */
tokenRefTrack(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefBang(...)> <! Track implies no auto AST construction!>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>stream_<token>.Add(<label>);<\n>
>>

/** ids+=ID and track it for use in a rewrite rule; adds to ids *and*
* to the tracking list stream_ID for use in the rewrite.
*/
tokenRefTrackAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefTrack(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/** ^(ID ...) track for rewrite */
tokenRefRuleRootTrack(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefBang(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>stream_<token>.Add(<label>);
>>

```

```

/** Match ^(label+=TOKEN ...) track for rewrite */
tokenRefRuleRootTrackAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefRuleRootTrack(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>stream_<rule.name>.Add(<label>.Tree);
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefTrack(...)>
<listLabelElem(elem={<label>.Tree},elemType=ASTLabelType,...)>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>stream_<rule>.Add(<label>.Tree);
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRootTrack(...)>
<listLabelElem(elem={<label>.Tree},elemType=ASTLabelType,...)>
>>

// R e w r i t e

rewriteCode(
alts, description,
referencedElementsDeep, // ALL referenced elements to right of ->
referencedTokenLabels,
referencedTokenListLabels,
referencedRuleLabels,
referencedRuleListLabels,
referencedWildcardLabels,
referencedWildcardListLabels,
rewriteBlockLevel, enclosingTreeLevel, treeLevel) ::= <<
<\n>{
// AST REWRITE
// elements: <referencedElementsDeep; separator=", ">
// token labels: <referencedTokenLabels; separator=", ">
// rule labels: <referencedRuleLabels; separator=", ">
// token list labels: <referencedTokenListLabels; separator=", ">

```

```

// rule list labels: <referencedRuleListLabels; separator=", ">
// wildcard labels: <[referencedWildcardLabels,referencedWildcardListLabels]; separator=", ">
<if(backtracking)>
if (<actions.(actionScope).synpredgate>) {
<endif>
<prevRuleRootRef(>).Tree = root_0;
<rewriteCodeLabels(>
root_0 = (<ASTLabelType>)adaptor.Nil();
<alts:rewriteAlt(> separator="else ">
<! if tree parser and rewrite=true !>
<if(TREE_PARSER&&rewriteMode)>
<prevRuleRootRef(>).Tree = (<ASTLabelType>)adaptor.RulePostProcessing(root_0);
if (<prevRuleRootRef(>).Tree != null)
input.ReplaceChildren(adaptor.GetParent(retval.Start), adaptor.GetChildIndex(retval.Start),
adaptor.GetChildIndex(_last), retval.Tree);
<endif>
<! if parser or tree-parser && rewrite!=true, we need to set result !>
<if(!TREE_PARSER||!rewriteMode)>
<prevRuleRootRef(>).Tree = root_0;
<endif>
<if(backtracking)>
}
<endif>
}
>>

rewriteCodeLabels() ::= <<
<referencedTokenLabels
:{it|RewriteRule<rewriteElementType>Stream stream_<it>=new
RewriteRule<rewriteElementType>Stream(adaptor,"token <it>",<it>)};
separator="\n"
>
<referencedTokenListLabels
:{it|RewriteRule<rewriteElementType>Stream stream_<it>=new
RewriteRule<rewriteElementType>Stream(adaptor,"token <it>", list_<it>)};
separator="\n"
>
<referencedWildcardLabels
:{it|RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"wildcard <it>",<it>)};
separator="\n"
>
<referencedWildcardListLabels
:{it|RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"wildcard <it>",list_<it>)};
separator="\n"
>
<referencedRuleLabels
:{it|RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"rule

```

```

<it>",<it>!=null?<it>.Tree:null);};
 separator="\n"
>
<referencedRuleListLabels
 :{it|RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"token <it>",<it>);};
 separator="\n"
>
>>

/** Generate code for an optional rewrite block; note it uses the deep ref'd element
 * list rather shallow like other blocks.
 */
rewriteOptionalBlock(
 alt,rewriteBlockLevel,
 referencedElementsDeep, // all nested refs
 referencedElements, // elements in immediately block; no nested blocks
 description) ::=
<<
// <fileName>:<description>
if (<referencedElementsDeep:{el | stream_<el>.HasNext}; separator="||">)
{
 <alt>
}
<referencedElementsDeep:{el | stream_<el>.Reset();<n>}>
>>

rewriteClosureBlock(
 alt,rewriteBlockLevel,
 referencedElementsDeep, // all nested refs
 referencedElements, // elements in immediately block; no nested blocks
 description) ::=
<<
// <fileName>:<description>
while (<referencedElements:{el | stream_<el>.HasNext}; separator="||">)
{
 <alt>
}
<referencedElements:{el | stream_<el>.Reset();<n>}>
>>

rewritePositiveClosureBlock(
 alt,rewriteBlockLevel,
 referencedElementsDeep, // all nested refs
 referencedElements, // elements in immediately block; no nested blocks
 description) ::=
<<
if (!(<referencedElements:{el | stream_<el>.HasNext}; separator="||">))
{

```

```

 throw new RewriteEarlyExitException();
}
while (<referencedElements:{el | stream_<el>.HasNext}; separator="||">)
{
 <alt>
}
<referencedElements:{el | stream_<el>.Reset();<\n>}>
>>

rewriteAlt(a) ::= <<
// <a.description>
<if(a.pred)>
if (<a.pred>)
{
 <a.alt>
}
<else>
{
 <a.alt>
}
<endif>
>>

/** For empty rewrites: "r : ... -> ;" */
rewriteEmptyAlt() ::= "root_0 = null;"

rewriteTree(root,children,description,enclosingTreeLevel,treeLevel) ::= <<
// <fileName>:<description>
{
 <ASTLabelType> root_<treeLevel> = (<ASTLabelType>)adaptor.Nil();
 <root:rewriteElement()>
 <children:rewriteElement()>
 adaptor.AddChild(root_<enclosingTreeLevel>, root_<treeLevel>);
}<\n>
>>

rewriteElementList(elements) ::= "<elements:rewriteElement()>"

rewriteElement(e) ::= <%
<@pregen()>
DebugLocation(<e.line>, <e.pos>);<\n>
<e.el>
%>

/** Gen ID or ID[args] */
rewriteTokenRef(token,elementIndex,args,terminalOptions={}) ::= <<
adaptor.AddChild(root_<treeLevel>, <createRewriteNodeFromElement(...)>);<\n>
>>

```



```

/** Gen $label ... where defined via label=ID */
rewriteTokenLabelRef(label,elementIndex) ::= <<
adaptor.AddChild(root_<treeLevel>, stream_<label>.NextNode());<\n>
>>

/** Gen $label ... where defined via label+=ID */
rewriteTokenListLabelRef(label,elementIndex) ::= <<
adaptor.AddChild(root_<treeLevel>, stream_<label>.NextNode());<\n>
>>

/** Gen ^($label ...) */
rewriteTokenLabelRefRoot(label,elementIndex) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(stream_<label>.NextNode(), root_<treeLevel>);<\n>
>>

/** Gen ^($label ...) where label+=... */
rewriteTokenListLabelRefRoot ::= rewriteTokenLabelRefRoot

/** Gen ^(ID ...) or ^(ID[args] ...) */
rewriteTokenRefRoot(token,elementIndex,args,terminalOptions={ }) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(<createRewriteNodeFromElement(...)>,
root_<treeLevel>);<\n>
>>

rewriteImaginaryTokenRef(args,token,elementIndex,terminalOptions={ }) ::= <<
adaptor.AddChild(root_<treeLevel>, <createImaginaryNode(tokenType=token, ...)>);<\n>
>>

rewriteImaginaryTokenRefRoot(args,token,elementIndex,terminalOptions={ }) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(<createImaginaryNode(tokenType=token, ...)>,
root_<treeLevel>);<\n>
>>

/** plain -> {foo} action */
rewriteAction(action) ::= <<
root_0 = <action>;<\n>
>>

/** What is the name of the previous value of this rule's root tree? This
* let's us refer to $rule to mean previous value. I am reusing the
* variable 'tree' sitting in retval struct to hold the value of root_0 right
* before I set it during rewrites. The assign will be to retval.tree.
*/
prevRuleRootRef() ::= "retval"

rewriteRuleRef(rule) ::= <<
adaptor.AddChild(root_<treeLevel>, stream_<rule>.NextTree());<\n>

```

```

>>

rewriteRuleRefRoot(rule) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(stream_<rule>.NextNode(), root_<treeLevel>);<\n>
>>

rewriteNodeAction(action) ::= <<
adaptor.AddChild(root_<treeLevel>, <action>);<\n>
>>

rewriteNodeActionRoot(action) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(<action>, root_<treeLevel>);<\n>
>>

/** Gen $ruleLabel ... where defined via ruleLabel=rule */
rewriteRuleLabelRef(label) ::= <<
adaptor.AddChild(root_<treeLevel>, stream_<label>.NextTree());<\n>
>>

/** Gen $ruleLabel ... where defined via ruleLabel+=rule */
rewriteRuleListLabelRef(label) ::= <<
adaptor.AddChild(root_<treeLevel>, stream_<label>.NextTree());<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel=rule */
rewriteRuleLabelRefRoot(label) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(stream_<label>.NextNode(), root_<treeLevel>);<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel+=rule */
rewriteRuleListLabelRefRoot(label) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(stream_<label>.NextNode(), root_<treeLevel>);<\n>
>>

rewriteWildcardLabelRef(label) ::= <<
adaptor.AddChild(root_<treeLevel>, stream_<label>.NextTree());<\n>
>>

createImaginaryNode(tokenType,args,terminalOptions={ }) ::= <%
<if(terminalOptions.node)>
<! new MethodNode(IDLabel, args) !>
new <terminalOptions.node><(tokenType><if(args)>, <args; separator=", "><endif>)
<else>
(<ASTLabelType>)adaptor.Create(<tokenType>, <args; separator=", "><if(!args)>"<tokenType>"<endif>)
<endif>
%>

createRewriteNodeFromElement(token,args,terminalOptions={ }) ::= <%

```

```

<if(terminalOptions.node)>
new <terminalOptions.node>(stream_<token>.NextToken())<if(args)>, <args; separator=", "><endif>)
<else>
<if(args)> <! must create new node from old !>
adaptor.Create(<token>, <args; separator=", ">)
<else>
stream_<token>.NextNode()
<endif>
<endif>
%>

```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/CSharp2/AST.stg
```

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Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/Python3/Dbg.stg
```

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/Python/AST.stg
```

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/Python/Dbg.stg
```

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/Python3/AST.stg
```

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/Java/ASTParser.stg
```

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/serialize.g
```

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/ActionScript/ASTParser.stg
```

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```
/*
```

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\*/

```
scalaTypeInitMap ::= [
 "Int": "0",
 "Long": "0",
 "Float": "0.0f",
 "Double": "0.0",
 "Boolean": "false",
 "Byte": "0",
 "Short": "0",
 "Char": "0",
 default: "null" // anything other than an atomic type
]
```

```
/** The overall file structure of a recognizer; stores methods for rules
 * and cyclic DFAs plus support code.
```

```
*/
```

```
outputFile(LEXER,PARSER,TREE_PARSER, actionScope, actions,
 docComment, recognizer,
 name, tokens, tokenNames, rules, cyclicDFAs,
 bitsets, buildTemplate, buildAST, rewriteMode, profile,
 backtracking, synpreds, memoize, numRules,
 fileName, ANTLRVersion, generatedTimestamp, trace,
 scopes, superClass, literals) ::=
```

```

<<
// $ANTLR <ANTLRVersion> <fileName> <generatedTimestamp>
<actions.(actionScope).header>

<@imports>
import org.antlr.runtime._
<if(TREE_PARSER)>
import org.antlr.runtime.tree._
<endif>
<@end>

<docComment>
<recognizer>
>>

lexer(grammar, name, tokens, scopes, rules, numRules, filterMode, labelType="CommonToken",
 superClass="Lexer") ::= <<
object <grammar.recognizerName> {
 <tokens:{it | val <it.name> = <it.type>}; separator="\n">

 <cyclicDFAs:cyclicDFA()> <! dump tables for all DFA !>
}

class <grammar.recognizerName>(input: CharStream, state<grammar.delegators:{g|, <g.recognizerName>
<g.delegateName()>}: RecognizerSharedState) extends <@superClassName><superClass><@end>(input,
state<grammar.delegators:{g|, <g.recognizerName> <g.delegateName()>}>) {
 import <grammar.recognizerName>._
 <actions.lexer.members>

 // delegates
 <grammar.delegators:
 {g|<g.recognizerName> <g.delegateName()>}; separator="\n">
 // delegators
 <grammar.delegators:
 {g|<g.recognizerName> <g.delegateName()>}; separator="\n">
 <last(grammar.delegators):{g|public <g.recognizerName> gParent;}>

 <scopes:{it | <if(it.isDynamicGlobalScope)><globalAttributeScope()><endif>}>

 def this(input<grammar.delegators:{g|, <g.recognizerName> <g.delegateName()>}>: CharStream) =
 this(input, new RecognizerSharedState()<grammar.delegators:{g|, <g.delegateName()>}>)

 <if(memoize)>
 <if(grammar.grammarIsRoot)>
 state.ruleMemo = new Array[java.util.Map[_,_]](<numRules>+1)<\n> <! index from 1..n !>
 <endif>
 <endif>

 <grammar.directDelegates:

```

```

 {g|<g:delegateName()> = new <g.recognizerName>(input, state<trunc(g.delegators):{p|,
<p:delegateName()>>, this}); separator="\n">
 <grammar.delegators:
 {g|this.<g:delegateName()> = <g:delegateName()>}; separator="\n">
 <last(grammar.delegators):{g|gParent = <g:delegateName()>}>

override def getGrammarFileName = "<fileName>"

<if(filterMode)>
 <filteringNextToken()>
<endif>
 <rules; separator="\n\n">

 <synpreds:{p | <lexerSynpred(p)>}>
 <cyclicDFAs:{dfa | private val dfa<dfa.decisionNumber> = new
<grammar.recognizerName>.DFA<dfa.decisionNumber>(this)}; separator="\n">
 }
>>

/** A override of Lexer.nextToken() that backtracks over mTokens() looking
 * for matches. No error can be generated upon error; just rewind, consume
 * a token and then try again. backtracking needs to be set as well.
 * Make rule memoization happen only at levels above 1 as we start mTokens
 * at backtracking==1.
 */
filteringNextToken() ::= <<
override def nextToken(): Token = {
 while (true) {
 if (input.LA(1)==CharStream.EOF) {
 var eof: Token = new CommonToken((CharStream)input,Token.EOF,
 Token.DEFAULT_CHANNEL,
 input.index(),input.index())
 eof.setLine(getLine())
 eof.setCharPositionInLine(getCharPositionInLine())
 return eof
 }
 state.token = null
state.channel = Token.DEFAULT_CHANNEL
state.tokenStartCharIndex = input.index()
state.tokenStartCharPositionInLine = input.getCharPositionInLine()
state.tokenStartLine = input.getLine()
state.text = null
try {
 val m = input.mark()
 state.backtracking=1 <! means we won't throw slow exception !>
 state.failed=false
 mTokens()
 state.backtracking=0

```

```

 <! mTokens backtracks with synpred at backtracking==2
 and we set the synpredgate to allow actions at level 1. !>
 if (state.failed) {
 input.rewind(m)
 input.consume() <! advance one char and try again !>
 }
 else {
 emit()
 return state.token
 }
}
}
catch {
 case re: RecognitionException =>
 // shouldn't happen in backtracking mode, but...
 reportError(re)
 recover(re)
 }
}
}

override def memoize(input: IntStream,
 ruleIndex: Int,
 ruleStartIndex: Int) = {
 if (state.backtracking>1) super.memoize(input, ruleIndex, ruleStartIndex)
}

override def alreadyParsedRule(input: IntStream, ruleIndex: Int):Boolean {
 if (state.backtracking>1) return super.alreadyParsedRule(input, ruleIndex)
 return false
}
}
>>

actionGate() ::= "state.backtracking==0"

filteringActionGate() ::= "state.backtracking==1"

/** How to generate a parser */
genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
 bitsets, inputStreamType, superClass,
 labelType, members, rewriteElementType,
 filterMode, ASTLabelType="Object") ::= <<
object <grammar.recognizerName> {
<if(grammar.grammarIsRoot)>
 val tokenNames = Array(
 "\<invalid>", "\<EOR>", "\<DOWN>", "\<UP>", <tokenNames; separator=", ">
)<\n>
<endif>

```

```

<tokens:{it | val <it.name> = <it.type>}; separator="\n">

<cyclicDFAs:cyclicDFA()> <! dump tables for all DFA !>

<bitsets:{it | <bitset(name={FOLLOW_<it.name>_in_<it.inName><it.tokenIndex>},
 words64=it.bits)>>
}

class <grammar.recognizerName>(input: <inputStreamType>, state<grammar.delegators:{g|, <g.recognizerName>
<g.delegateName()>>: RecognizerSharedState) extends <@superClassName><superClass><@end>(input, state) {
 import <grammar.recognizerName>._
 // delegates
 <grammar.delegators:
 {g|public <g.recognizerName> <g.delegateName()>}; separator="\n">
 // delegators
 <grammar.delegators:
 {g|public <g.recognizerName> <g.delegateName()>}; separator="\n">
 <last(grammar.delegators):{g|public <g.recognizerName> gParent;}>

 <scopes:{it | <if(it.isDynamicGlobalScope)><globalAttributeScope()><endif>}>

 <@members>
 <! WARNING. bug in ST: this is cut-n-paste into Dbg.stg !>
 def this(input<grammar.delegators:{g|, <g.recognizerName> <g.delegateName()>>: <inputStreamType>) =
 this(input, new RecognizerSharedState()<grammar.delegators:{g|, <g.delegateName()>>))

 <parserCtorBody()>
 <grammar.directDelegates:
 {g|<g.delegateName()> = new <g.recognizerName>(input, state<trunc(g.delegators):{p|,
<p:delegateName()>>, this)}; separator="\n">
 <grammar.indirectDelegates:{g | <g.delegateName()> = <g.delegateName()>.<g.delegateName()>};
separator="\n">
 <last(grammar.delegators):{g|gParent = <g.delegateName()>}>
 <@end>

 override def getTokenNames: Array[String] = tokenNames
 override def getGrammarFileName = "<fileName>"

 <members>

 <rules; separator="\n\n">

 <! generate rule/method definitions for imported rules so they
 appear to be defined in this recognizer. !>
 // Delegated rules
 <grammar.delegatedRules:{ruleDescriptor|
 @throws(classOf[RecognitionException])
 def <ruleDescriptor.name>(<ruleDescriptor.parameterScope:parameterScope()>): <returnType()> = \{

```



```

<if(ruleDescriptor.hasReturnValue)>return
<endif><ruleDescriptor.grammar.delegateName()>.<ruleDescriptor.name><ruleDescriptor.parameterScope.attributes: {a|<a.name>}; separator=", "> \}}; separator="\n">

 <synpreds: {p | <synpred(p)>}>

 <cyclicDFAs: {dfa | private val dfa<dfa.decisionNumber> = new
<grammar.recognizerName>.DFA<dfa.decisionNumber>(this)}; separator="\n">
 }
>>

parserCtorBody() ::= <<
<if(memoize)>
<if(grammar.grammarIsRoot)>
this.state.ruleMemo = new Array[java.util.Map[_,_]](<length(grammar.allImportedRules)>+1)<\n> <! index from
1..n !>
<endif>
<endif>
<grammar.delegators:
{g|this.<g.delegateName()> = <g.delegateName()>}; separator="\n">
>>

parser(grammar, name, scopes, tokens, tokenNames, rules, numRules, bitsets,
 ASTLabelType="Object", superClass="Parser", labelType="Token",
 members={<actions.parser.members>}) ::= <<
<genericParser(inputStreamType="TokenStream", rewriteElementType="Token", ...)>
>>

/** How to generate a tree parser; same as parser except the input
* stream is a different type.
*/
treeParser(grammar, name, scopes, tokens, tokenNames, globalAction, rules,
 numRules, bitsets, filterMode, labelType={<ASTLabelType>}, ASTLabelType="Object",
superClass={<if(filterMode)><if(buildAST)>TreeRewriter<else>TreeFilter<endif><else>TreeParser<endif>},
members={<actions.treeparser.members>}
) ::= <<
<genericParser(inputStreamType="TreeNodeStream", rewriteElementType="Node", ...)>
>>

/** A simpler version of a rule template that is specific to the imaginary
* rules created for syntactic predicates. As they never have return values
* nor parameters etc..., just give simplest possible method. Don't do
* any of the normal memoization stuff in here either; it's a waste.
* As predicates cannot be inlined into the invoking rule, they need to
* be in a rule by themselves.
*/
synpredRule(ruleName, ruleDescriptor, block, description, nakedBlock) ::=
<<

```

```

// $ANTLR start <ruleName>
@throws(classOf[RecognitionException])
def <ruleName>_fragment(<ruleDescriptor.parameterScope:parameterScope(>): Unit = {
 <ruleLabelDefs(>
<if(trace)>
 traceIn("<ruleName>_fragment", <ruleDescriptor.index>)
 try {
 <block>
 }
 finally {
 traceOut("<ruleName>_fragment", <ruleDescriptor.index>);
 }
<else>
 <block>
<endif>
}
// $ANTLR end <ruleName>
>>

```

```

synpred(name) ::= <<
final def <name>(): Boolean = {
 state.backtracking+=1
 <@start(>
 val start = input.mark()
 try {
 <name>_fragment() // can never throw exception
 } catch {
 case re: RecognitionException =>
 System.err.println("impossible: "+re)
 }
 val success = !state.failed
 input.rewind(start)
 <@stop(>
 state.backtracking-=1
 state.failed=false
 success
}<\n>
>>

```

```

lexerSynpred(name) ::= <<
<synpred(name)>
>>

```

```

ruleMemoization(name) ::= <<
<if(memoize)>
if (state.backtracking>0 && alreadyParsedRule(input, <ruleDescriptor.index>)) { return <ruleReturnValue(> }
<endif>
>>

```

```

/** How to test for failure and return from rule */
checkRuleBacktrackFailure() ::= <<
<if(backtracking)>if (state.failed) return <ruleReturnValue()><endif>
>>

/** This rule has failed, exit indicating failure during backtrack */
ruleBacktrackFailure() ::= <<
<if(backtracking)>if (state.backtracking>0) {state.failed=true; return <ruleReturnValue()>}<endif>
>>

/** How to generate code for a rule. This includes any return type
 * data aggregates required for multiple return values.
 */
rule(ruleName,ruleDescriptor,block,emptyRule,description,exceptions,finally,memoize) ::= <<
<ruleAttributeScope(scope=ruleDescriptor.ruleScope)>
<returnScope(scope=ruleDescriptor.returnScope)>

// $ANTLR start "<ruleName>"
// <fileName>:<description>
@throws(classOf[RecognitionException])
final def <ruleName>(<ruleDescriptor.parameterScope:parameterScope()>): <returnType()> = {
 <if(trace)>traceIn("<ruleName>", <ruleDescriptor.index>)<endif>
 <ruleScopeSetUp()>
 <ruleDeclarations()>
 <ruleLabelDefs()>
 <ruleDescriptor.actions.init>
 <@preamble()>
 try {
 <ruleMemoization(name=ruleName)>
 <block>
 <ruleCleanUp()>
 <(ruleDescriptor.actions.after):execAction()>
 }
 <if(exceptions)>
 <exceptions:{e|<catch(decl=e.decl,action=e.action)><\n>}>
 <else>
 <if(!emptyRule)>
 <if(actions.(actionScope).rulecatch)>
 <actions.(actionScope).rulecatch>
 <else>
 catch {
 case re: RecognitionException =>
 reportError(re)
 recover(input,re)
 }
 <@setErrorReturnValue()>
 }<\n>
 <endif>

```

```

<endif>
<endif>
 finally {
 <if(trace)>traceOut("<ruleName>", <ruleDescriptor.index>);<endif>
 <memoize()>
 <ruleScopeCleanUp()>
 <finally>
 }
 <@postamble()>
 return <ruleReturnValue()>
}
// $ANTLR end "<ruleName>"
>>

catch(decl,action) ::= <<
catch (<e.decl>) {
 <e.action>
}
>>

ruleDeclarations() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
val retval = new <returnType()>()
retval.start = input.LT(1)<\n>
<else>
<ruleDescriptor.returnScope.attributes: { a |
var <a.name>: <a.type> = <if(a.initValue)><a.initValue><else><initValue(a.type)><endif>
}>
<endif>
<if(memoize)>
val <ruleDescriptor.name>_startIndex = input.index()
<endif>
>>

ruleScopeSetUp() ::= <<
<ruleDescriptor.useScopes: {it | <it>_stack.push(new <it>_scope()); separator="\n">
<ruleDescriptor.ruleScope: {it | <it.name>_stack.push(new <it.name>_scope()); separator="\n">
>>

ruleScopeCleanUp() ::= <<
<ruleDescriptor.useScopes: {it | <it>_stack.pop(); separator="\n">
<ruleDescriptor.ruleScope: {it | <it.name>_stack.pop(); separator="\n">
>>

ruleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels,
ruleDescriptor.wildcardTreeLabels,ruleDescriptor.wildcardTreeListLabels]

```

```

: {it | var <it.label.text>: <labelType> = null}; separator="\n"
>
<[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels,ruleDescriptor.wildcardTreeListLabels]
: {it | var list_<it.label.text>: java.util.List=null}; separator="\n"
>
<ruleDescriptor.ruleLabels:ruleLabelDef(); separator="\n">
<ruleDescriptor.ruleListLabels:{ll|var <ll.label.text>: RuleReturnScope = null}; separator="\n">
>>

```

```

lexerRuleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]
: {it | var <it.label.text>: <labelType>=null}; separator="\n"
>
<ruleDescriptor.charLabels:{it | int <it.label.text>;}; separator="\n">
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels]
: {it | var list_<it.label.text>: java.util.List=null}; separator="\n"
>
>>

```

```

ruleReturnValue() ::= <<
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasReturnValue)>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnName>
<else>
retval
<endif>
<endif>
<endif>
>>

```

```

ruleCleanup() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!TREE_PARSER)>
retval.stop = input.LT(-1)<\n>
<endif>
<endif>
>>

```

```

memoize() ::= <<
<if(memoize)>
<if(backtracking)>
if (state.backtracking>0) { memoize(input, <ruleDescriptor.index>, <ruleDescriptor.name>_StartIndex) }
<endif>
<endif>

```

```

>>

/** How to generate a rule in the lexer; naked blocks are used for
 * fragment rules.
 */
lexerRule(ruleName,nakedBlock,ruleDescriptor,block,memoize) ::= <<
// $ANTLR start "<ruleName>"
@throws(classOf[RecognitionException])
final def m<ruleName>(<ruleDescriptor.parameterScope:parameterScope()): Unit = {
 <if(trace)>traceIn("<ruleName>", <ruleDescriptor.index>)<endif>
 <ruleScopeSetUp()>
 <ruleDeclarations()>
 try {
<if(nakedBlock)>
 <ruleMemoization(name=ruleName)>
 <lexerRuleLabelDefs()>
 <ruleDescriptor.actions.init>
 try <block><\n>
<else>
 var _type = <ruleName>
 var _channel = BaseRecognizer.DEFAULT_TOKEN_CHANNEL
 <ruleMemoization(name=ruleName)>
 <lexerRuleLabelDefs()>
 <ruleDescriptor.actions.init>
 try <block>
 <ruleCleanUp()>
 state.`type` = _type
 state.channel = _channel
 <(ruleDescriptor.actions.after):execAction()>
<endif>
 }
 finally {
 <if(trace)>traceOut("<ruleName>", <ruleDescriptor.index>)<endif>
 <ruleScopeCleanUp()>
 <memoize()>
 }
}
// $ANTLR end "<ruleName>"
>>

```

```

/** How to generate code for the implicitly-defined lexer grammar rule
 * that chooses between lexer rules.
 */
tokensRule(ruleName,nakedBlock,args,block,ruleDescriptor) ::= <<
@throws(classOf[RecognitionException])
def mTokens(): Unit = {
 <block><\n>
}

```

>>

## // S U B R U L E S

/\*\* A (...) subrule with multiple alternatives \*/

block(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<

// <fileName>:<description>

var alt<decisionNumber> = <maxAlt>

<decls>

<@predecision()>

<decision>

<@postdecision()>

<@prebranch()>

alt<decisionNumber> match {

<alts:{ a | <altSwitchCase(i,a)> }>

case \_ =>

}

<@postbranch()>

>>

/\*\* A rule block with multiple alternatives \*/

ruleBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<

// <fileName>:<description>

var alt<decisionNumber> = <maxAlt>

<decls>

<@predecision()>

<decision>

<@postdecision()>

alt<decisionNumber> match {

<alts:{ a | <altSwitchCase(i,a)> }>

case \_ =>

}

>>

ruleBlockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<

// <fileName>:<description>

<decls>

<@prealt()>

<alts>

<@postalt()>

>>

/\*\* A special case of a (...) subrule with a single alternative \*/

blockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<

// <fileName>:<description>

<decls>

<@prealt()>

<alts>

```

<@postalt()>
>>

/** A (..)+ block with 1 or more alternatives */
positiveClosureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
// <fileName>:<description>
var cnt<decisionNumber>: Int = 0
<decls>
<@preloop()>
var loop<decisionNumber>_quitflag = false
while (!loop<decisionNumber>_quitflag) {
 var alt<decisionNumber>:Int = <maxAlt>
 <@predecision()>
 <decision>
 <@postdecision()>
 alt<decisionNumber> match {
 <alts:{a | <altSwitchCase(i,a)>}>
 }
 case _ =>
 if (cnt<decisionNumber> >= 1) loop<decisionNumber>_quitflag = true
 else {
 <ruleBacktrackFailure()>
 val eee = new EarlyExitException(<decisionNumber>, input)
 <@earlyExitException()>
 throw eee
 }
 }
 cnt<decisionNumber>+=1
}
<@postloop()>
>>

```

```

positiveClosureBlockSingleAlt ::= positiveClosureBlock

```

```

/** A (..)* block with 1 or more alternatives */
closureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
// <fileName>:<description>
<decls>
<@preloop()>
var loop<decisionNumber>_quitflag = false
while (!loop<decisionNumber>_quitflag) {
 var alt<decisionNumber>:Int = <maxAlt>
 <@predecision()>
 <decision>
 <@postdecision()>
 alt<decisionNumber> match {
 <alts:{a | <altSwitchCase(i,a)>}>
 }
}

```



```

 case _ => loop<decisionNumber>_quitflag = true
 }
}
<@postloop()>
>>

closureBlockSingleAlt ::= closureBlock

/** Optional blocks (x)? are translated to (x|) by before code generation
 * so we can just use the normal block template
 */
optionalBlock ::= block

optionalBlockSingleAlt ::= block

/** A case in a switch that jumps to an alternative given the alternative
 * number. A DFA predicts the alternative and then a simple switch
 * does the jump to the code that actually matches that alternative.
 */
altSwitchCase(altNum, alt) ::= <<
case <altNum> =>
 <@prealt()>
 <alt>
>>

/** An alternative is just a list of elements; at outermost level */
alt(elements,altNum,description,autoAST,outerAlt,treeLevel,rew) ::= <<
// <fileName>:<description>
{
<@declarations()>
<elements:element()>
<rew>
<@cleanup()>
}
>>

/** What to emit when there is no rewrite. For auto build
 * mode, does nothing.
 */
noRewrite(rewriteBlockLevel, treeLevel) ::= ""

// E L E M E N T S

/** Dump the elements one per line */
element(e) ::= <<
<@prematch()>
<e.el><\n>
>>

```

```

/** match a token optionally with a label in front */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
<if(label)><label>=<endif>`match`(input,<token>,FOLLOW_<token>_in_<ruleName><elementIndex>)<if(label)>
.asInstanceOf[<labelType>]<endif>
<checkRuleBacktrackFailure()>
>>

```

```

/** ids+=ID */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

```

```

listLabel(label,elem) ::= <<
if (list_<label>==null) list_<label>=new java.util.ArrayList()
list_<label>.add(<elem>)<\n>
>>

```

```

/** match a character */
charRef(char,label) ::= <<
<if(label)>
<label> = input.LA(1)<\n>
<endif>
`match`(<char>)
<checkRuleBacktrackFailure()>
>>

```

```

/** match a character range */
charRangeRef(a,b,label) ::= <<
<if(label)>
<label> = input.LA(1)<\n>
<endif>
matchRange(<a>,); <checkRuleBacktrackFailure()>
>>

```

```

/** For now, sets are interval tests and must be tested inline */
matchSet(s,label,elementIndex,terminalOptions,postmatchCode="") ::= <<
<if(label)>
<if(LEXER)>
<label>= input.LA(1)<\n>
<else>
<label>=input.LT(1).asInstanceOf[<labelType>]<\n>
<endif>
<endif>
<endif>
if (<s>) {
 input.consume()
 <postmatchCode>
}

```

```

<if(!LEXER)>
 state.errorRecovery=false<\n>
<endif>
 <if(backtracking)>state.failed=false<endif>
}
else {
 <ruleBacktrackFailure()>
 val mse = new MismatchedSetException(null,input)
 <@mismatchedSetException()>
<if(LEXER)>
 recover(mse)
 throw mse
<else>
 throw mse
 <! use following code to make it recover inline; remove throw mse;
 recoverFromMismatchedSet(input,mse,FOLLOW_set_in_<ruleName><elementIndex>)
 !>
<endif>
}<\n>
>>

```

```

matchRuleBlockSet ::= matchSet

```

```

matchSetAndListLabel(s,label,elementIndex,postmatchCode) ::= <<
<matchSet(...)>
<listLabel(elem=label,...)>
>>

```

```

/** Match a string literal */

```

```

lexerStringRef(string,label,elementIndex="0") ::= <<
<if(label)>
val <label>Start = getCharIndex()
`match`(<string>)
<checkRuleBacktrackFailure()>
val <label>StartLine<elementIndex> = getLine()
val <label>StartCharPos<elementIndex> = getCharPositionInLine()
<label> = new <labelType>(input, Token.INVALID_TOKEN_TYPE, Token.DEFAULT_CHANNEL, <label>Start,
getCharIndex()-1)
<label>.setLine(<label>StartLine<elementIndex>)
<label>.setCharPositionInLine(<label>StartCharPos<elementIndex>)
<else>
`match`(<string>)
<checkRuleBacktrackFailure()><\n>
<endif>
>>

```

```

wildcard(token,label,elementIndex,terminalOptions) ::= <<
<if(label)>

```

```

<label>=input.LT(1).asInstanceOf[<labelType>]<\n>
<endif>
matchAny(input)
<checkRuleBacktrackFailure()>
>>

```

```

wildcardAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<wildcard(...)>
<listLabel(elem=label,...)>
>>

```

```

/** Match . wildcard in lexer */
wildcardChar(label, elementIndex) ::= <<
<if(label)>
<label> = input.LA(1)<\n>
<endif>
matchAny()
<checkRuleBacktrackFailure()>
>>

```

```

wildcardCharListLabel(label, elementIndex) ::= <<
<wildcardChar(...)>
<listLabel(elem=label,...)>
>>

```

```

/** Match a rule reference by invoking it possibly with arguments
 * and a return value or values. The 'rule' argument was the
 * target rule name, but now is type Rule, whose toString is
 * same: the rule name. Now though you can access full rule
 * descriptor stuff.
 */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
pushFollow(FOLLOW_<rule.name>_in_<ruleName><elementIndex>)
<if(label)><label>=<endif><if(scope)><scope.delegateName()>.<endif><rule.name>(<args; separator=", ">)<\n>
state._fsp-=1
<checkRuleBacktrackFailure()>
>>

```

```

/** ids+=1 */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(elem=label,...)>
>>

```

```

/** A lexer rule reference.
 *
 * The 'rule' argument was the target rule name, but now
 * is type Rule, whose toString is same: the rule name.

```

```

* Now though you can access full rule descriptor stuff.
*/
lexerRuleRef(rule,label,args,elementIndex,scope) ::= <<
<if(label)>
val <label>Start<elementIndex> = getCharIndex()
val <label>StartLine<elementIndex> = getLine()
val <label>StartCharPos<elementIndex> = getCharPositionInLine()
<if(scope)><scope.delegateName().<endif>m<rule.name>(<args; separator=", ">)
<checkRuleBacktrackFailure()>
<label> = new <labelType>(input, Token.INVALID_TOKEN_TYPE, Token.DEFAULT_CHANNEL,
<label>Start<elementIndex>, getCharIndex()-1)
<label>.setLine(<label>StartLine<elementIndex>)
<label>.setCharPositionInLine(<label>StartCharPos<elementIndex>)
<else>
<if(scope)><scope.delegateName().<endif>m<rule.name>(<args; separator=", ">)
<checkRuleBacktrackFailure()>
<endif>
>>

/** i+=INT in lexer */
lexerRuleRefAndListLabel(rule,label,args,elementIndex,scope) ::= <<
<lexerRuleRef(...)>
<listLabel(elem=label,...)>
>>

/** EOF in the lexer */
lexerMatchEOF(label,elementIndex) ::= <<
<if(label)>
val <label>Start<elementIndex> = getCharIndex()
val <label>StartLine<elementIndex> = getLine()
val <label>StartCharPos<elementIndex> = getCharPositionInLine()
`match`(EOF)
<checkRuleBacktrackFailure()>
val <label> = new <labelType>(input, EOF, Token.DEFAULT_CHANNEL, <label>Start<elementIndex>,
getCharIndex()-1)
<label>.setLine(<label>StartLine<elementIndex>)
<label>.setCharPositionInLine(<label>StartCharPos<elementIndex>)
<else>
`match`(EOF)
<checkRuleBacktrackFailure()>
<endif>
>>

// used for left-recursive rules
recRuleDefArg() ::= "int <recRuleArg()>"
recRuleArg() ::= "_p"
recRuleAltPredicate(ruleName,opPrec) ::= "<recRuleArg()> |<= <opPrec>"
recRuleSetResultAction() ::= "root_0=${<ruleName>}_primary.tree;"

```

```
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>";
```

```
/** match ^(root children) in tree parser */
```

```
tree(root, actionsAfterRoot, children, nullableChildList,
```

```
 enclosingTreeLevel, treeLevel) ::= <<
```

```
<root:element()>
```

```
<actionsAfterRoot:element()>
```

```
<if(nullableChildList)>
```

```
if (input.LA(1)==Token.DOWN) {
```

```
 `match`(input, Token.DOWN, null)
```

```
 <checkRuleBacktrackFailure()>
```

```
 <children:element()>
```

```
 `match`(input, Token.UP, null)
```

```
 <checkRuleBacktrackFailure()>
```

```
}
```

```
<else>
```

```
`match`(input, Token.DOWN, null)
```

```
<checkRuleBacktrackFailure()>
```

```
<children:element()>
```

```
`match`(input, Token.UP, null)
```

```
<checkRuleBacktrackFailure()>
```

```
<endif>
```

```
>>
```

```
/** Every predicate is used as a validating predicate (even when it is
```

```
 * also hoisted into a prediction expression).
```

```
*/
```

```
validateSemanticPredicate(pred,description) ::= <<
```

```
if (!(<evalPredicate(...) >)) {
```

```
 <ruleBacktrackFailure()>
```

```
 throw new FailedPredicateException(input, "<ruleName>", "<description>")
```

```
}
```

```
>>
```

```
// F i x e d D F A (if-then-else)
```

```
dfaState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
```

```
val LA<decisionNumber>_<stateNumber> = input.LA(<k>)<\n>
```

```
<edges; separator="\nelse ">
```

```
else {
```

```
<if(eotPredictsAlt)>
```

```
 alt<decisionNumber>=<eotPredictsAlt>
```

```
<else>
```

```
 <ruleBacktrackFailure()>
```

```
 val nvae = new NoViableAltException("<description>", <decisionNumber>, <stateNumber>, input)<\n>
```

```
 <@noViableAltException()>
```

```
 throw nvae<\n>
```

```
<endif>
```

```

}
>>

/** Same as a normal DFA state except that we don't examine lookahead
 * for the bypass alternative. It delays error detection but this
 * is faster, smaller, and more what people expect. For (X)? people
 * expect "if (LA(1)==X) match(X);" and that's it.
 */
dfaOptionalBlockState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
val LA<decisionNumber>_<stateNumber> = input.LA(<k>)<\n>
<edges; separator="\nelse ">
>>

/** A DFA state that is actually the loopback decision of a closure
 * loop. If end-of-token (EOT) predicts any of the targets then it
 * should act like a default clause (i.e., no error can be generated).
 * This is used only in the lexer so that for ('a')* on the end of a rule
 * anything other than 'a' predicts exiting.
 */
dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
val LA<decisionNumber>_<stateNumber> = input.LA(<k>)<\n>
<edges; separator="\nelse "><\n>
<if(eotPredictsAlt)>
<if(!edges)>
alt<decisionNumber>=<eotPredictsAlt> <! if no edges, don't gen ELSE !>
<else>
else {
 alt<decisionNumber>=<eotPredictsAlt>
}<\n>
<endif>
<endif>
>>

/** An accept state indicates a unique alternative has been predicted */
dfaAcceptState(alt) ::= "alt<decisionNumber>=<alt>"

/** A simple edge with an expression. If the expression is satisfied,
 * enter to the target state. To handle gated productions, we may
 * have to evaluate some predicates for this edge.
 */
dfaEdge(labelExpr, targetState, predicates) ::= <<
if ((<labelExpr> <if(predicates)>&& (<predicates>)<endif>) {
 <targetState>
}
>>

// F i x e d D F A (switch case)

```

```

/** A DFA state where a SWITCH may be generated. The code generator
 * decides if this is possible: CodeGenerator.canGenerateSwitch().
 */
dfaStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
input.LA(<k>) match {
<edges; separator="\n">
case _ =>
<if(eotPredictsAlt)>
 alt<decisionNumber>=<eotPredictsAlt>
<else>
 <ruleBacktrackFailure()>
 val nvae = new NoViableAltException("<description>", <decisionNumber>, <stateNumber>, input)<\n>
 <@noViableAltException()>
 throw nvae<\n>
<endif>
}<\n>
>>

dfaOptionalBlockStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
input.LA(<k>) match {
 <edges; separator="\n">
 case _ =>
}<\n>
>>

dfaLoopbackStateSwitch(k, edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
input.LA(<k>) match {
<edges; separator="\n"><\n>
case _ =>
<if(eotPredictsAlt)>
 alt<decisionNumber>=<eotPredictsAlt>;
<endif>
}<\n>
>>

dfaEdgeSwitch(labels, targetState) ::= <<
case <labels:{it | <it>}>; separator=" | ">=>
{
 <targetState>
}
>>

// C y c l i c D F A

/** The code to initiate execution of a cyclic DFA; this is used
 * in the rule to predict an alt just like the fixed DFA case.
 * The <name> attribute is inherited via the parser, lexer, ...
 */

```



```

dfaDecision(decisionNumber,description) ::= <<
alt<decisionNumber> = dfa<decisionNumber>.predict(input)
>>

/* Dump DFA tables as run-length-encoded Strings of octal values.
* Can't use hex as compiler translates them before compilation.
* These strings are split into multiple, concatenated strings.
* Java puts them back together at compile time thankfully.
* Java cannot handle large static arrays, so we're stuck with this
* encode/decode approach. See analysis and runtime DFA for
* the encoding methods.
*/
cyclicDFA(dfa) ::= <<
val DFA<dfa.decisionNumber>_eotS =
 "<dfa.javaCompressedEOT; wrap="+\n \"">"
val DFA<dfa.decisionNumber>_eofS =
 "<dfa.javaCompressedEOF; wrap="+\n \"">"
val DFA<dfa.decisionNumber>_minS =
 "<dfa.javaCompressedMin; wrap="+\n \"">"
val DFA<dfa.decisionNumber>_maxS =
 "<dfa.javaCompressedMax; wrap="+\n \"">"
val DFA<dfa.decisionNumber>_acceptS =
 "<dfa.javaCompressedAccept; wrap="+\n \"">"
val DFA<dfa.decisionNumber>_specialS =
 "<dfa.javaCompressedSpecial; wrap="+\n \"">}">"
val DFA<dfa.decisionNumber>_transitionS: Array[String] = Array(
 <dfa.javaCompressedTransition: {s|<s; wrap="+\n\"">" }; separator=",\n">
)

val DFA<dfa.decisionNumber>_eot: Array[Short] = DFA.unpackEncodedString(DFA<dfa.decisionNumber>_eotS)
val DFA<dfa.decisionNumber>_eof: Array[Short] = DFA.unpackEncodedString(DFA<dfa.decisionNumber>_eofS)
val DFA<dfa.decisionNumber>_min: Array[Char] =
DFA.unpackEncodedStringToUnsignedChars(DFA<dfa.decisionNumber>_minS)
val DFA<dfa.decisionNumber>_max: Array[Char] =
DFA.unpackEncodedStringToUnsignedChars(DFA<dfa.decisionNumber>_maxS)
val DFA<dfa.decisionNumber>_accept: Array[Short] =
DFA.unpackEncodedString(DFA<dfa.decisionNumber>_acceptS)
val DFA<dfa.decisionNumber>_special: Array[Short] =
DFA.unpackEncodedString(DFA<dfa.decisionNumber>_specialS)
val DFA<dfa.decisionNumber>_transition = new
Array[Array[Short]](DFA<dfa.decisionNumber>_transitionS.length)

for (i \<- DFA<dfa.decisionNumber>_transition.indices) {
 DFA<dfa.decisionNumber>_transition(i) =
DFA.unpackEncodedString(DFA<dfa.decisionNumber>_transitionS(i))
}

class DFA<dfa.decisionNumber> extends DFA {

```

```

def this(recognizer: BaseRecognizer) = {
 this()
 this.recognizer = recognizer
 this.decisionNumber = <dfa.decisionNumber>
 this.eot = DFA<dfa.decisionNumber>_eot
 this.eof = DFA<dfa.decisionNumber>_eof
 this.min = DFA<dfa.decisionNumber>_min
 this.max = DFA<dfa.decisionNumber>_max
 this.accept = DFA<dfa.decisionNumber>_accept
 this.special = DFA<dfa.decisionNumber>_special
 this.transition = DFA<dfa.decisionNumber>_transition
}
override def getDescription = "<dfa.description>"
<@errorMethod()>
<if(dfa.specialStateSTs)>
 @throws(classOf[NoViableAltException])
 override def specialStateTransition(s: Int, _input: IntStream):Int = {
 <if(LEXER)>
 val input = _input
 <endif>
 <if(PARSER)>
 val input = _input.asInstanceOf[TokenStream]
 <endif>
 <if(TREE_PARSER)>
 val input = _input.asInstanceOf[TreeNodeStream]
 <endif>
 val _s = s
 s match {
 <dfa.specialStateSTs:{state |
 case <i0> => <! compressed special state numbers 0..n-1 !>
 <state>}; separator="\n">
 case _ =>
 }
 }
 }
<if(backtracking)>
 if (state.backtracking>0) {state.failed=true; return -1}<\n>
<endif>
 val nvae = new NoViableAltException(getDescription(), <dfa.decisionNumber>, _s, input)
 error(nvae)
 throw nvae
}<\n>
<endif>
}<\n>
>>

/** A state in a cyclic DFA; it's a special state and part of a big switch on
 * state.
 */

```

```

cyclicDFAState(decisionNumber,stateNumber,edges,needErrorClause,semPredState) ::= <<
val LA<decisionNumber>_<stateNumber>: Int = input.LA(1)<\n>
<if(semPredState)> <! get next lookahead symbol to test edges, then rewind !>
val index<decisionNumber>_<stateNumber>: Int = input.index()
input.rewind()<\n>
<endif>
s = -1
<edges; separator="\nelse ">
<if(semPredState)> <! return input cursor to state before we rewound !>
input.seek(index<decisionNumber>_<stateNumber>)<\n>
<endif>
if (s>=0) return s
>>

/** Just like a fixed DFA edge, test the lookahead and indicate what
 * state to jump to next if successful.
 */
cyclicDFAEdge(labelExpr, targetStateNumber, edgeNumber, predicates) ::= <<
if ((<labelExpr> <if(predicates)>&& (<predicates>)<endif>) { s = <targetStateNumber>}<\n>
>>

/** An edge pointing at end-of-token; essentially matches any char;
 * always jump to the target.
 */
eotDFAEdge(targetStateNumber,edgeNumber, predicates) ::= <<
s = <targetStateNumber><\n>
>>

// D F A E X P R E S S I O N S

andPredicates(left,right) ::= "<left>&&<right>"

orPredicates(operands) ::= "<operands; separator=\"||\">"

notPredicate(pred) ::= "!(<evalPredicate(pred,\""\")>)"

evalPredicate(pred,description) ::= "<pred>"

evalSynPredicate(pred,description) ::= "<pred>()"

lookaheadTest(atom,k,atomAsInt) ::= "LA<decisionNumber>_<stateNumber>===<atom>"

/** Sometimes a lookahead test cannot assume that LA(k) is in a temp variable
 * somewhere. Must ask for the lookahead directly.
 */
isolatedLookaheadTest(atom,k,atomAsInt) ::= "input.LA(<k>)===<atom>"

```

```

lookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= <<
(LA<decisionNumber>_<stateNumber> >= <lower> && LA<decisionNumber>_<stateNumber> \<= <upper>)
>>

isolatedLookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= "(input.LA(<k>) >=<lower>
&& input.LA(<k>) \<= <upper>)"

setTest(ranges) ::= "<ranges; separator=\\\"\\\">"

// A T T R I B U T E S

globalAttributeScope(scope) ::= <<
<if(scope.attributes)>
class <scope.name>_scope {
 <scope.attributes:{it | var <it.name>: <it.type> = _}; separator="\\n">
}
val <scope.name>_stack = new collection.mutable.Stack[<scope.name>_scope]<\\n>
<endif>
>>

ruleAttributeScope(scope) ::= <<
<if(scope.attributes)>
class <scope.name>_scope {
 <scope.attributes:{it | var <it.name>: <it.type> = _}; separator="\\n">
}
val <scope.name>_stack = new collection.mutable.Stack[<scope.name>_scope]<\\n>
<endif>
>>

returnStructName(r) ::= "<r.name>_return"

returnType() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<ruleDescriptor:returnStructName()>
<else>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnType>
<else>
Unit
<endif>
<endif>
>>

/** Generate the Java type associated with a single or multiple return
 * values.
 */
ruleLabelType(referencedRule) ::= <<
<if(referencedRule.hasMultipleReturnValues)>

```

```

<referencedRule.name>_return
<else>
<if(referencedRule.hasSingleReturnValue)>
<referencedRule.singleValueReturnType>
<else>
Unit
<endif>
<endif>
>>

delegateName(d) ::= <<
<if(d.label)><d.label><else>g<d.name><endif>
>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
<scalaTypeInitMap.(typeName)>
>>

/** Define a rule label including default value */
ruleLabelDef(label) ::= <<
var <label.label.text>: <ruleLabelType(referencedRule=label.referencedRule)> =
<initValue(typeName=ruleLabelType(referencedRule=label.referencedRule))><\n>
>>

/** Define a return struct for a rule if the code needs to access its
 * start/stop tokens, tree stuff, attributes, ... Leave a hole for
 * subgroups to stick in members.
 * TODO(matthewlloyd): make this static
 */
returnScope(scope) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
final class <ruleDescriptor.returnStructName()> extends
<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope {
 <scope.attributes:{it | var <it.name>: <it.type> = _}; separator="\n">
 <@ruleReturnMembers()>
}
<endif>
>>

parameterScope(scope) ::= <<
<scope.attributes:{it | <it.name>: <it.type>}; separator=", ">
>>

parameterAttributeRef(attr) ::= "<attr.name>"
parameterSetAttributeRef(attr,expr) ::= "<attr.name> =<expr>"

```

```

scopeAttributeRef(scope,attr,index,negIndex) ::= <%
<if(negIndex)>
<scope>_stack(<scope>_stack.size-<negIndex>-1).<attr.name>
<else>
<if(index)>
<scope>_stack(<index>).<attr.name>
<else>
<scope>_stack.top.<attr.name>
<endif>
<endif>
%>

scopeSetAttributeRef(scope,attr,expr,index,negIndex) ::= <%
<if(negIndex)>
<scope>_stack(<scope>_stack.size-<negIndex>-1).<attr.name> = <expr>
<else>
<if(index)>
<scope>_stack(<index>).<attr.name> = <expr>
<else>
<scope>_stack.top.<attr.name> = <expr>
<endif>
<endif>
%>

/** $x is either global scope or x is rule with dynamic scope; refers
 * to stack itself not top of stack. This is useful for predicates
 * like {$function.size(>)>0 && $function::name.equals("foo")}?
 */
isolatedDynamicScopeRef(scope) ::= "<scope>_stack"

/** reference an attribute of rule; might only have single return value */
ruleLabelRef(referencedRule,scope,attr) ::= <%
<if(referencedRule.hasMultipleReturnValues)>
(if (<scope>!=null) <scope>.<attr.name> else <initValue(attr.type)>)
<else>
<scope>
<endif>
%>

returnAttributeRef(ruleDescriptor,attr) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name>
<else>
<attr.name>
<endif>
%>

```

```

returnSetAttributeRef(ruleDescriptor,attr,expr) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name> =<expr>
<else>
<attr.name> =<expr>
<endif>
%>

/** How to translate $tokenLabel */
tokenLabelRef(label) ::= "<label>"

/** ids+=ID {$ids} or e+=expr {$e} */
listLabelRef(label) ::= "list_<label>"

// not sure the next are the right approach

tokenLabelPropertyRef_text(scope,attr) ::= "(if (<scope>!=null) <scope>.getText() else null)"
tokenLabelPropertyRef_type(scope,attr) ::= "(if (<scope>!=null) <scope>.getType() else 0)"
tokenLabelPropertyRef_line(scope,attr) ::= "(if (<scope>!=null) <scope>.getLine() else 0)"
tokenLabelPropertyRef_pos(scope,attr) ::= "(if (<scope>!=null) <scope>.getCharPositionInLine() else 0)"
tokenLabelPropertyRef_channel(scope,attr) ::= "(if (<scope>!=null) <scope>.getChannel() else 0)"
tokenLabelPropertyRef_index(scope,attr) ::= "(if (<scope>!=null) <scope>.getTokenIndex() else 0)"
tokenLabelPropertyRef_tree(scope,attr) ::= "<scope>_tree"
tokenLabelPropertyRef_int(scope,attr) ::= "(if (<scope>!=null) Integer.valueOf(<scope>.getText()) else 0)"

ruleLabelPropertyRef_start(scope,attr) ::= "(if (<scope>!=null) <scope>.start.asInstanceOf[<labelType>] else null)"
ruleLabelPropertyRef_stop(scope,attr) ::= "(if (<scope>!=null) <scope>.stop.asInstanceOf[<labelType>] else null)"
ruleLabelPropertyRef_tree(scope,attr) ::= "(if (<scope>!=null) <scope>.tree.asInstanceOf[<ASTLabelType>] else
null)"
ruleLabelPropertyRef_text(scope,attr) ::= <<
<if(TREE_PARSER)>
(if (<scope>!=null) (input.getTokenStream().toString(
input.getTreeAdaptor().getTokenStartIndex(<scope>.start),
input.getTreeAdaptor().getTokenStopIndex(<scope>.start))) else null)
<else>
(if (<scope>!=null) input.toString(<scope>.start,<scope>.stop) else null)
<endif>
>>

ruleLabelPropertyRef_st(scope,attr) ::= "(if (<scope>!=null) <scope>.st else null)"

/** Isolated $RULE ref ok in lexer as it's a Token */
lexerRuleLabel(label) ::= "<label>"

lexerRuleLabelPropertyRef_type(scope,attr) ::=
"(if (<scope>!=null) <scope>.getType() else 0)"
lexerRuleLabelPropertyRef_line(scope,attr) ::=

```

```

"(if (<scope>!=null) <scope>.getLine() else 0)"
lexerRuleLabelPropertyRef_pos(scope,attr) ::=
"(if (<scope>!=null) <scope>.getCharPositionInLine() else -1)"
lexerRuleLabelPropertyRef_channel(scope,attr) ::=
"(if (<scope>!=null) <scope>.getChannel() else 0)"
lexerRuleLabelPropertyRef_index(scope,attr) ::=
"(if (<scope>!=null) <scope>.getTokenIndex() else 0)"
lexerRuleLabelPropertyRef_text(scope,attr) ::=
"(if (<scope>!=null) <scope>.getText() else null)"
lexerRuleLabelPropertyRef_int(scope,attr) ::=
"(if (<scope>!=null) Integer.valueOf(<scope>.getText()) else 0)"

// Somebody may ref $template or $tree or $stop within a rule:
rulePropertyRef_start(scope,attr) ::= "(retval.start.asInstanceOf[<labelType>])"
rulePropertyRef_stop(scope,attr) ::= "(retval.stop.asInstanceOf[<labelType>])"
rulePropertyRef_tree(scope,attr) ::= "(retval.tree.asInstanceOf[<ASTLabelType>])"
rulePropertyRef_text(scope,attr) ::= <<
<if(TREE_PARSER)>
input.getTokenStream().toString(
input.getTreeAdaptor().getTokenStartIndex(retval.start),
input.getTreeAdaptor().getTokenStopIndex(retval.start))
<else>
input.toString(retval.start,input.LT(-1))
<endif>
>>
rulePropertyRef_st(scope,attr) ::= "retval.st"

lexerRulePropertyRef_text(scope,attr) ::= "getText()"
lexerRulePropertyRef_type(scope,attr) ::= "_type"
lexerRulePropertyRef_line(scope,attr) ::= "state.tokenStartLine"
lexerRulePropertyRef_pos(scope,attr) ::= "state.tokenStartCharPositionInLine"
lexerRulePropertyRef_index(scope,attr) ::= "-1" // undefined token index in lexer
lexerRulePropertyRef_channel(scope,attr) ::= "_channel"
lexerRulePropertyRef_start(scope,attr) ::= "state.tokenStartCharIndex"
lexerRulePropertyRef_stop(scope,attr) ::= "(getCharIndex()-1)"
lexerRulePropertyRef_int(scope,attr) ::= "Integer.valueOf(<scope>.getText())"

// setting $st and $tree is allowed in local rule. everything else
// is flagged as error
ruleSetPropertyRef_tree(scope,attr,expr) ::= "retval.tree =<expr>"
ruleSetPropertyRef_st(scope,attr,expr) ::= "retval.st =<expr>"

/** How to execute an action (only when not backtracking) */
execAction(action) ::= <<
<if(backtracking)>
if (<actions.(actionScope).synpredgate>) {
<action>
}
}

```



```

<else>
<action>
<endif>
>>

/** How to always execute an action even when backtracking */
execForcedAction(action) ::= "<action>"

// M I S C (properties, etc...)

bitset(name, words64) ::= <<
val <name> = new BitSet(Array[Long](<words64:{it | <it>L};separator=","))<\n>
>>

codeFileExtension() ::= ".scala"

true_value() ::= "true"
false_value() ::= "false"

```

Found in path(s):

```

* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/Scala/Scala.stg

```

No license file was found, but licenses were detected in source scan.

```

/*

```

[The "BSD license"]

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\*/

```
@outputFile.imports() ::= <<
```

```
<@super.imports()>
```

```
<if(!TREE_PARSER)><! tree parser would already have imported !>
```

```
import org.antlr.runtime.tree.*;<\n>
```

```
<endif>
```

```
>>
```

```
@genericParser.members() ::= <<
```

```
<@super.members()>
```

```
<parserMembers()>
```

```
>>
```

```
/** Add an adaptor property that knows how to build trees */
```

```
parserMembers() ::= <<
```

```
protected var adaptor:TreeAdaptor = new CommonTreeAdaptor();<\n>
```

```
override public function set treeAdaptor(adaptor:TreeAdaptor):void {
```

```
 this.adaptor = adaptor;
```

```
 <grammar.directDelegates: {g|<g.delegateName().treeAdaptor = this.adaptor; }>
```

```
}
```

```
override public function get treeAdaptor():TreeAdaptor {
```

```
 return adaptor;
```

```
}
```

```
>>
```

```
@returnScope.ruleReturnMembers() ::= <<
```

```
<ASTLabelType> tree;
```

```
public function get tree():Object { return tree; }
```

```
>>
```

```
/** Add a variable to track rule's return AST */
```

```
ruleDeclarations() ::= <<
```

```
<super.ruleDeclarations()>
```

```
var root_0:<ASTLabelType> = null;<\n>
```

```
>>
```

```
ruleLabelDefs() ::= <<
```

```
<super.ruleLabelDefs()>
```

```
<[ruleDescriptor.tokenLabels,ruleDescriptor.wildcardTreeLabels,
```

```
ruleDescriptor.wildcardTreeListLabels]:{it |var <it.label.text>_tree:<ASTLabelType>=null;}; separator="\n">
```

```
<ruleDescriptor.tokenListLabels: {it |var <it.label.text>_tree:<ASTLabelType>=null;}; separator="\n">
```

```
<ruleDescriptor.allTokenRefsInAltsWithRewrites
```

```
 :{it |var stream_<it>:RewriteRule<rewriteElementType>Stream=new
```

```
RewriteRule<rewriteElementType>Stream(adaptor,"token <it>");}; separator="\n">
```

```
<ruleDescriptor.allRuleRefsInAltsWithRewrites
```

```

: {it | var stream_<it>: RewriteRuleSubtreeStream = new RewriteRuleSubtreeStream(adaptor, "rule <it>");};
separator = "\n"
>>

/** When doing auto AST construction, we must define some variables;
 * These should be turned off if doing rewrites. This must be a "mode"
 * as a rule could have both rewrite and AST within the same alternative
 * block.
 */
@alt.declarations() ::= <<
<if(autoAST)>
<if(outerAlt)>
<if(!rewriteMode)>
root_0 = <ASTLabelType>(adaptor.nil());<\n>
<endif>
<endif>
<endif>
>>

// Tracking Rule Elements

/** ID and track it for use in a rewrite rule */
tokenRefTrack(token, label, elementIndex, terminalOptions) ::= <<
<tokenRefBang(...)> <! Track implies no auto AST construction!>
<if(backtracking)> if (<actions.(actionScope).synpredgate>) <endif> stream_<token>.add(<label>);<\n>
>>

/** ids+=ID and track it for use in a rewrite rule; adds to ids *and*
 * to the tracking list stream_ID for use in the rewrite.
 */
tokenRefTrackAndListLabel(token, label, elementIndex, terminalOptions) ::= <<
<tokenRefTrack(...)>
<listLabel(elem=label,...)>
>>

/** ^(ID ...) track for rewrite */
tokenRefRuleRootTrack(token, label, elementIndex, terminalOptions) ::= <<
<tokenRefBang(...)>
<if(backtracking)> if (<actions.(actionScope).synpredgate>) <endif> stream_<token>.add(<label>);<\n>
>>

/** Match ^(label+=TOKEN ...) track for rewrite */
tokenRefRuleRootTrackAndListLabel(token, label, elementIndex, terminalOptions) ::= <<
<tokenRefRuleRootTrack(...)>
<listLabel(elem=label,...)>
>>

/** rule when output=AST and tracking for rewrite */

```

```

ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>stream_<rule.name>.add(<label>.tree);
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefTrack(...)>
<listLabel(label, {<label>.tree})>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>stream_<rule>.add(<label>.tree);
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRootTrack(...)>
<listLabel(label, {<label>.tree})>
>>

// R e w r i t e

rewriteCode(
alts, description,
referencedElementsDeep, // ALL referenced elements to right of ->
referencedTokenLabels,
referencedTokenListLabels,
referencedRuleLabels,
referencedRuleListLabels,
referencedWildcardLabels,
referencedWildcardListLabels,
rewriteBlockLevel, enclosingTreeLevel, treeLevel) ::=
<<

// AST REWRITE
// elements: <referencedElementsDeep; separator=", ">
// token labels: <referencedTokenLabels; separator=", ">
// rule labels: <referencedRuleLabels; separator=", ">
// token list labels: <referencedTokenListLabels; separator=", ">
// rule list labels: <referencedRuleListLabels; separator=", ">
// wildcard labels: <[referencedWildcardLabels,referencedWildcardListLabels]; separator=", ">
<if(backtracking)>
if (<actions.(actionScope).synpredgate>) {<\n>
<endif>
<prevRuleRootRef(>.tree = root_0;

```

```

<rewriteCodeLabels()>
root_0 = <ASTLabelType>(adaptor.nil());
<alts:rewriteAlt(); separator="else ">
<! if tree parser and rewrite=true !>
<if(TREE_PARSER)>
<if(rewriteMode)>
<prevRuleRootRef()>.tree = <ASTLabelType>(adaptor.rulePostProcessing(root_0));
input.replaceChildren(adaptor.getParent(retval.start),
 adaptor.getChildIndex(retval.start),
 adaptor.getChildIndex(_last),
 retval.tree);
<endif>
<endif>
<! if parser or tree-parser && rewrite!=true, we need to set result !>
<if(!TREE_PARSER)>
<prevRuleRootRef()>.tree = root_0;
<else>
<if(!rewriteMode)>
<prevRuleRootRef()>.tree = root_0;
<endif>
<endif>
<endif>
<endif>
<endif>
}
<endif>
>>

rewriteCodeLabels() ::= <<
<referencedTokenLabels
 :{it |var stream_<it>:RewriteRule<rewriteElementType>Stream=new
RewriteRule<rewriteElementType>Stream(adaptor,"token <it>",<it>)};
 separator="\n"
>
<referencedTokenListLabels
 :{it |var stream_<it>:RewriteRule<rewriteElementType>Stream=new
RewriteRule<rewriteElementType>Stream(adaptor,"token <it> ", list_<it>)};
 separator="\n"
>
<referencedWildcardLabels
 :{it |var stream_<it>:RewriteRuleSubtreeStream=new RewriteRuleSubtreeStream(adaptor,"wildcard
<it>",<it>)};
 separator="\n"
>
<referencedWildcardListLabels
 :{it |var stream_<it>:RewriteRuleSubtreeStream=new RewriteRuleSubtreeStream(adaptor,"wildcard
<it> ",list_<it>)};
 separator="\n"
>
<referencedRuleLabels

```

```

 :{it |var stream_<it>:RewriteRuleSubtreeStream=new RewriteRuleSubtreeStream(adaptor,"rule
<it>",<it>!=null?<it>.tree:null);};
 separator="\n"
>
<referencedRuleListLabels
 :{it |var stream_<it>:RewriteRuleSubtreeStream=new RewriteRuleSubtreeStream(adaptor,"token
<it>",list_<it>);};
 separator="\n"
>
>>

/** Generate code for an optional rewrite block; note it uses the deep ref'd element
 * list rather shallow like other blocks.
 */
rewriteOptionalBlock(
 alt,rewriteBlockLevel,
 referencedElementsDeep, // all nested refs
 referencedElements, // elements in immediately block; no nested blocks
 description) ::=
<<
// <fileName>:<description>
if (<referencedElementsDeep:{el | stream_<el>.hasNext}; separator="||">) {
 <alt>
}
<referencedElementsDeep:{el | stream_<el>.reset();<n>}>
>>

rewriteClosureBlock(
 alt,rewriteBlockLevel,
 referencedElementsDeep, // all nested refs
 referencedElements, // elements in immediately block; no nested blocks
 description) ::=
<<
// <fileName>:<description>
while (<referencedElements:{el | stream_<el>.hasNext}; separator="||">) {
 <alt>
}
<referencedElements:{el | stream_<el>.reset();<n>}>
>>

rewritePositiveClosureBlock(
 alt,rewriteBlockLevel,
 referencedElementsDeep, // all nested refs
 referencedElements, // elements in immediately block; no nested blocks
 description) ::=
<<
if (!(<referencedElements:{el | stream_<el>.hasNext}; separator="||">)) {
 throw new RewriteEarlyExitException();
}

```

```

}
while (<referencedElements:{el | stream_<el>.hasNext}; separator="||">) {
 <alt>
}
<referencedElements:{el | stream_<el>.reset();<\n>}>
>>

rewriteAlt(a) ::= <<
// <a.description>
<if(a.pred)>
if (<a.pred>) {
 <a.alt>
}<\n>
<else>
{
 <a.alt>
}<\n>
<endif>
>>

/** For empty rewrites: "r : ... -> ;" */
rewriteEmptyAlt() ::= "root_0 = null;"

rewriteTree(root,children,description,enclosingTreeLevel,treeLevel) ::= <<
// <fileName>:<description>
{
var root_<treeLevel>:<ASTLabelType> = <ASTLabelType>(adaptor.nil());
<root:rewriteElement()>
<children:rewriteElement()>
adaptor.addChild(root_<enclosingTreeLevel>, root_<treeLevel>);
}<\n>
>>

rewriteElementList(elements) ::= "<elements:rewriteElement()>"

rewriteElement(e) ::= <<
<@pregen()>
<e.el>
>>

/** Gen ID or ID[args] */
rewriteTokenRef(token,elementIndex,terminalOptions,args) ::= <<
adaptor.addChild(root_<treeLevel>, <createRewriteNodeFromElement(...)>);<\n>
>>

/** Gen $label ... where defined via label=ID */
rewriteTokenLabelRef(label,elementIndex) ::= <<
adaptor.addChild(root_<treeLevel>, stream_<label>.nextNode());<\n>

```

```

>>

/** Gen $label ... where defined via label+=ID */
rewriteTokenListLabelRef(label,elementIndex) ::= <<
adaptor.addChild(root_<treeLevel>, stream_<label>.nextNode());<\n>
>>

/** Gen ^($label ...) */
rewriteTokenLabelRefRoot(label,elementIndex) ::= <<
root_<treeLevel> = <ASTLabelType>(adaptor.becomeRoot(stream_<label>.nextNode(), root_<treeLevel>));<\n>
>>

/** Gen ^($label ...) where label+=... */
rewriteTokenListLabelRefRoot ::= rewriteTokenLabelRefRoot

/** Gen ^(ID ...) or ^(ID[args] ...) */
rewriteTokenRefRoot(token,elementIndex,terminalOptions,args) ::= <<
root_<treeLevel> = <ASTLabelType>(adaptor.becomeRoot(<createRewriteNodeFromElement(...)>,
root_<treeLevel>));<\n>
>>

rewriteImaginaryTokenRef(args,token,terminalOptions,elementIndex) ::= <<
adaptor.addChild(root_<treeLevel>, <createImaginaryNode(token,terminalOptions,args)>);<\n>
>>

rewriteImaginaryTokenRefRoot(args,token,terminalOptions,elementIndex) ::= <<
root_<treeLevel> = <ASTLabelType>(adaptor.becomeRoot(<createImaginaryNode(token,terminalOptions,args)>,
root_<treeLevel>));<\n>
>>

/** plain -> {foo} action */
rewriteAction(action) ::= <<
root_0 = <action>;<\n>
>>

/** What is the name of the previous value of this rule's root tree? This
* let's us refer to $rule to mean previous value. I am reusing the
* variable 'tree' sitting in retval struct to hold the value of root_0 right
* before I set it during rewrites. The assign will be to retval.tree.
*/
prevRuleRootRef() ::= "retval"

rewriteRuleRef(rule) ::= <<
adaptor.addChild(root_<treeLevel>, stream_<rule>.nextTree());<\n>
>>

rewriteRuleRefRoot(rule) ::= <<
root_<treeLevel> = <ASTLabelType>(adaptor.becomeRoot(stream_<rule>.nextNode(), root_<treeLevel>));<\n>

```



```

>>

rewriteNodeAction(action) ::= <<
adaptor.addChild(root_<treeLevel>, <action>);<\n>
>>

rewriteNodeActionRoot(action) ::= <<
root_<treeLevel> = <ASTLabelType>(adaptor.becomeRoot(<action>, root_<treeLevel>));<\n>
>>

/** Gen $ruleLabel ... where defined via ruleLabel=rule */
rewriteRuleLabelRef(label) ::= <<
adaptor.addChild(root_<treeLevel>, stream_<label>.nextTree());<\n>
>>

/** Gen $ruleLabel ... where defined via ruleLabel+=rule */
rewriteRuleListLabelRef(label) ::= <<
adaptor.addChild(root_<treeLevel>, stream_<label>.nextTree());<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel=rule */
rewriteRuleLabelRefRoot(label) ::= <<
root_<treeLevel> = <ASTLabelType>(adaptor.becomeRoot(stream_<label>.nextNode(), root_<treeLevel>));<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel+=rule */
rewriteRuleListLabelRefRoot(label) ::= <<
root_<treeLevel> = <ASTLabelType>(adaptor.becomeRoot(stream_<label>.nextNode(), root_<treeLevel>));<\n>
>>

rewriteWildcardLabelRef(label) ::= <<
adaptor.addChild(root_<treeLevel>, stream_<label>.nextTree());<\n>
>>

createImaginaryNode(tokenType,terminalOptions,args) ::= <<
<if(terminalOptions.node)>
<! new MethodNode(IDLabel, args) !>
new <terminalOptions.node>(<tokenType><if(args)>, <args; separator=","><endif>)
<else>
<ASTLabelType>(adaptor.create(<tokenType>, <args; separator=","><if(!args)>"<tokenType>"<endif>))
<endif>
>>

createRewriteNodeFromElement(token,terminalOptions,args) ::= <<
<if(terminalOptions.node)>
new <terminalOptions.node>(stream_<token>.nextToken(<if(args)>, <args; separator=","><endif>))
<else>

```

```
<if(args)> <! must create new node from old !>
adaptor.create(<token>, <args; separator=", ">)
<else>
stream_<token>.nextNode()
<endif>
<endif>
>>
```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/ActionScript/AST.stg
```

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```
/*
```

```
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```

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```

```
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```

```
*/
```

```
/** How to generate rules derived from left-recursive rules.
```

```
* These rely on recRuleDefArg(), recRuleAltPredicate(),
```

```
* recRuleArg(), recRuleSetResultAction(), recRuleSetReturnAction()
```

```
* templates in main language.stg
```

```
*/
```

```
group LeftRecursiveRules;
```

```

recRuleName(ruleName) ::= "<ruleName>_"
recPrimaryName(ruleName) ::= "<ruleName>_primary"

recRuleStart(ruleName, minPrec, userRetvals, userRetvalAssignments) ::= <<
<ruleName><if(userRetvals)> returns [<userRetvals>]<endif>
: <recRuleName(...)>[<minPrec>]
 <if(userRetvals)>
 {
 <userRetvalAssignments; separator="\n">
 }
 <endif>
;
>>

recRule(ruleName, precArgDef, argName, alts, setResultAction, buildAST,
 userRetvals, userRetvalAssignments) ::= <<
<recRuleName(...)>[<precArgDef>]<if(userRetvals)> returns [<userRetvals>]<endif>
: <recPrimaryName(...)>
 <if(buildAST)>
 {
 <setResultAction>
 }
 <endif>
 <if(userRetvals)>
 {
 <userRetvalAssignments; separator="\n">
 }
 <endif>
 (options { backtrack=false;}
 : (options { backtrack=false;}
 : <alts; separator="\n | ">
)
)*)
;
>>

recPrimaryRule(ruleName, alts, userRetvals) ::= <<
<recPrimaryName(...)><if(userRetvals)> returns [<userRetvals>]<endif>
options { backtrack=true;}
: <alts; separator="\n | ">
;
>>

recRuleAlt(alt, pred) ::= "{<pred>}?=> <alt>"

recRuleRef(ruleName, arg) ::= "<recRuleName(...)>[<arg>]"

```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/LeftRecursiveRules.stg
```

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```
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```

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* [The "BSD license"]
```

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```

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```

```
*
```

```
* Conversion to C#:
```

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```
*
```

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```

```
*/
```

```
/** Template overrides to add debugging to normal Java output;
```

```
* If ASTs are built, then you'll also get ASTDbg.stg loaded.
```

```
*/
```

```
@outputFile.imports() ::= <<
```

```
<@super.imports(>
```

```
using Antlr.Runtime.Debug;
```

```
using IOException = System.IO.IOException;
```

```
>>
```

```
@genericParser.members() ::= <<
```

```
<if(grammar.grammarIsRoot)>
```

```
public static readonly string[] ruleNames =
```

```

new string[]
{
 "invalidRule", <grammar.allImportedRules:{rST | "<rST.name>" }; wrap="\n ", separator=", ">
};<\n>
<endif>
<if(grammar.grammarIsRoot)><! grammar imports other grammar(s) !>
int ruleLevel = 0;
public virtual int RuleLevel { get { return ruleLevel; } }
public virtual void IncRuleLevel() { ruleLevel++; }
public virtual void DecRuleLevel() { ruleLevel--; }
<if(profile)>
<ctorForProfilingRootGrammar()>
<else>
<ctorForRootGrammar()>
<endif>
<ctorForPredefinedListener()>
<else><! imported grammar !>
public int RuleLevel { get { return <grammar.delegators:{g| <g.delegateName()>>.RuleLevel; } } }
public void IncRuleLevel() { <grammar.delegators:{g| <g.delegateName()>>.IncRuleLevel(); } }
public void DecRuleLevel() { <grammar.delegators:{g| <g.delegateName()>>.DecRuleLevel(); } }
<ctorForDelegateGrammar()>
<endif>
<if(profile)>
public override bool AlreadyParsedRule(IIntStream input, int ruleIndex)
{
 int stopIndex = GetRuleMemoization(ruleIndex, input.Index);
 ((Profiler)dbg).ExamineRuleMemoization(input, ruleIndex, stopIndex,
 <grammar.composite.rootGrammar.recognizerName>.ruleNames[ruleIndex]);
 return base.AlreadyParsedRule(input, ruleIndex);
}<\n>
public override void Memoize(IIntStream input, int ruleIndex, int ruleStartIndex)
{
 ((Profiler)dbg).Memoize(input, ruleIndex, ruleStartIndex,
 <grammar.composite.rootGrammar.recognizerName>.ruleNames[ruleIndex]);
 base.Memoize(input, ruleIndex, ruleStartIndex);
}<\n>
<endif>
protected virtual bool EvalPredicate(bool result, string predicate)
{
 dbg.SemanticPredicate(result, predicate);
 return result;
}<\n>
>>

ctorForRootGrammar() ::= <<
<! bug: can't use <@super.members()> cut-n-paste instead !>
<! Same except we add port number and profile stuff if root grammar !>
<actions.(actionScope).ctorModifier; null="public"> <name>(<inputStreamType> input)

```

```

: this(input, DebugEventSocketProxy.DefaultDebuggerPort, new RecognizerSharedState())
{
}
<actions.(actionScope).ctorModifier; null="public"> <name>(<inputStreamType> input, int port,
RecognizerSharedState state)
: base(input, state)
{
<createListenerAndHandshake()>
<grammar.directDelegates:{g|<g:delegateName()> = new <g.recognizerName>(input, dbg, this.state,
this<grammar.delegates:{g|, <g:delegateName()>> }>);}; separator="\n">
<parserCtorBody()>
<@finally()>
}<\n>
>>

ctorForProfilingRootGrammar() ::= <<
<! bug: can't use <@super.members()> cut-n-paste instead !>
<actions.(actionScope).ctorModifier; null="public"> <name>(<inputStreamType> input)
: this(input, new Profiler(null), new RecognizerSharedState())
{
}
<actions.(actionScope).ctorModifier; null="public"> <name>(<inputStreamType> input, IDebugEventListener dbg,
RecognizerSharedState state)
: base(input, dbg, state)
{
Profiler p = (Profiler)dbg;
p.setParser(this);
<grammar.directDelegates:
{g|<g:delegateName()> = new <g.recognizerName>(input, dbg, this.state, this<grammar.delegates:{g|,
<g:delegateName()>> }>);}; separator="\n">
<parserCtorBody()>
<@finally()>
}
}<\n>
>>

/** Basically we don't want to set any dbg listeners are root will have it. */
ctorForDelegateGrammar() ::= <<
<actions.(actionScope).ctorModifier; null="public"> <name>(<inputStreamType> input, IDebugEventListener dbg,
RecognizerSharedState state<grammar.delegates:{g|, <g.recognizerName> <g:delegateName()>> }>)
: base(input, dbg, state)
{
<grammar.directDelegates:
{g|<g:delegateName()> = new <g.recognizerName>(input, this, this.state<grammar.delegates:{g|,
<g:delegateName()>> }>);}; separator="\n">
<parserCtorBody()>
}<\n>
>>

```

```

ctorForPredefinedListener() ::= <<
<actions.(actionScope).ctorModifier; null="public"> <name>(<inputStreamType> input, IDebugEventListener dbg
)
<@superClassRef>: base(input, dbg, new RecognizerSharedState())<@end>
{
<if(profile)>
Profiler p = (Profiler)dbg;
p.setParser(this);
<endif>
<grammar.directDelegates:{g|<g:delegateName()> = new <g.recognizerName>(input, dbg, this.state,
this<grammar.delegators:{g|, <g:delegateName()>>});}; separator="\n">
<parserCtorBody()>
<@finally()>
}<\n>
>>

```

```

createListenerAndHandshake() ::= <<
<if(TREE_PARSER)>
DebugEventSocketProxy proxy = new DebugEventSocketProxy(this, port, input.TreeAdaptor);<\n>
<else>
DebugEventSocketProxy proxy = new DebugEventSocketProxy(this, port, null);<\n>
<endif>
DebugListener = proxy;
try
{
proxy.Handshake();
}
catch (IOException ioe)
{
ReportError(ioe);
}
>>

```

```
@genericParser.superClassName() ::= "Debug<@super.superClassName()>"
```

```

/*
* Much of the following rules were merged into CSharp3.stg.
*/

```

```

@rule.preamble() ::= <<
if (RuleLevel == 0)
DebugListener.Commence();
IncRuleLevel();
>>

```

```

//@rule.preamble() ::= <<
//try
//{

```

```

// dbg.EnterRule(GrammarFileName, "<ruleName>");
// if (RuleLevel == 0)
// {
// dbg.Commence();
// }
// IncRuleLevel();
// dbg.Location(<ruleDescriptor.tree.line>, <ruleDescriptor.tree.charPositionInLine>);<\n>
//>>

@rule.postamble() ::= <<
DecRuleLevel();
if (RuleLevel == 0)
 DebugListener.Terminate();
>>

//@rule.postamble() ::= <<
//dbg.Location(<ruleDescriptor.EORNode.line>, <ruleDescriptor.EORNode.charPositionInLine>);<\n>
//}
//finally
//{
// dbg.ExitRule(GrammarFileName, "<ruleName>");
// DecRuleLevel();
// if (RuleLevel == 0)
// {
// dbg.Terminate();
// }
//}<\n>
//>>

//@insertSynpreds.start() ::= "dbg.BeginBacktrack(state.backtracking);"
//@insertSynpreds.stop() ::= "dbg.EndBacktrack(state.backtracking, success);"

// Common debug event triggers used by region overrides below

//enterSubRule() ::= <<
//try
//{
// dbg.EnterSubRule(<decisionNumber>);<\n>
//>>

//exitSubRule() ::= <<
//}
//finally
//{
// dbg.ExitSubRule(<decisionNumber>);
//}<\n>
//>>

//enterDecision() ::= <<

```



```

//try
//{{
// dbg.EnterDecision(<decisionNumber>);<n>
//>>

//exitDecision() ::= <<
//}
//finally
//{{
// dbg.ExitDecision(<decisionNumber>);
//}<n>
//>>

//enterAlt(n) ::= "dbg.EnterAlt(<n>);<n>"

// Region overrides that tell various constructs to add debugging triggers

//@block.predecision() ::= "<enterSubRule()><enterDecision()>"

//@block.postdecision() ::= "<exitDecision()>"

//@block.postbranch() ::= "<exitSubRule()>"

//@ruleBlock.predecision() ::= "<enterDecision()>"

//@ruleBlock.postdecision() ::= "<exitDecision()>"

//@ruleBlockSingleAlt.preal() ::= "<enterAlt(n=\"1\")>"

//@blockSingleAlt.preal() ::= "<enterAlt(n=\"1\")>"

//@positiveClosureBlock.preloop() ::= "<enterSubRule()>"

//@positiveClosureBlock.postloop() ::= "<exitSubRule()>"

//@positiveClosureBlock.predecision() ::= "<enterDecision()>"

//@positiveClosureBlock.postdecision() ::= "<exitDecision()>"

//@positiveClosureBlock.earlyExitException() ::=
// "dbg.RecognitionException(eee<decisionNumber>);<n>"

//@closureBlock.preloop() ::= "<enterSubRule()>"

//@closureBlock.postloop() ::= "<exitSubRule()>"

//@closureBlock.predecision() ::= "<enterDecision()>"

```

```

//@closureBlock.postdecision() ::= "<exitDecision>"

//@altSwitchCase.preatt() ::= "<enterAlt(n=i)>"

//@element.prematch() ::=
// "dbg.Location(<it.line>, <it.pos>);"

//@matchSet.mismatchedSetException() ::=
// "dbg.RecognitionException(mse);"

//@dfaState.noViableAltException() ::= "dbg.RecognitionException(nvae);"

//@dfaStateSwitch.noViableAltException() ::= "dbg.RecognitionException(nvae);"

dfaDecision(decisionNumber,description) ::= <<
//try
//{
// isCyclicDecision = true;
// <super.dfaDecision(...)>
//}
//catch (NoViableAltException nvae)
//{
// dbg.RecognitionException(nvae);
// throw nvae;
//}
//>>

//@cyclicDFA.errorMethod() ::= <<
//public override void Error(NoViableAltException nvae)
//{
// ((DebugParser)recognizer).dbg.RecognitionException(nvae);
//}
//>>

/** Force predicate validation to trigger an event */
evalPredicate(pred,description) ::= <<
EvalPredicate(<pred>, "<description>")
>>

Found in path(s):
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/CSharp3/Dbg.stg
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```

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```
*/
```

```
/** Template subgroup to add template rewrite output
```

```
* If debugging, then you'll also get STDbg.stg loaded.
```

```
*/
```

```
@outputFile.imports() ::= <<
```

```
<@super.imports(>
```

```
import org.stringtemplate.v4.*;
```

```
import java.util.HashMap;
```

```
>>
```

```
/** Add this to each rule's return value struct */
```

```
@returnScope.ruleReturnMembers() ::= <<
```

```
/* ST returnScope.ruleReturnMembers -- empty */
```

```
>>
```

```
/** Add this to each rule's return value struct */
```

```
@returnScope.ruleReturn.memvars() ::= <<
```

```
ST *st;
```

```
>>
```

```
/** Add this to each rule's return value struct */
```

```
@returnScope.ruleReturn.properties() ::= <<
```

```
@property (retain) ST *st;
```

```
>>
```

```

/** Add this to each rule's return value struct */
@returnScope.ruleReturn.methodsDecl() ::= <<
- (ST *)getTemplate;
- (NSString *)toString;
>>

/** Add this to each rule's return value struct */
@returnScope.ruleReturn.synthesize() ::= <<
@synthesize st;
>>

/** Add this to each rule's return value struct */
@returnScope.ruleReturn.methods() ::= <<
- (ST *)getTemplate { return st; }
- (NSString *)toString { return st==nil?nil:[st render]; }
>>

@genericParser.members() ::= <<
<@super.members()>
STGroup *templateLib = [STGroup newSTGroup];

- (void)setTemplateLib:(STGroup *)aTemplateLib
{
 self.templateLib = aTemplateLib;
}

- (STGroup *)getTemplateLib
{
 return templateLib;
}
>>

@genericParserHeaderFile.memVars() ::= <<
<@super.memVars()>
/* ST genericParserHeaderFile.memVars -- empty now */
STGroup *templateLib; /* ST -- really a part of STAttrMap */
>>

@genericParserHeaderFile.properties() ::= <<
<@super.properties()>
/* ST genericParser.properties */
@property (retain, getter=getTemplateLib, setter=setTemplateLib:) STGroup *templateLib;
>>

@genericParserHeaderFile.methodsDecl() ::= <<
<@super.methodsDecl()>
/* ST genericParser.methodsDecl */
- init;

```

```
- (STGroup *) getTemplateLib;
- (void) setTemplateLib:(STGroup *)aTemplateLib;
@end
>>
```

```
@genericParser.synthesize() ::= <<
<@super.synthesize()>
/* ST genericParserImplementation.synthesize */
@synthesize templateLib;
>>
```

```
@genericParser.methods() ::= <<
<@super.methods()>
/* ST genericParser.methods */
```

```
- (STGroup *)getTemplateLib
{
 return templateLib;
}
```

```
- (void) setTemplateLib:(STGroup *)aTemplateLib
{
 templateLib = aTemplateLib;
}
```

```
>>
```

```
@genericParser.members() ::= <<
<@super.members()>
STGroup *templateLib = [STGroup newSTGroup];
```

```
- (STGroup *) getTemplateLib
{
 return templateLib;
}
```

```
- (void) setTemplateLib:(STGroup *) templateLib
{
 this.templateLib = templateLib;
}
```

```
/** x+=rule when output=template */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(rule,label,elementIndex,args,scope)>
<listLabel(label, { [<label> getTemplate]; })>
>>
```

```
rewriteTemplate(alts) ::= <<
```

```

// TEMPLATE REWRITE
<if(backtracking)>
if (<actions.(actionScope).synpredgate>) {
 <alts:rewriteTemplateAlt(); separator="else ">
 <if(rewriteMode)><replaceTextInLine()><endif>
}
<else>
<alts:rewriteTemplateAlt(); separator="else ">
<if(rewriteMode)><replaceTextInLine()><endif>
<endif>
>>

replaceTextInLine() ::= <<
<if(TREE_PARSER)>
 [((TokenRewriteStream)input getTokenStream)]
 replaceFromIndex:[input getTreeAdaptor] getTokenStartIndex:retval.start]
 ToIndex:[input getTreeAdaptor] getTokenStopIndex:retval.start]
 Text:[retval.st render]];
<else>
 [((TokenRewriteStream)input)
 replaceFromIndex:[((Token)retval.start) getTokenIndex]
 ToIndex:[input LT:-1] getTokenIndex]
 Text:[retval.st render]];
<endif>
>>

rewriteTemplateAlt(alt) ::= <<
// <alt.description>
<if(alt.pred)>
if (<alt.pred>) {
 retval.st = <alt.alt>;
}<\n>
<else>
{
 retval.st = <alt.alt>;
}<\n>
<endif>
>>

rewriteEmptyTemplate(alts) ::= <<
nil;
>>

/** Invoke a template with a set of attribute name/value pairs.
* Set the value of the rule's template *after* having set
* the attributes because the rule's template might be used as
* an attribute to build a bigger template; you get a self-embedded

```

```

* template.
*/
rewriteExternalTemplate(name,args) ::= <%
<if(args)><args:{ a | []}><endif>
[templateLib getInstanceOf:@"<name>"]
<if(args)><args:{ a | add:@"<a.name>" value:<a.value>}]><endif>;
%>

/** expr is a string expression that says what template to load */
rewriteIndirectTemplate(expr,args) ::= <%
<if(args)><args:{ a | []}><endif>
[templateLib getInstanceOf:<expr>];
<if(args)><args:{ a | add:@"<a.name>" value:<a.value>}]><endif>;
%>

/** Invoke an inline template with a set of attribute name/value pairs */
rewriteInlineTemplate(args, template) ::= <%
<if(args)><args:{ a | []}><endif>
[ST newST:templateLib template:"<template>"]
<if(args)><args:{ a | add:@"<a.name>" <a.value>}]><endif>;
%>

/** plain -> {foo} action */
rewriteAction(action) ::= <<
<action>
>>

/** An action has %st.attrName=expr; or % {st}.attrName=expr; */
actionSetAttribute(st,attrName,expr) ::= <<
[(<st>) setAttribute:@"<attrName>" value:<expr>];
>>

/** Translate %{stringExpr} */
actionStringConstructor(stringExpr) ::= <<
[ST newST:templateLib template:<stringExpr>];
>>

```

Found in path(s):

```

* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/ObjC/ST4ObjC.stg

```

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 \*/

```
dfa(decisionRanks,states,edges,rankdir,startState,useBox) ::= <<
digraph NFA {
<if(rankdir)>rankdir=<rankdir>;<endif>
<decisionRanks; separator="\n">
<states; separator="\n">
<edges; separator="\n">
}
>>
```

```
nfa(decisionRanks,states,edges,rankdir,startState) ::= <<
digraph NFA {
rankdir=LR;
<decisionRanks; separator="\n">
<states; separator="\n">
<edges; separator="\n">
}
>>
```

```
decision-rank(states) ::= <<
{rank=same; rankdir=TB; <states; separator="; ">}
>>
```



```
edge(src,target,label,arrowhead) ::= <<
<src> -> <target> [fontsize=11, fontname="Courier", arrowsize=.7, label = "<label>"<if(arrowhead)>, arrowhead =
<arrowhead><endif>];
>>
```

```
action-edge(src,target,label,arrowhead) ::= <<
<src> -> <target> [fontsize=11, fontname="Courier", arrowsize=.7, label = "<label>"<if(arrowhead)>, arrowhead =
<arrowhead><endif>];
>>
```

```
epsilon-edge(src,target,label,arrowhead) ::= <<
<src> -> <target> [fontname="Times-Italic", label = "e"];
>>
```

```
state(name,useBox) ::= <<
node [fontsize=11, shape = <if(useBox)>box<else>circle, fixedsize=true, width=.4<endif>]; <name>
>>
```

```
stopstate(name,useBox) ::= <<
node [fontsize=11, shape = <if(useBox)>polygon,sides=4,peripheries=2<else>doublecircle, fixedsize=true,
width=.6<endif>]; <name>
>>
```

Found in path(s):

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/templates/dot/dot.stg  
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\*/

/\*\* Templates for building ASTs during tree parsing.

\*

\* Deal with many combinations. Dimensions are:

\* Auto build or rewrite

\* no label, label, list label (label/no-label handled together)

```

* child, root
* token, set, rule, wildcard
*
* Each combination has its own template except that label/no label
* is combined into tokenRef, ruleRef, ...
*/
/** Add a variable to track last element matched */
ruleDeclarations() ::= <<
<super.ruleDeclarations()>
<ASTLabelType> _last;<\n>
<ASTLabelType> _first_0;<\n>
>>

/** Add a variable to track last element matched */
ruleInitializations() ::= <<
<super.ruleInitializations()>
_last = NULL;<\n>
_first_0 = NULL;<\n>
>>

/** What to emit when there is no rewrite rule. For auto build
* mode, does nothing.
*/
noRewrite(rewriteBlockLevel, treeLevel) ::= <<
<if(backtracking)>if (BACKTRACKING ==0) {<endif>
<if(rewriteMode)>
retval.tree = (<ASTLabelType>)_first_0;
if (ADAPTOR->getParent(ADAPTOR, retval.tree) != NULL && ADAPTOR->isNilNode(ADAPTOR,
ADAPTOR->getParent(ADAPTOR, retval.tree)))
{
 retval.tree = (<ASTLabelType>)ADAPTOR->getParent(ADAPTOR, retval.tree);
}
<endif>
<if(backtracking)>}<endif>
>>

/** match ^(root children) in tree parser; override here to
* add tree construction actions.
*/
tree(root, actionsAfterRoot, children, nullableChildList,
 enclosingTreeLevel, treeLevel) ::= <<
_last = (<ASTLabelType>)LT(1);
{
<ASTLabelType> _save_last_<treeLevel>;
<ASTLabelType> _first_<treeLevel>;
<if(!rewriteMode)>
<ASTLabelType> root_<treeLevel>;
<endif>

```

```

_save_last_<treeLevel> = _last;
first<treeLevel> = NULL;
<if(!rewriteMode)>
root_<treeLevel> = (<ASTLabelType>)(ADAPTOR->nilNode(ADAPTOR));
<endif>
<root:element()>
<if(rewriteMode)>
<if(backtracking)>if (BACKTRACKING ==0) {<endif>
<if(root.el.rule)>
if (_first_<enclosingTreeLevel> == NULL) _first_<enclosingTreeLevel> = <root.el.label>.tree;
<else>
if (_first_<enclosingTreeLevel> == NULL) _first_<enclosingTreeLevel> = <root.el.label>;
<endif>
<if(backtracking)>}<endif>
<endif>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if (LA(1)==ANTLR3_TOKEN_DOWN) {
 MATCHT(ANTLR3_TOKEN_DOWN, NULL);
 <children:element()>
 MATCHT(ANTLR3_TOKEN_UP, NULL);
}
<else>
MATCHT(ANTLR3_TOKEN_DOWN, NULL);
<children:element()>
MATCHT(ANTLR3_TOKEN_UP, NULL);
<endif>
<if(!rewriteMode)>
ADAPTOR->addChild(ADAPTOR, root_<enclosingTreeLevel>, root_<treeLevel>);
<endif>
_last = _save_last_<treeLevel>;
}<\n>
>>

```

```
// TOKEN AST STUFF
```

```

/** ID! and output=AST (same as plain tokenRef) 'cept add
 * setting of _last
 */
tokenRefBang(token,label,elementIndex,terminalOptions) ::= <<
_last = (<ASTLabelType>)LT(1);
<super.tokenRef(...)>
>>

```

```

/** ID auto construct */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
_last = (<ASTLabelType>)LT(1);
<super.tokenRef(...)>

```

```

<if(!rewriteMode)>
<if(backtracking)>if (BACKTRACKING ==0) {<endif>
<if(terminalOptions.node)>
<label>_tree = <terminalOptions.node>New(<label>);
<else>
<label>_tree = (<ASTLabelType>)ADAPTOR->dupNode(ADAPTOR, <label>);
<endif>
ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, <label>_tree);
<if(backtracking)>}<endif>
<else>
<if(backtracking)>if (BACKTRACKING ==0) {<endif>
if (_first_<treeLevel> == NULL) _first_<treeLevel> = <label>;
<if(backtracking)>}<endif>
<endif>
>>

/** label+=TOKEN auto construct */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

/** ^(ID ...) auto construct */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions) ::= <<
_last = (<ASTLabelType>)LT(1);
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if (BACKTRACKING == 0) {<endif>
<if(terminalOptions.node)>
<label>_tree = <terminalOptions.node>New(<label>);
<else>
<label>_tree = (<ASTLabelType>)ADAPTOR->dupNode(ADAPTOR, <label>);
<endif><\n>
root_<treeLevel> = (<ASTLabelType>)ADAPTOR->becomeRoot(ADAPTOR, <label>_tree, root_<treeLevel>);
<if(backtracking)>}<endif>
<endif>
>>

/** Match ^(label+=TOKEN ...) auto construct */
tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefRuleRoot(...)>
<listLabel(elem=label,...)>
>>

/** Match . wildcard and auto dup the node/subtree */
wildcard(token,label,elementIndex,terminalOptions) ::= <<
_last = (<ASTLabelType>)LT(1);
<super.wildcard(...)>

```

```

<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<label>_tree = (<ASTLabelType>)ADAPTOR->dupTree(ADAPTOR, <label>);
ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, <label>_tree);
<if(backtracking)>}<endif>
<else> <! rewrite mode !>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)<endif>
if (_first_<treeLevel>==null) _first_<treeLevel> = <label>;
<endif>
>>

// SET AST

matchSet(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
_last = (<ASTLabelType>)LT(1);
<super.matchSet(postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if (BACKTRACKING == 0) {<endif>
<if(terminalOptions.node)>
<label>_tree = <terminalOptions.node>New(<label>);
<else>
<label>_tree = (<ASTLabelType>)ADAPTOR->dupNode(ADAPTOR, <label>);
<endif><\n>
ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, <label>_tree);
<if(backtracking)>}\}<endif>
<endif>
}
,...)>
>>

matchRuleBlockSet(s,label,terminalOptions,elementIndex,postmatchCode,treeLevel="0") ::= <<
<matchSet(...)>
<noRewrite()> <! set return tree !>
>>

matchSetBang(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
_last = (<ASTLabelType>)LT(1);
<super.matchSet(...)>
>>

matchSetRuleRoot(s,label,terminalOptions,elementIndex,debug) ::= <<
<super.matchSet(postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
<label>_tree = <terminalOptions.node>New(<label>);
<else>
<label>_tree = (<ASTLabelType>)ADAPTOR->dupNode(ADAPTOR, <label>);

```

```

<endif>
root_<treeLevel> = (<ASTLabelType>)ADAPTOR->becomeRoot(ADAPTOR, <label>_tree, root_<treeLevel>);
<if(backtracking)>\}<endif>
<endif>
}, ...
)>
>>

// RULE REF AST

/** rule auto construct */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
_last = (<ASTLabelType>)LT(1);
<super.ruleRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)
{
<endif>
<if(!rewriteMode)>
ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, <label>.tree);
<else>
if (_first_<treeLevel> == NULL) _first_<treeLevel> = <label>.tree;
<endif>
<if(backtracking)>\}<endif>
>>

/** x+=rule auto construct */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<super.listLabelAST(elem=label,...)>
>>

/** ^(rule ...) auto construct */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
_last = (<ASTLabelType>)LT(1);
<super.ruleRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if ((<actions.(actionScope).synpredgate>)) <endif>root_<treeLevel> =
(<ASTLabelType>)(ADAPTOR->becomeRoot(ADAPTOR, <label>.tree, root_<treeLevel>));
<endif>
>>

/** ^(x+=rule ...) auto construct */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<super.listLabelAST(elem=label,...)>
>>

/** rule when output=AST and tracking for rewrite */

```

```

ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
 _last = (<ASTLabelType>)LT(1);
 <super.ruleRefTrack(...)>
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
 _last = (<ASTLabelType>)LT(1);
 <super.ruleRefTrackAndListLabel(...)>
>>
/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
 _last = (<ASTLabelType>)LT(1);
 <super.ruleRefRootTrack(...)>
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
 _last = (<ASTLabelType>)LT(1);
 <super.ruleRefRuleRootTrackAndListLabel(...)>
>>

/** Streams for token refs are tree nodes now; override to
 * change nextToken to nextNode.
 */
createRewriteNodeFromElement(token,terminalOptions,scope) ::= <<
 <if(terminalOptions.node)>
 <terminalOptions.node>New(stream_<token>->nextNode(stream_<token>))
 <else>
 stream_<token>->nextNode(stream_<token>)
 <endif>
>>

ruleCleanUp() ::= <<
 <super.ruleCleanUp(...)>
 <if(backtracking)>
 if (<actions.(actionScope).synpredgate>) {<\n>
 <endif>
 <if(!ruleDescriptor.isSynPred)>
 retval.stop = LT(-1);<\n>
 <endif>
 retval.tree = (<ASTLabelType>)ADAPTOR->rulePostProcessing(ADAPTOR, root_0);
 <if(backtracking)>
 }
 <endif>
 <ruleDescriptor.allTokenRefsInAltsWithRewrites
 :{if (stream_<it> != NULL) stream_<it>->free(stream_<it>);}; separator="\n">

```



```
<ruleDescriptor.allRuleRefsInAltsWithRewrites
 :{if (stream_<it> != NULL) stream_<it>->free(stream_<it>);}; separator="\n">
>>
```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
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```

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```
*/
```

```
/** Templates for building ASTs during normal parsing.
```

```
*
```

```
* Deal with many combinations. Dimensions are:
```

```
* Auto build or rewrite
```

```
* no label, label, list label (label/no-label handled together)
```

```
* child, root
```

```
* token, set, rule, wildcard
```

```
*
```

\* The situation is not too bad as rewrite (->) usage makes ^ and !  
 \* invalid. There is no huge explosion of combinations.  
 \*/

```
@rule.setErrorReturnValue() ::= <<
retval.tree = (<ASTLabelType>)(ADAPTOR->errorNode(ADAPTOR, INPUT, retval.start, LT(-1), EXCEPTION));
>>
```

// TOKEN AST STUFF

/\*\* ID and output=AST \*/

```
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
<super.tokenRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<label>_tree = (<ASTLabelType>)(ADAPTOR->create(ADAPTOR, <label>));
ADAPTOR->addChild(ADAPTOR, root_0, <label>_tree);
<if(backtracking)>}<endif>
>>
```

/\*\* ID! and output=AST (same as plain tokenRef) \*/

```
tokenRefBang(token,label,elementIndex,terminalOptions) ::= "<super.tokenRef(...)>"
```

/\*\* ID^ and output=AST \*/

```
tokenRefRuleRoot(token,label,elementIndex,terminalOptions) ::= <<
<super.tokenRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<label>_tree = <createNodeFromToken(...)>;
root_0 = (<ASTLabelType>)(ADAPTOR->becomeRoot(ADAPTOR, <label>_tree, root_0));
<if(backtracking)>}<endif>
>>
```

/\*\* ids+=ID! and output=AST \*/

```
tokenRefBangAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefBang(...)>
<listLabel(elem=label,...)>
>>
```

/\*\* label+=TOKEN when output=AST but not rewrite alt \*/

```
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>
```

/\*\* Match label+=TOKEN^ when output=AST but not rewrite alt \*/

```
tokenRefRuleRootAndListLabel(token,label,terminalOptions,elementIndex) ::= <<
<tokenRefRuleRoot(...)>
```

```

<listLabel(elem=label,...)>
>>

// SET AST

// the match set stuff is interesting in that it uses an argument list
// to pass code to the default matchSet; another possible way to alter
// inherited code. I don't use the region stuff because I need to pass
// different chunks depending on the operator. I don't like making
// the template name have the operator as the number of templates gets
// large but this is the most flexible--this is as opposed to having
// the code generator call matchSet then add root code or ruleroot code
// plus list label plus ... The combinations might require complicated
// rather than just added on code. Investigate that refactoring when
// I have more time.

matchSet(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
<super.matchSet(postmatchCode={<if(backtracking)>if (<actions.(actionScope).synpredgate>)
<endif>ADAPTOR->addChild(ADAPTOR, root_0, <createNodeFromToken(...)>},...)>
>>

matchRuleBlockSet(s,label,terminalOptions,elementIndex,postmatchCode,treeLevel="0") ::= <<
<matchSet(...)>
>>

matchSetBang(s,label,elementIndex,terminalOptions,postmatchCode) ::= "<super.matchSet(...)>"

// note there is no matchSetTrack because -> rewrites force sets to be
// plain old blocks of alts: (A|B|...|C)

matchSetRuleRoot(s,label,terminalOptions,elementIndex,debug) ::= <<
<if(label)>
<label>=(<labelType>)LT(1);<\n>
<endif>
<super.matchSet(postmatchCode={<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>root_0 =
(<ASTLabelType>)(ADAPTOR->becomeRoot(ADAPTOR, <createNodeFromToken(...)>, root_0));},...)>
>>

// RULE REF AST

/** rule when output=AST */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>ADAPTOR->addChild(ADAPTOR, root_0,
<label>.tree);
>>

/** rule! is same as normal rule ref */

```

```

ruleRefBang(rule,label,elementIndex,args,scope) ::= "<super.ruleRef(...)>"

/** rule^ */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>root_0 = (<ASTLabelType>)(ADAPTOR-
>becomeRoot(ADAPTOR, <label>.tree, root_0));
>>

/** x+=rule when output=AST */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabelAST(...)>
>>

/** x+=rule! when output=AST is a rule ref with list addition */
ruleRefBangAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefBang(...)>
<listLabelAST(...)>
>>

/** x+=rule^ */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<listLabelAST(...)>
>>

// WILDCARD AST

wildcard(token,label,elementIndex,terminalOptions) ::= <<
<super.wildcard(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<label>_tree = (<ASTLabelType>)(ADAPTOR->create(ADAPTOR, <label>));
ADAPTOR->addChild(ADAPTOR, root_0, <label>_tree);
<if(backtracking)>}<endif>
>>

wildcardBang(token,label,elementIndex,terminalOptions) ::= "<super.wildcard(...)>"

wildcardRuleRoot(label,elementIndex) ::= <<
<super.wildcard(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<label>_tree = (<ASTLabelType>)(ADAPTOR->create(ADAPTOR, <label>));
root_0 = (<ASTLabelType>)(ADAPTOR->becomeRoot(ADAPTOR, <label>_tree, root_0));
<if(backtracking)>}<endif>
>>

createNodeFromToken(label,terminalOptions) ::= <<

```

```

<if(terminalOptions.node)>
<terminalOptions.node>New(<label>) <! new MethodNode(IDLabel) !>
<else>
(<ASTLabelType>)(ADAPTOR->create(ADAPTOR, <label>))
<endif>
>>

ruleCleanUp() ::= <<
<super.ruleCleanUp()>
<if(backtracking)>
if (<actions.(actionScope).synpredgate>)
{<\n>
<endif>
<if(!ruleDescriptor.isSynPred)>
retval.stop = LT(-1);<\n>
<endif>
retval.tree = (<ASTLabelType>)(ADAPTOR->rulePostProcessing(ADAPTOR, root_0));
ADAPTOR->setTokenBoundaries(ADAPTOR, retval.tree, retval.start, retval.stop);
<ruleDescriptor.allTokenRefsInAltsWithRewrites
: {it | if (stream_<it> != NULL) stream_<it>->free(stream_<it>);}; separator="\n">
<ruleDescriptor.allRuleRefsInAltsWithRewrites
: {it | if (stream_<it> != NULL) stream_<it>->free(stream_<it>);}; separator="\n">
<if(backtracking)>
}<\n>
<endif>
>>

```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/C/ASTParser.stg
```

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```

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\*/

/\*

New style messages. This file contains the actual layout of the messages emitted by ANTLR.

The text itself is coming out of the languages/\*stg files, according to the chosen locale.

This file contains the default format ANTLR uses.

\*/

group antlr;

location(file, line, column) ::= "<file>:<line>:<column>:"

message(id, text) ::= "<id> <text>"

report(location, message, type) ::= "<type><message.id>: <location> <message.text>"

wantsSingleLineMessage() ::= "false"

Found in path(s):

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/templates/messages/formats/antlr.stg

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\*/

/\*\* Template overrides to add debugging to AST stuff. Dynamic inheritance

\* hierarchy is set up as ASTDbg : AST : Dbg : Java by code generator.

\*/

parserMembers() ::= <<

```
DebugTreeAdaptor *adaptor = [DebugTreeAdaptor newTreeAdaptor:(id)dbg Adaptor:[CommonTreeAdaptor
newTreeAdaptor]];
```

// fix this

- (void) setTreeAdaptor:(id<TreeAdaptor>)anAdaptor

{

```
 adaptor = [DebugTreeAdaptor newTreeAdaptor:dbg Adaptor:anAdaptor];
```

<if(grammar.grammarIsRoot)>

```
 adaptor = [DebugTreeAdaptor newTreeAdaptor:adaptor withDBG:dbg];
```

<else>

```
 adaptor = (DebugTreeAdaptor *)adaptor; // delegator sends dbg adaptor
```

<endif><\n>

```
 <grammar.directDelegates:{g[<g.delegateName()> setTreeAdaptor:adaptor];}>
```

}

- (id<TreeAdaptor>)getTreeAdaptor

{

```
 return adaptor;
```

}<\n>

>>

parserCtorBody() ::= <<

<super.parserCtorBody()>

>>

createListenerAndHandshake() ::= <<

DebugEventSocketProxy proxy =

```
 [DebugEventSocketProxy newDebugEventSocketProxy:self, port, <if(TREE_PARSER)>[input
getTreeAdaptor]<else>adaptor<endif>];
```

```
[self setDebugListener:proxy];
```

```
[self set<inputStreamType>:[Debug<inputStreamType> newDebug<inputStreamType>:input with:proxy]];
```

```
try {
```

```

 [proxy handshake];
 }
 @catch (IOException *ioe) {
 [self reportError:ioe];
 }
}
>>

```

```

@ctorForRootGrammar.finally() ::= <<
CommonTreeAdaptor *adap = [CommonTreeAdaptor newTreeAdaptor];
[self setTreeAdaptor:adap];
[proxy setTreeAdaptor:adap];
>>

```

```

@ctorForProfilingRootGrammar.finally() ::= <<
CommonTreeAdaptor *adap = [CommonTreeAdaptor newTreeAdaptor];
[self setTreeAdaptor:adap];
[proxy setTreeAdaptor:adap];
>>

```

```

@ctorForPredefinedListener.superClassRef() ::= @"super(input, dbg);"

```

```

@ctorForPredefinedListener.finally() ::= <<
<if(grammar.grammarIsRoot)> <! don't create new adaptor for delegates !>
CommonTreeAdaptor *adap = [CommonTreeAdaptor newTreeAdaptor];
[self setTreeAdaptor:adap];<\n>
<endif>
>>

```

```

@treeParserHeaderFile.superClassName ::= "DebugTreeParser"

```

```

@rewriteElement.pregen() ::= "[debugListener locationLine:<e.line> column:<e.pos>];"

```

Found in path(s):

```

* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/ObjC/ASTDbg.stg

```

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```

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\*/

```
@genericParserHeaderFile.memVars() ::= <<
/* AST parserHeaderFile.memVars */
NSInteger ruleLevel;
NSArray *ruleNames;
<@super.memVars(> /* AST super.memVars */
<parserMemVars(> /* AST parserMemVars */
>>
```

```
@genericParserHeaderFile.properties() ::= <<
/* AST parserHeaderFile.properties */
<@super.properties(> /* AST super.properties */
<parserProperties(> /* AST parserproperties */
>>
```

```
@genericParserHeaderFile.methodsDecl() ::= <<
/* AST parserHeaderFile.methodsDecl */
<@super.methodsDecl(> /* AST super.methodsDecl */
<parserMethodsDecl(> /* AST parsermethodsDecl */
>>
```

```
@genericParser.synthesize() ::= <<
/* AST genericParser.synthesize */
<@super.synthesize(>
<parserSynthesize(>
>>
```

```
@genericParser.methods() ::= <<
/* AST genericParser.methods */
<@super.methods(>
<parserMethods(>
>>
```

```

/* additional init code for tree support */
@genericParser.init() ::= <<
/* AST genericParser.init */
<@super.init(>
[self setTreeAdaptor:[[CommonTreeAdaptor newTreeAdaptor] retain]];
>>

@genericParser.dealloc() ::= <<
/* AST genericParser.dealloc */
[self setTreeAdaptor:nil];
<@super.dealloc(>
>>

/* Add an adaptor property that knows how to build trees */
parserMemVars() ::= <<
/* AST parserMemVars */
id<TreeAdaptor> treeAdaptor;
>>

/* Add an adaptor property that knows how to build trees */
parserProperties() ::= <<
/* AST parserProperties */
@property (retain, getter=getTreeAdaptor, setter=setTreeAdaptor:) id<TreeAdaptor> treeAdaptor;
>>

/** Declaration of additional tree support methods - go in interface of parserHeaderFile() */
parserMethodsDecl() ::= <<
/* AST parserMethodsDecl */
- (id<TreeAdaptor>) getTreeAdaptor;
- (void) setTreeAdaptor:(id<TreeAdaptor>)theTreeAdaptor;
>>

/* Add an adaptor property that knows how to build trees */
parserSynthesize() ::= <<
/* AST parserProperties */
@synthesize treeAdaptor;
>>

/** Definition of addition tree support methods - go in implementation of genericParser() */
parserMethods() ::= <<
/* AST parserMethods */
- (id<TreeAdaptor>) getTreeAdaptor
{
return treeAdaptor;
}

- (void) setTreeAdaptor:(id<TreeAdaptor>)aTreeAdaptor
{

```

```

if (aTreeAdaptor != treeAdaptor) {
 treeAdaptor = aTreeAdaptor;
}
}
>>

/** addition memVars for returnscopes */
@returnScopeInterface.memVars() ::= <<
/* AST returnScopeInterface.memVars */
<recognizer.ASTLabelType; null="CommonTree"> *tree;
>>

/** the interface of returnScope properties */
@returnScopeInterface.properties() ::= <<
/* AST returnScopeInterface.properties */
@property (retain, getter=getTree, setter=setTree;) <recognizer.ASTLabelType; null="CommonTree"> *tree;
>>

/** the interface of returnScope methodsDecl */
@returnScopeInterface.methodsDecl() ::= <<
/* AST returnScopeInterface.methodsDecl */
- (<recognizer.ASTLabelType; null="CommonTree"> *)getTree;<\n>
- (void) setTree:(<recognizer.ASTLabelType; null="CommonTree"> *)aTree;<\n>
>>

/** the implementation of returnScope synthesize */
@returnScopeImplementation.synthesize() ::= <<
/* AST returnScope.synthesize */
@synthesize tree;
>>

/** the implementation of returnScope methods */
@returnScopeImplementation.methods() ::= <<
/* AST returnScope.methods */
- (<ASTLabelType> *)getTree
{
 return tree;
}

- (void) setTree:(<ASTLabelType> *)aTree
{
 if (tree != aTree) {
 if (tree != nil) [tree release];
 if (aTree != nil) [aTree retain];
 tree = aTree;
 }
}
}

```

```

- (void) dealloc
{
 self.tree = nil;
 [super dealloc];
}

>>

/** Add a variable to track rule's return AST */
ruleDeclarations() ::= <<
/* AST ruleDeclarations */
<super.ruleDeclarations()>
<ASTLabelType> *root_0 = nil;<\n>
>>

ruleLabelDefs() ::= <<
/* AST ruleLabelDefs */
<super.ruleLabelDefs()>
<[ruleDescriptor.tokenLabels,ruleDescriptor.wildcardTreeLabels,
ruleDescriptor.wildcardTreeListLabels]:{it | <ASTLabelType> *<it.label.text>_tree=nil;}; separator="\n">
<ruleDescriptor.tokenListLabels:{it | <ASTLabelType> *<it.label.text>_tree = nil;}; separator="\n">
<ruleDescriptor.allTokenRefsInAltsWithRewrites:{it | RewriteRuleTokenStream *stream_<it> =
[[RewriteRule<rewriteElementType>Stream newRewriteRule<rewriteElementType>Stream:treeAdaptor
description:@"token <it>"] retain];}; separator="\n">
<ruleDescriptor.allRuleRefsInAltsWithRewrites:{it | RewriteRuleSubtreeStream *stream_<it> =
[[RewriteRuleSubtreeStream newRewriteRuleSubtreeStream:treeAdaptor
description:@"rule <it>"] retain];}; separator="\n">
>>

ruleCleanUp() ::= <<
/* AST ruleCleanUp */
<super.ruleCleanUp()>
<[ruleDescriptor.allTokenRefsInAltsWithRewrites,ruleDescriptor.allRuleRefsInAltsWithRewrites]:{it |
[stream_<it> release];}; separator="\n">
<!
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(backtracking)>if (state.backtracking == 0) {<\n>
<endif>
 [<prevRuleRootRef()> setTree:(<ASTLabelType> *)[treeAdaptor rulePostProcessing:root_0]];<\n>
 [treeAdaptor setTokenBoundaries:[<prevRuleRootRef()> getTree]
 From:[<prevRuleRootRef()> getStart]
 To:[<prevRuleRootRef()> getStop]];<\n>
<if(backtracking)>}<\n>
<endif>
<endif>
[<root_0 release>];
!>
>>

```

```

rewriteCodeLabelsCleanUp() ::= <<
/* AST rewriteCodeLabelsCleanUp */
<referencedTokenLabels:{it | [stream_<it> release];}; separator="\n">
<referencedTokenListLabels:{it | [stream_<it> release];}; separator="\n">
<referencedRuleLabels:{it | [stream_<it> release];}; separator="\n">
<referencedRuleListLabels:{it | [stream_<it> release];}; separator="\n">
>>

/** When doing auto AST construction, we must define some variables;
 * These should be turned off if doing rewrites. This must be a "mode"
 * as a rule could have both rewrite and AST within the same alternative
 * block.
 */
@alt.declarations() ::= <<
<if(autoAST)>
<if(outerAlt)>
<if(!rewriteMode)>
root_0 = (<ASTLabelType> *)[[[treeAdaptor class] newEmptyTree] retain];<\n>
<endif>
<endif>
<endif>
>>

// Tracking Rule Elements

/** ID and track it for use in a rewrite rule */
tokenRefTrack(token,label,elementIndex) ::= <<
<! <super.tokenRef(...)> !>
<tokenRefBang(...)> <! Track implies no auto AST construction!>
<if(backtracking)>
if (<actions.(actionScope).synpredgate>) <endif>
[stream_<token> addElement:<label>];<\n>
>>

/** ids+=ID and track it for use in a rewrite rule; adds to ids *and*
 * to the tracking list stream_ID for use in the rewrite.
 */
tokenRefTrackAndListLabel(token,label,elementIndex) ::= <<
<tokenRefTrack(...)>
<listLabel(elem=label,...)>
>>

/** ^(ID ...) track for rewrite */
tokenRefRuleRootTrack(token,label,elementIndex) ::= <<
<! <super.tokenRef(...)> !>
<tokenRefBang(...)>
<if(backtracking)>

```

```

if (!<actions.(actionScope).synpredgate>) <endif>
 [stream_<token> addElement:<label>];<\n>
>>

/** Match ^(label+=TOKEN ...) track for rewrite */
tokenRefRuleRootTrackAndListLabel(token,label,elementIndex) ::= <<
<tokenRefRuleRootTrack(...)>
<listLabel(elem=label,...)>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>
[stream_<rule.name> addElement:[<label> getTree]];
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefTrack(...)>
<listLabel(elem={ [<label> getTree] },...)>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
<! <super.ruleRefRuleRoot(...)> !>
<ruleRefRuleRoot(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>
 [stream_<rule.name> addElement:[<label> getTree]];<\n>
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRootTrack(...)>
<listLabel(elem={ [<label> getTree] },...)>
>>

// R e w r i t e

rewriteCode(
alts, description,
referencedElementsDeep, // ALL referenced elements to right of ->
referencedTokenLabels,
referencedTokenListLabels,
referencedRuleLabels,
referencedRuleListLabels,
referencedWildcardLabels,
referencedWildcardListLabels,

```

```

rewriteBlockLevel, enclosingTreeLevel, treeLevel) ::=
<<

// AST REWRITE
// elements: <referencedElementsDeep; separator=", ">
// token labels: <referencedTokenLabels; separator=", ">
// rule labels: <referencedRuleLabels; separator=", ">
// token list labels: <referencedTokenListLabels; separator=", ">
// rule list labels: <referencedRuleListLabels; separator=", ">
// wildcard labels: <[referencedWildcardLabels,referencedWildcardListLabels]; separator=", ">
<if(backtracking)>
if (<actions.(actionScope).synpredgate>) {<\n>
<endif>
<prevRuleRootRef(>.tree = root_0;<\n>
<rewriteCodeLabels(>
root_0 = (<ASTLabelType> *)[[[treeAdaptor class] newEmptyTree] retain];<\n>
<alts:rewriteAlt(); separator="else ">
<! if tree parser and rewrite=true !>
<if(TREE_PARSER)>
<if(rewriteMode)>
<prevRuleRootRef(>.tree = (<ASTLabelType>)[treeAdaptor rulePostProcessing:root_0];
[input replaceChildren:[treeAdaptor getParent:retval.start]
 From:[treeAdaptor getChildIndex:retval.start]
 To:[treeAdaptor getChildIndex:_last]
 With:retval.tree];
<endif>
<endif>
<! if parser or tree-parser && rewrite!=true, we need to set result !>
<if(!TREE_PARSER)>
<prevRuleRootRef(>.tree = root_0;<\n>
<else>
<if(!rewriteMode)>
<prevRuleRootRef(>.tree = root_0;<\n>
<endif>
<endif>
<if(backtracking)>
}
<endif>
>>

rewriteCodeLabels() ::= <<
<referencedTokenLabels
: {it | RewriteRule<rewriteElementType>Stream *stream_<it> =
 [[RewriteRule<rewriteElementType>Stream newRewriteRule<rewriteElementType>Stream:treeAdaptor
description:@ "token <it>" element:<it>] retain];};
 separator="\n"
>
<referencedTokenListLabels: {it | RewriteRule<rewriteElementType>Stream *stream_<it> =

```

```

[[RewriteRule<rewriteElementType>Stream newRewriteRule<rewriteElementType>Stream:treeAdaptor
 description:@ "token <it>" elements:list_<it>] retain];];
separator="\n"
>
<referencedWildcardLabels:{it | RewriteRuleSubtreeStream stream_<it> =
 [[RewriteRuleSubtreeStream newRewriteRuleSubtreeStream:treeAdaptor
 description:"wildcard <it>" element:<it>] retain];];
separator="\n"
>
<referencedWildcardListLabels:{it | RewriteRuleSubtreeStream stream_<it> =
 [[RewriteRuleSubtreeStream newRewriteRuleSubtreeStream:treeAdaptor
 descriptor:"wildcard <it>" elements:list_<it>] retain];];
separator="\n"
>
<referencedRuleLabels:{it | RewriteRuleSubtreeStream *stream_<it> =
 [[RewriteRuleSubtreeStream newRewriteRuleSubtreeStream:treeAdaptor
 description:@ "token <it>" element:<it>!=nil?[<it> getTree]:nil] retain];];
separator="\n"
>
<referencedRuleListLabels:{it | RewriteRuleSubtreeStream *stream_<it> =
 [[RewriteRuleSubtreeStream newRewriteRuleSubtreeStream:treeAdaptor
 description:@ "token <it>" elements:list_<it>] retain];];
separator="\n"
>
>>

/** Generate code for an optional rewrite block; note it uses the deep ref'd element
 * list rather shallow like other blocks.
 */
rewriteOptionalBlock(
alt,rewriteBlockLevel,
referencedElementsDeep, // all nested refs
referencedElements, // elements in immediately block; no nested blocks
description) ::=
<<
// <fileName>:<description>
if (<referencedElementsDeep:{el | [stream_<el> hasNext]}; separator="||">) {
 <alt>
}
<referencedElementsDeep:{el | [stream_<el> reset];<n>}>
>>

rewriteClosureBlock(
alt,rewriteBlockLevel,
referencedElementsDeep, // all nested refs
referencedElements, // elements in immediately block; no nested blocks
description) ::=
<<

```



```

// <fileName>:<description>
while (<referencedElements:{el | [stream_<el> hasNext]}; separator="||">) {
 <alt>
}
<referencedElements:{el | [stream_<el> reset];<\n>}>
>>

rewritePositiveClosureBlock(
 alt,rewriteBlockLevel,
 referencedElementsDeep, // all nested refs
 referencedElements, // elements in immediately block; no nested blocks
 description) ::=
<<
// <fileName>:<description>
{
if (!(<referencedElements:{el | [stream_<el> hasNext]}; separator=" || ">)) {
 @throw [RewriteEarlyExitException newException];
}
while (<referencedElements:{el | [stream_<el> hasNext]}; separator=" || ">) {
 <alt>
}
<referencedElements:{el | [stream_<el> reset];<\n>}>
}
>>

rewriteAlt(a) ::= <<
// <a.description>
<if(a.pred)>
if (<a.pred>) {
 <a.alt>
}<\n>
<else>
{
 <a.alt>
}<\n>
<endif>
>>

/** For empty rewrites: "r : ... -> ;" */
rewriteEmptyAlt() ::= "root_0 = nil;"

rewriteTree(root,children,description,enclosingTreeLevel,treeLevel) ::= <<
// <fileName>:<description>
{
 <ASTLabelType> *root_<treeLevel> = (<ASTLabelType> *)[[[treeAdaptor class] newEmptyTree] retain];
 <root:rewriteElement()>
 <children:rewriteElement()>
 [treeAdaptor addChild:root_<treeLevel> toTree:root_<enclosingTreeLevel>];
}

```

```

}<\n>
>>

rewriteElementList(elements) ::= "<elements:rewriteElement()>"

rewriteElement(e) ::= <<
<@pregen()>
<e.el>
>>

/** Gen ID or ID[args] */
rewriteTokenRef(token,elementIndex,terminalOptions,args) ::= <<
// TODO: args: <args; separator=", ">
[treeAdaptor addChild:<createRewriteNodeFromElement(...)> toTree:root_<treeLevel>];<\n>
>>

/** Gen $label ... where defined via label=ID */
rewriteTokenLabelRef(label,elementIndex) ::= <<
[treeAdaptor addChild:[stream_<label> nextNode] toTree:root_<treeLevel>];<\n>
>>

/** Gen $label ... where defined via label+=ID */
rewriteTokenListLabelRef(label,elementIndex) ::= <<
[treeAdaptor addChild:[stream_<label> nextNode] toTree:root_<treeLevel>];<\n>
>>

/** Gen ^($label ...) */
rewriteTokenLabelRefRoot(label,elementIndex) ::= <<
root_<treeLevel> = (<ASTLabelType> *)[treeAdaptor becomeRoot:[stream_<label> nextNode]
old:root_<treeLevel>];<\n>
>>

/** Gen ^($label ...) where label+=... */
rewriteTokenListLabelRefRoot ::= rewriteTokenLabelRefRoot

/** Gen ^(ID ...) or ^(ID[args] ...) */
rewriteTokenRefRoot(token,elementIndex,terminalOptions,args) ::= <<
root_<treeLevel> = (<ASTLabelType> *)[treeAdaptor becomeRoot:<createRewriteNodeFromElement(...)>
old:root_<treeLevel>];<\n>
>>

rewriteImaginaryTokenRef(args,token,terminalOptions,elementIndex) ::= <<
[treeAdaptor addChild:<createImaginaryNode(tokenType=token, ...)> toTree:root_<treeLevel>];<\n>
>>

rewriteImaginaryTokenRefRoot(args,token,terminalOptions,elementIndex) ::= <<
root_<treeLevel> = (<ASTLabelType> *)[treeAdaptor becomeRoot:<createImaginaryNode(tokenType=token, ...)>
old:root_<treeLevel>];<\n>

```

```

>>

/** plain -> {foo} action */
rewriteAction(action) ::= <<
root_0 = <action>;<\n>
>>

/** What is the name of the previous value of this rule's root tree? This
 * let's us refer to $rule to mean previous value. I am reusing the
 * variable 'tree' sitting in retval struct to hold the value of root_0 right
 * before I set it during rewrites. The assign will be to retval.tree.
 */
prevRuleRootRef() ::= "retval"

rewriteRuleRef(rule) ::= <<
[treeAdaptor addChild:[stream_<rule> nextTree] toTree:root_<treeLevel>];<\n>
>>

rewriteRuleRefRoot(rule) ::= <<
root_<treeLevel> = (<ASTLabelType> *)[treeAdaptor becomeRoot:(id<Tree>)[stream_<rule> nextNode]
old:root_<treeLevel>];<\n>
>>

rewriteNodeAction(action) ::= <<
[treeAdaptor addChild:<action> toTree:root_<treeLevel>];<\n>
>>

rewriteNodeActionRoot(action) ::= <<
root_<treeLevel> = (<ASTLabelType> *)[treeAdaptor becomeRoot:<action> old:root_<treeLevel>];<\n>
>>

/** Gen $ruleLabel ... where defined via ruleLabel=rule */
rewriteRuleLabelRef(label) ::= <<
[treeAdaptor addChild:[stream_<label> nextTree] toTree:root_<treeLevel>];<\n>
>>

/** Gen $ruleLabel ... where defined via ruleLabel+=rule */
rewriteRuleListLabelRef(label) ::= <<
[treeAdaptor addChild:[stream_<label> nextTree] toTree:root_<treeLevel>];<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel=rule */
rewriteRuleLabelRefRoot(label) ::= <<
root_<treeLevel> = (<ASTLabelType> *)[treeAdaptor becomeRoot:[stream_<label> nextNode]
old:root_<treeLevel>];<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel+=rule */

```

```

rewriteRuleListLabelRefRoot(label) ::= <<
root_<treeLevel> = (<ASTLabelType> *)[treeAdaptor becomeRoot:[stream_<label> nextNode]
old:root_<treeLevel>];<n>
>>

rewriteWildcardLabelRef(label) ::= <<
[treeAdaptor addChild:[stream_<label> nextTree] toTree:root_<treeLevel>];<n>
>>

createImaginaryNode(tokenType,terminalOptions,args) ::= <<
<if(terminalOptions.node)>
 [<terminalOptions.node> new<terminalOptions.node>:<tokenType> <if(args)>, <args; separator=", "><endif>]
<else>
 <if(args)>
 [[treeAdaptor createTree:<tokenType> <if(first(args))>FromToken:<first(args)><endif>
<if(first(rest(args)))>Text:<first(rest(args))><else>Text:@ "<tokenType>"<endif>] retain]
 <else>
 [[treeAdaptor createTree:<tokenType> Text:@ "<tokenType>"] retain]
 <endif>
<endif>
>>

```

```

createRewriteNodeFromElement(token,terminalOptions,args) ::= <<
<if(terminalOptions.node)>
 [<terminalOptions.node> new<terminalOptions.node>:[stream_<token> nextToken]<if(args)>, <args;
separator=", "><endif>]
<else>
 <if(args)> <! must create new node from old !>
 [[treeAdaptor createTree:<token> Text:<first(rest(args))> <args; separator=", ">] retain]
 <else>
 [stream_<token> nextNode]
 <endif>
<endif>
>>

```

Found in path(s):

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/templates/ObjC/AST.stg  
No license file was found, but licenses were detected in source scan.

```

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*
* Conversion to C#:
* Copyright (c) 2011 Sam Harwell, Pixel Mine, Inc.
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*

```

```

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*/

```

```

@outputFile.imports() ::= <<
<@super.imports()>

```

```

<if(!TREE_PARSER)>
<! tree parser would already have imported !>
using Antlr.Runtime.Tree;
using RewriteRuleITokenStream = Antlr.Runtime.Tree.RewriteRuleTokenStream;
<endif>
>>

```

```

@genericParser.members() ::= <<
<@super.members()>
<parserMembers()>
>>

```

```

parserCtorBody() ::= <<
<super.parserCtorBody()>
<treeAdaptorType()> treeAdaptor = default(<treeAdaptorType()>);
CreateTreeAdaptor(ref treeAdaptor);
TreeAdaptor = treeAdaptor<if(!actions.(actionScope).treeAdaptorType)> ?? new CommonTreeAdaptor()<endif>;
>>

```

```

/** Add an adaptor property that knows how to build trees */
parserMembers() ::= <<
// Implement this function in your helper file to use a custom tree adaptor

```

```

partial void CreateTreeAdaptor(ref <treeAdaptorType()> adaptor);

private <treeAdaptorType()> adaptor;

public <treeAdaptorType()> TreeAdaptor
{
 get
 {
 return adaptor;
 }

 set
 {
 this.adaptor = value;
 <grammar.directDelegates:{g|<g:delegateName()>.TreeAdaptor = this.adaptor;}>
 }
}
>>

treeAdaptorType() ::= <<
<actions.(actionScope).treeAdaptorType; null="ITreeAdaptor">
>>

ruleReturnBaseType() ::= <%
Ast<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope\<<ASTLabelType>, <labelType>>
%>

/** Add a variable to track rule's return AST */
ruleDeclarations() ::= <<
<super.ruleDeclarations()>
<ASTLabelType> root_0 = default(<ASTLabelType>);<\n>
>>

ruleLabelDefs(ruleDescriptor, labelType, ASTLabelType, rewriteElementType) ::= <%
<super.ruleLabelDefs(...)>
<if(!ruleDescriptor.isSynPred)>
<[ruleDescriptor.tokenLabels,ruleDescriptor.wildcardTreeLabels,ruleDescriptor.wildcardTreeListLabels]
: {it|\n><ASTLabelType> <it.label.text>_tree = default(<ASTLabelType>);}>
<ruleDescriptor.tokenListLabels: {it|\n><ASTLabelType> <it.label.text>_tree = default(<ASTLabelType>);}>
<ruleDescriptor.allTokenRefsInAltsWithRewrites
: {it|\n>RewriteRule<rewriteElementType>Stream stream_<it>=new
RewriteRule<rewriteElementType>Stream(adaptor,"token <it>");}>
<ruleDescriptor.allRuleRefsInAltsWithRewrites
: {it|\n>RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"rule <it>");}>
<endif>
%>

/** When doing auto AST construction, we must define some variables;

```

```

* These should be turned off if doing rewrites. This must be a "mode"
* as a rule could have both rewrite and AST within the same alternative
* block.
*/
@alt.declarations() ::= <<
<if(autoAST && outerAlt && !rewriteMode && !ruleDescriptor.isSynPred)>
root_0 = (<ASTLabelType>)adaptor.Nil();
<endif>
>>

// Tracking Rule Elements

/** ID and track it for use in a rewrite rule */
tokenRefTrack(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefBang(...)> <! Track implies no auto AST construction!>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>stream_<token>.Add(<label>);<\n>
>>

/** ids+=ID and track it for use in a rewrite rule; adds to ids *and*
* to the tracking list stream_ID for use in the rewrite.
*/
tokenRefTrackAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefTrack(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/** ^(ID ...) track for rewrite */
tokenRefRuleRootTrack(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefBang(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>stream_<token>.Add(<label>);
>>

/** Match ^(label+=TOKEN ...) track for rewrite */
tokenRefRuleRootTrackAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefRuleRootTrack(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>stream_<rule.name>.Add(<label>.Tree);
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefTrack(...)>
<listLabelElem(elem={ <label>.Tree },elemType=ASTLabelType,...)>

```

```

>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>stream_<rule>.Add(<label>.Tree);
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRootTrack(...)>
<listLabelElem(elem={<label>.Tree},elemType=ASTLabelType,...)>
>>

// R e w r i t e

rewriteCode(
alts, description,
referencedElementsDeep, // ALL referenced elements to right of ->
referencedTokenLabels,
referencedTokenListLabels,
referencedRuleLabels,
referencedRuleListLabels,
referencedWildcardLabels,
referencedWildcardListLabels,
rewriteBlockLevel, enclosingTreeLevel, treeLevel) ::= <<
<\n>{
// AST REWRITE
// elements: <referencedElementsDeep; separator=", ">
// token labels: <referencedTokenLabels; separator=", ">
// rule labels: <referencedRuleLabels; separator=", ">
// token list labels: <referencedTokenListLabels; separator=", ">
// rule list labels: <referencedRuleListLabels; separator=", ">
// wildcard labels: <[referencedWildcardLabels,referencedWildcardListLabels]; separator=", ">
<if(backtracking)>
if (<actions.(actionScope).synpredgate>) {
<endif>
<prevRuleRootRef(>).Tree = root_0;
<rewriteCodeLabels(>
root_0 = (<ASTLabelType>)adaptor.Nil();
<alts:rewriteAlt(); separator="else ">
<! if tree parser and rewrite=true !>
<if(TREE_PARSER&&rewriteMode)>
<prevRuleRootRef(>).Tree = (<ASTLabelType>)adaptor.RulePostProcessing(root_0);
if (<prevRuleRootRef(>).Tree != null)
input.ReplaceChildren(adaptor.GetParent(retval.Start), adaptor.GetChildIndex(retval.Start),
adaptor.GetChildIndex(_last), retval.Tree);
<endif>

```



```

<! if parser or tree-parser && rewrite!=true, we need to set result !>
<if(!TREE_PARSER||!rewriteMode)>
<prevRuleRootRef().Tree = root_0;
<endif>
<if(backtracking)>
}
<endif>
}

>>

rewriteCodeLabels() ::= <<
<referencedTokenLabels
:{it|RewriteRule<rewriteElementType>Stream stream_<it>=new
RewriteRule<rewriteElementType>Stream(adaptor,"token <it>",<it>)};
separator="\n"
>
<referencedTokenListLabels
:{it|RewriteRule<rewriteElementType>Stream stream_<it>=new
RewriteRule<rewriteElementType>Stream(adaptor,"token <it> ", list_<it>)};
separator="\n"
>
<referencedWildcardLabels
:{it|RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"wildcard <it>",<it>)};
separator="\n"
>
<referencedWildcardListLabels
:{it|RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"wildcard <it> ",list_<it>)};
separator="\n"
>
<referencedRuleLabels
:{it|RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"rule
<it>",<it>!=null?<it>.Tree:null)};
separator="\n"
>
<referencedRuleListLabels
:{it|RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"token <it> ",list_<it>)};
separator="\n"
>
>>

/** Generate code for an optional rewrite block; note it uses the deep ref'd element
 * list rather shallow like other blocks.
 */
rewriteOptionalBlock(
alt,rewriteBlockLevel,
referencedElementsDeep, // all nested refs
referencedElements, // elements in immediately block; no nested blocks

```

```

description) ::=
<<
// <fileName>:<description>
if (<referencedElementsDeep:{el | stream_<el>.HasNext}; separator="||">)
{
 <alt>
}
<referencedElementsDeep:{el | stream_<el>.Reset();<\n>}>
>>

```

```

rewriteClosureBlock(
 alt,rewriteBlockLevel,
 referencedElementsDeep, // all nested refs
 referencedElements, // elements in immediately block; no nested blocks
 description) ::=
<<
// <fileName>:<description>
while (<referencedElements:{el | stream_<el>.HasNext}; separator="||">)
{
 <alt>
}
<referencedElements:{el | stream_<el>.Reset();<\n>}>
>>

```

```

rewritePositiveClosureBlock(
 alt,rewriteBlockLevel,
 referencedElementsDeep, // all nested refs
 referencedElements, // elements in immediately block; no nested blocks
 description) ::=
<<
if (!(<referencedElements:{el | stream_<el>.HasNext}; separator="||">))
{
 throw new RewriteEarlyExitException();
}
while (<referencedElements:{el | stream_<el>.HasNext}; separator="||">)
{
 <alt>
}
<referencedElements:{el | stream_<el>.Reset();<\n>}>
>>

```

```

rewriteAlt(a) ::= <<
// <a.description>
<if(a.pred)>
if (<a.pred>)
{
 <a.alt>
}

```

```

<else>
{
 <a.alt>
}
<endif>
>>

/** For empty rewrites: "r : ... -> ;" */
rewriteEmptyAlt() ::= "root_0 = null;"

rewriteTree(root,children,description,enclosingTreeLevel,treeLevel) ::= <<
// <fileName>:<description>
{
 <ASTLabelType> root_<treeLevel> = (<ASTLabelType>)adaptor.Nil();
 <root:rewriteElement()>
 <children:rewriteElement()>
 adaptor.AddChild(root_<enclosingTreeLevel>, root_<treeLevel>);
}<\n>
>>

rewriteElementList(elements) ::= "<elements:rewriteElement()>"

rewriteElement(e) ::= <%
<@pregen()>
DebugLocation(<e.line>, <e.pos>);<\n>
<e.el>
%>

/** Gen ID or ID[args] */
rewriteTokenRef(token,elementIndex,args,terminalOptions={}) ::= <<
adaptor.AddChild(root_<treeLevel>, <createRewriteNodeFromElement(...)>);<\n>
>>

/** Gen $label ... where defined via label=ID */
rewriteTokenLabelRef(label,elementIndex) ::= <<
adaptor.AddChild(root_<treeLevel>, stream_<label>.NextNode());<\n>
>>

/** Gen $label ... where defined via label+=ID */
rewriteTokenListLabelRef(label,elementIndex) ::= <<
adaptor.AddChild(root_<treeLevel>, stream_<label>.NextNode());<\n>
>>

/** Gen ^($label ...) */
rewriteTokenLabelRefRoot(label,elementIndex) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(stream_<label>.NextNode(), root_<treeLevel>);<\n>
>>

```

```

/** Gen ^($label ...) where label+=... */
rewriteTokenListLabelRefRoot ::= rewriteTokenLabelRefRoot

/** Gen ^(ID ...) or ^(ID[args] ...) */
rewriteTokenRefRoot(token,elementIndex,args,terminalOptions={}) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(<createRewriteNodeFromElement(...)>,
root_<treeLevel>);<\n>
>>

rewriteImaginaryTokenRef(args,token,elementIndex,terminalOptions={}) ::= <<
adaptor.AddChild(root_<treeLevel>, <createImaginaryNode(tokenType=token, ...)>);<\n>
>>

rewriteImaginaryTokenRefRoot(args,token,elementIndex,terminalOptions={}) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(<createImaginaryNode(tokenType=token, ...)>,
root_<treeLevel>);<\n>
>>

/** plain -> {foo} action */
rewriteAction(action) ::= <<
root_0 = <action>;<\n>
>>

/** What is the name of the previous value of this rule's root tree? This
* let's us refer to $rule to mean previous value. I am reusing the
* variable 'tree' sitting in retval struct to hold the value of root_0 right
* before I set it during rewrites. The assign will be to retval.tree.
*/
prevRuleRootRef() ::= "retval"

rewriteRuleRef(rule) ::= <<
adaptor.AddChild(root_<treeLevel>, stream_<rule>.NextTree());<\n>
>>

rewriteRuleRefRoot(rule) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(stream_<rule>.NextNode(), root_<treeLevel>);<\n>
>>

rewriteNodeAction(action) ::= <<
adaptor.AddChild(root_<treeLevel>, <action>);<\n>
>>

rewriteNodeActionRoot(action) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(<action>, root_<treeLevel>);<\n>
>>

/** Gen $ruleLabel ... where defined via ruleLabel=rule */
rewriteRuleLabelRef(label) ::= <<

```

```

adaptor.AddChild(root_<treeLevel>, stream_<label>.NextTree());<\n>
>>

/** Gen $ruleLabel ... where defined via ruleLabel+=rule */
rewriteRuleListLabelRef(label) ::= <<
adaptor.AddChild(root_<treeLevel>, stream_<label>.NextTree());<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel=rule */
rewriteRuleLabelRefRoot(label) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(stream_<label>.NextNode(), root_<treeLevel>);<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel+=rule */
rewriteRuleListLabelRefRoot(label) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(stream_<label>.NextNode(), root_<treeLevel>);<\n>
>>

rewriteWildcardLabelRef(label) ::= <<
adaptor.AddChild(root_<treeLevel>, stream_<label>.NextTree());<\n>
>>

createImaginaryNode(tokenType,args,terminalOptions={ }) ::= <%
<if(terminalOptions.node)>
<! new MethodNode(IDLabel, args) !>
new <terminalOptions.node><(tokenType)<if(args)>, <args; separator=", "><endif>
<else>
(<ASTLabelType>)adaptor.Create(<tokenType>, <args; separator=", "><if(!args)>"<tokenType>"<endif>
<endif>
%>

createRewriteNodeFromElement(token,args,terminalOptions={ }) ::= <%
<if(terminalOptions.node)>
new <terminalOptions.node>(stream_<token>.NextToken())<if(args)>, <args; separator=", "><endif>
<else>
<if(args)> <! must create new node from old !>
adaptor.Create(<token>, <args; separator=", ">)
<else>
stream_<token>.NextNode()
<endif>
<endif>
%>

```

Found in path(s):

```

* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/CSharp3/AST.stg

```

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```
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```

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```

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```
*/
```

```
/** Template subgroup to add template rewrite output
```

```
* If debugging, then you'll also get STDbg.stg loaded.
```

```
*/
```

```
@outputFile.imports() ::= <<
```

```
<@super.imports(>
```

```
import stringtemplate3
```

```
>>
```

```
/** Add this to each rule's return value struct */
```

```
@returnScope.ruleReturnInit() ::= <<
```

```
self.st = None
```

```
>>
```

```
@returnScope.ruleReturnMembers() ::= <<
```

```
def getTemplate(self):
```

```
 return self.st
```

```
def toString(self):
```

```
 if self.st is not None:
```

```
 return self.st.toString()
```

```

 return None
 __str__ = toString

>>

@genericParser.init() ::= <<
<@super.init()>
self.templateLib = stringtemplate3.StringTemplateGroup(
 '<name>Templates', lexer='angle-bracket'
)

>>

@genericParser.members() ::= <<
<@super.members()>
def setTemplateLib(self, templateLib):
 self.templateLib = templateLib

def getTemplateLib(self):
 return self.templateLib

>>

/** x+=rule when output=template */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(label, {<label>.st})>
>>

rewriteTemplate(alts) ::= <<
TEMPLATE REWRITE
<if(backtracking)>
if <actions.(actionScope).synpredgate>:
 <first(alts):rewriteTemplateAltFirst()>
 <rest(alts):{it | el<rewriteTemplateAlt(it)>}>
 <if(rewriteMode)><replaceTextInLine()><endif>

<else>
<first(alts):rewriteTemplateAltFirst()>
<rest(alts):{it | el<rewriteTemplateAlt(it)>}>
<if(rewriteMode)><replaceTextInLine()><endif>
<endif>
>>

replaceTextInLine() ::= <<
<if(TREE_PARSER)>
self.input.getTokenStream().replace(
 self.input.getTreeAdaptor().getTokenStartIndex(retval.start),

```

```

 self.input.getTreeAdaptor().getTokenStopIndex(retval.start),
 retval.st
)
<else>
self.input.replace(
 retval.start.getTokenIndex(),
 self.input.LT(-1).getTokenIndex(),
 retval.st
)
<endif>
>>

```

```

rewriteTemplateAltFirst(alt) ::= <<
<if(alt.pred)>
if <alt.pred>:
 # <alt.description>
 retval.st = <alt.alt>
<\n>
<else>
<alt.description>
retval.st = <alt.alt>
<\n>
<endif>
>>

```

```

rewriteTemplateAlt(alt) ::= <<
<if(alt.pred)>if <alt.pred>:
 # <alt.description>
 retval.st = <alt.alt>
<\n>
<else>se:
 # <alt.description>
 retval.st = <alt.alt>
<\n>
<endif>
>>

```

```

rewriteEmptyTemplate(alts) ::= <<
None
>>

```

```

/** Invoke a template with a set of attribute name/value pairs.
 * Set the value of the rule's template *after* having set
 * the attributes because the rule's template might be used as
 * an attribute to build a bigger template; you get a self-embedded
 * template.
 */

```

```

rewriteExternalTemplate(name,args) ::= <%

```



```

self.templateLib.getInstanceOf("<name><if(args)>, attributes={<args:{a | "<a.name>": <a.value>}; separator=",
"><endif>)
%>

/** expr is a string expression that says what template to load */
rewriteIndirectTemplate(expr,args) ::= <%
self.templateLib.getInstanceOf(<expr><if(args)>, attributes={<args:{a | "<a.name>": <a.value>}; separator=",
"><endif>)
%>

/** Invoke an inline template with a set of attribute name/value pairs */
rewriteInlineTemplate(args, template) ::= <%
stringtemplate3.StringTemplate("<template>", group=self.templateLib<if(args)>, attributes={<args:{a |
"<a.name>": <a.value>}; separator=", "><endif>)
%>

/** plain -> {foo} action */
rewriteAction(action) ::= <<
<action>
>>

/** An action has %st.attrName=expr; or % {st}.attrName=expr; */
actionSetAttribute(st,attrName,expr) ::= <<
(<st>["<attrName>"] = <expr>
>>

/** Translate %{stringExpr} */
actionStringConstructor(stringExpr) ::= <<
stringtemplate3.StringTemplate(<stringExpr>, group=self.templateLib)
>>

```

Found in path(s):

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/templates/Python/ST.stg

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```

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*/

```

```

/** Template overrides to add debugging to normal Java output;
* If ASTs are built, then you'll also get ASTDbg.stg loaded.
*/

```

```

@outputFile.debugPreprocessor() ::= "#define ANTLR_DEBUG"

```

```

@outputFile.imports() ::= <<
<@super.imports()>
using Antlr.Runtime.Debug;
using IOException = System.IO.IOException;
>>

```

```

@genericParser.members() ::= <<
<if(grammar.grammarIsRoot)>
public static readonly string[] ruleNames =
new string[]
{
 "invalidRule", <grammar.allImportedRules:{rST | "<rST.name>"}; wrap="\n ", separator=", ">
};<\n>
<endif>
<if(grammar.grammarIsRoot)><! grammar imports other grammar(s) !>
int ruleLevel = 0;
public virtual int RuleLevel { get { return ruleLevel; } }
public virtual void IncRuleLevel() { ruleLevel++; }
public virtual void DecRuleLevel() { ruleLevel--; }
<if(profile)>
<ctorForProfilingRootGrammar()>
<else>
<ctorForRootGrammar()>
<endif>
<ctorForPredefinedListener()>

```

```

<else><! imported grammar !>
public int RuleLevel { get { return <grammar.delegators:{g| <g:delegateName()>>>.RuleLevel; } }
public void IncRuleLevel() { <grammar.delegators:{g| <g:delegateName()>>>.IncRuleLevel(); }
public void DecRuleLevel() { <grammar.delegators:{g| <g:delegateName()>>>.DecRuleLevel(); }
<ctorForDelegateGrammar()>
<endif>
<if(profile)>
public override bool AlreadyParsedRule(IIntStream input, int ruleIndex)
{
int stopIndex = GetRuleMemoization(ruleIndex, input.Index);
((Profiler)dbg).ExamineRuleMemoization(input, ruleIndex, stopIndex,
<grammar.composite.rootGrammar.recognizerName>.ruleNames[ruleIndex]);
return base.AlreadyParsedRule(input, ruleIndex);
}<\n>
public override void Memoize(IIntStream input, int ruleIndex, int ruleStartIndex)
{
((Profiler)dbg).Memoize(input, ruleIndex, ruleStartIndex,
<grammar.composite.rootGrammar.recognizerName>.ruleNames[ruleIndex]);
base.Memoize(input, ruleIndex, ruleStartIndex);
}<\n>
<endif>
protected virtual bool EvalPredicate(bool result, string predicate)
{
dbg.SemanticPredicate(result, predicate);
return result;
}<\n>
>>

ctorForRootGrammar() ::= <<
<! bug: can't use <@super.members()> cut-n-paste instead !>
<! Same except we add port number and profile stuff if root grammar !>
<actions.(actionScope).ctorModifier; null="public"> <name>(<inputStreamType> input)
: this(input, DebugEventSocketProxy.DefaultDebuggerPort, new RecognizerSharedState())
{
}
<actions.(actionScope).ctorModifier; null="public"> <name>(<inputStreamType> input, int port,
RecognizerSharedState state)
: base(input, state)
{
<createListenerAndHandshake()>
<grammar.directDelegates:{g|<g:delegateName()> = new <g.recognizerName>(input, dbg, this.state,
this<grammar.delegators:{g|, <g:delegateName()>>>);}; separator="\n">
<parserCtorBody()>
<@finally()>
}<\n>
>>

ctorForProfilingRootGrammar() ::= <<

```

```

<! bug: can't use <@super.members()> cut-n-paste instead !>
<actions.(actionScope).ctorModifier; null="public"> <name>(<inputStreamType> input)
: this(input, new Profiler(null), new RecognizerSharedState())
{
}
<actions.(actionScope).ctorModifier; null="public"> <name>(<inputStreamType> input, IDebugEventListener dbg,
RecognizerSharedState state)
: base(input, dbg, state)
{
Profiler p = (Profiler)dbg;
p.setParser(this);
<grammar.directDelegates:
{g|<g:delegateName()> = new <g.recognizerName>(input, dbg, this.state, this<grammar.delegators:{g|,
<g:delegateName()>>>);}; separator="\n">
<parserCtorBody()>
<@finally()>
}
<\n>
>>

```

```

/** Basically we don't want to set any dbg listeners are root will have it. */
ctorForDelegateGrammar() ::= <<
<actions.(actionScope).ctorModifier; null="public"> <name>(<inputStreamType> input, IDebugEventListener dbg,
RecognizerSharedState state<grammar.delegators:{g|, <g.recognizerName> <g:delegateName()>>>)
: base(input, dbg, state)
{
<grammar.directDelegates:
{g|<g:delegateName()> = new <g.recognizerName>(input, this, this.state<grammar.delegators:{g|,
<g:delegateName()>>>);}; separator="\n">
<parserCtorBody()>
}<\n>
>>

```

```

ctorForPredefinedListener() ::= <<
<actions.(actionScope).ctorModifier; null="public"> <name>(<inputStreamType> input, IDebugEventListener dbg
)
<@superClassRef>: base(input, dbg, new RecognizerSharedState())<@end>
{
<if(profile)>
Profiler p = (Profiler)dbg;
p.setParser(this);
<endif>
<grammar.directDelegates:{g|<g:delegateName()> = new <g.recognizerName>(input, dbg, this.state,
this<grammar.delegators:{g|, <g:delegateName()>>>);}; separator="\n">
<parserCtorBody()>
<@finally()>
}<\n>
>>

```

```

createListenerAndHandshake() ::= <<
<if(TREE_PARSER)>
DebugEventSocketProxy proxy = new DebugEventSocketProxy(this, port, input.TreeAdaptor);<\n>
<else>
DebugEventSocketProxy proxy = new DebugEventSocketProxy(this, port, null);<\n>
<endif>
DebugListener = proxy;
try
{
proxy.Handshake();
}
catch (IOException ioe)
{
ReportError(ioe);
}
>>

@genericParser.superClassName() ::= "Debug<@super.superClassName()>"

/*
* Many of the following rules were merged into CSharp2.stg.
*/

@rule.preamble() ::= <<
if (RuleLevel == 0)
DebugListener.Commence();
IncRuleLevel();
>>
//@rule.preamble() ::= <<
//try
//{
// dbg.EnterRule(GrammarFileName, "<ruleName>");
// if (RuleLevel == 0)
// {
// dbg.Commence();
// }
// IncRuleLevel();
// dbg.Location(<ruleDescriptor.tree.line>, <ruleDescriptor.tree.charPositionInLine>);<\n>
//>>

@rule.postamble() ::= <<
DecRuleLevel();
if (RuleLevel == 0)
DebugListener.Terminate();
>>
//@rule.postamble() ::= <<
//dbg.Location(<ruleDescriptor.EORNode.line>, <ruleDescriptor.EORNode.charPositionInLine>);<\n>

```

```

//}
//finally
//{
// dbg.ExitRule(GrammarFileName, "<ruleName>");
// DecRuleLevel();
// if (RuleLevel == 0)
// {
// dbg.Terminate();
// }
//}<\n>
//>>

@@insertSynpreds.start() ::= "dbg.BeginBacktrack(state.backtracking);"
@@insertSynpreds.stop() ::= "dbg.EndBacktrack(state.backtracking, success);"

// Common debug event triggers used by region overrides below

//enterSubRule() ::= <<
//try
//{
// dbg.EnterSubRule(<decisionNumber>);<\n>
//>>

//exitSubRule() ::= <<
//}
//finally
//{
// dbg.ExitSubRule(<decisionNumber>);
//}<\n>
//>>

//enterDecision() ::= <<
//try
//{
// dbg.EnterDecision(<decisionNumber>);<\n>
//>>

//exitDecision() ::= <<
//}
//finally
//{
// dbg.ExitDecision(<decisionNumber>);
//}<\n>
//>>

//enterAlt(n) ::= "dbg.EnterAlt(<n>);<\n>"

// Region overrides that tell various constructs to add debugging triggers

```

```

//@block.predecision() ::= "<enterSubRule()><enterDecision()>"

//@block.postdecision() ::= "<exitDecision()>"

//@block.postbranch() ::= "<exitSubRule()>"

//@ruleBlock.predecision() ::= "<enterDecision()>"

//@ruleBlock.postdecision() ::= "<exitDecision()>"

//@ruleBlockSingleAlt.preal() ::= "<enterAlt(n=\"1\")>"

//@blockSingleAlt.preal() ::= "<enterAlt(n=\"1\")>"

//@positiveClosureBlock.preloop() ::= "<enterSubRule()>"

//@positiveClosureBlock.postloop() ::= "<exitSubRule()>"

//@positiveClosureBlock.predecision() ::= "<enterDecision()>"

//@positiveClosureBlock.postdecision() ::= "<exitDecision()>"

//@positiveClosureBlock.earlyExitException() ::=
// "dbg.RecognitionException(eee<decisionNumber>);<n>"

//@closureBlock.preloop() ::= "<enterSubRule()>"

//@closureBlock.postloop() ::= "<exitSubRule()>"

//@closureBlock.predecision() ::= "<enterDecision()>"

//@closureBlock.postdecision() ::= "<exitDecision()>"

//@altSwitchCase.preal() ::= "<enterAlt(n=i)>"

//@element.prematch() ::=
// "dbg.Location(<it.line>, <it.pos>);"

//@matchSet.mismatchedSetException() ::=
// "dbg.RecognitionException(mse);"

//@dfaState.noViableAltException() ::= "dbg.RecognitionException(nvae);"

//@dfaStateSwitch.noViableAltException() ::= "dbg.RecognitionException(nvae);"

//dfaDecision(decisionNumber,description) ::= <<
//try

```

```

//{{
// isCyclicDecision = true;
// <super.dfaDecision(...)>
//}}
//catch (NoViableAltException nvae)
//{{
// dbg.RecognitionException(nvae);
// throw nvae;
//}}
//>>

//@cyclicDFA.errorMethod() ::= <<
//public override void Error(NoViableAltException nvae)
//{{
// ((DebugParser)recognizer).dbg.RecognitionException(nvae);
//}}
//>>

/** Force predicate validation to trigger an event */
evalPredicate(pred,description) ::= <<
EvalPredicate(<pred>, "<description>")
>>

```

Found in path(s):

```

* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/CSharp2/Dbg.stg

```

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\*/

/\*\* Templates for building ASTs during normal parsing.

\*

\* Deal with many combinations. Dimensions are:

\* Auto build or rewrite

\* no label, label, list label (label/no-label handled together)

\* child, root

\* token, set, rule, wildcard

\*

\* The situation is not too bad as rewrite (->) usage makes ^ and !

\* invalid. There is no huge explosion of combinations.

\*/

@rule.setErrorReturnValue() ::= <<

/\* ASTParser rule.setErrorReturnValue \*/

retval.tree = (<ASTLabelType> \*)[treeAdaptor errorNode:input From:retval.start To:[input LT:-1] Exception:re];

<! System.out.println("<ruleName> returns "+((CommonTree)retval.tree).toStringTree()); !>

>>

// TOKEN AST STUFF

/\*\* ID and output=AST \*/

tokenRef(token, label, elementIndex, terminalOptions) ::= <<

/\* ASTParser tokenRef \*/

<super.tokenRef(...)>

<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>

<label>\_tree = <createNodeFromToken(...)>;

[treeAdaptor addChild:<label>\_tree toTree:root\_0];

<if(backtracking)>}<endif>

>>

/\* ID! and output=AST (same as plain tokenRef) \*/

/\* ASTParser tokenRefBang \*/

tokenRefBang(token,label,elementIndex,terminalOptions) ::= "<super.tokenRef(...)>"

/\*\* ID^ and output=AST \*/

tokenRefRuleRoot(token,label,elementIndex,terminalOptions) ::= <<

<super.tokenRef(...)>

<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>

<label>\_tree = <createNodeFromToken(...)>;

root\_0 = (<ASTLabelType> \*)[treeAdaptor becomeRoot:<label>\_tree old:root\_0];

<if(backtracking)>}<endif>

```

>>

/** ids+=ID! and output=AST */
tokenRefBangAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
/* ASTParser tokenRefBangAndListLabel */
<tokenRefBang(...)>
<listLabel(elem=label,...)>
>>

/** label+=TOKEN when output=AST but not rewrite alt */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
/* ASTParser tokenRefAndListLabel */
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

/** Match label+=TOKEN^ when output=AST but not rewrite alt */
tokenRefRuleRootAndListLabel(token,label,terminalOptions,elementIndex) ::= <<
/* ASTParser tokenRefRuleRootAndListLabel */
<tokenRefRuleRoot(...)>
<listLabel(elem=label,...)>
>>

// SET AST

// the match set stuff is interesting in that it uses an argument list
// to pass code to the default matchSet; another possible way to alter
// inherited code. I don't use the region stuff because I need to pass
// different chunks depending on the operator. I don't like making
// the template name have the operator as the number of templates gets
// large but this is the most flexible--this is as opposed to having
// the code generator call matchSet then add root code or ruleroot code
// plus list label plus ... The combinations might require complicated
// rather than just added on code. Investigate that refactoring when
// I have more time.

matchSet(s,label,terminalOptions,elementIndex,postmatchCode) ::= <%
/* ASTParser matchSet */
<super.matchSet(postmatchCode={<if(backtracking)>if (<actions.(actionScope).synpredgate>)<endif>
 [treeAdaptor addChild:<createNodeFromToken(...)> toTree:root_0];, ...)>
%>

matchRuleBlockSet(s,label,terminalOptions,elementIndex,postmatchCode,treeLevel="0") ::= <<
/* ASTParser matchRuleBlockSet */
<matchSet(...)>
>>

matchSetBang(s,label,elementIndex,terminalOptions, postmatchCode) ::= "<super.matchSet(...)>"

```

```

// note there is no matchSetTrack because -> rewrites force sets to be
// plain old blocks of alts: (A|B|...|C)

matchSetRuleRoot(s,label,terminalOptions,elementIndex,debug) ::= <<
/* ASTParser matchSetRuleRoot */
<if(label)>
<label>=(<labelType> *)[input LT:1]; /* matchSetRuleRoot */<\n>
<endif>
<super.matchSet(postmatchCode={ <if(backtracking)>if (<actions.(actionScope).synpredgate>)<endif>
root_0 = (<ASTLabelType> *)[treeAdaptor becomeRoot:<createNodeFromToken(...)> old:root_0];}, ...)>
>>

// RULE REF AST

/** rule when output=AST */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
/* ASTParser ruleRef */
<super.ruleRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)<endif>
[treeAdaptor addChild:[<label> getTree] toTree:root_0];
>>

/** rule! is same as normal rule ref */
ruleRefBang(rule,label,elementIndex,args,scope) ::= "<super.ruleRef(...)>"

/** rule^ */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
/* ASTParser ruleRefRuleRoot */
<super.ruleRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)<endif>
root_0 = (<ASTLabelType> *)[treeAdaptor becomeRoot:[<label> getTree] old:root_0];
>>

/** x+=rule when output=AST */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
/* ASTParser ruleRefAndListLabel */
<ruleRef(...)>
<listLabel(elem = {[<label> getTree]},...)>
>>

/** x+=rule! when output=AST is a rule ref with list addition */
ruleRefBangAndListLabel(rule,label,elementIndex,args,scope) ::= <<
/* ASTParser ruleRefBangAndListLabel */
<ruleRefBang(...)>
<listLabel(elem = {[<label> getTree]},...)>
>>

```

```

/** x+=rule^ */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
/* ASTParser ruleRefRuleRootAndListLabel */
<ruleRefRuleRoot(...)>
<listLabel(elem = {[<label> getTree]},...)>
>>

// WILDCARD AST

wildcard(token,label,elementIndex,terminalOptions) ::= <<
/* ASTParser wildcard */
<super.wildcard(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
 [treeAdaptor addChild:[treeAdaptor create:<label>] retain] toTree:root_0];
<if(backtracking)>}<endif>
>>

wildcardBang(token,label,elementIndex,terminalOptions) ::= "<super.wildcard(...)>"

wildcardRuleRoot(token,label,elementIndex,terminalOptions) ::= <<
/* ASTParser wildcardRuleRoot */
<super.wildcard(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
 <label>_tree = [[treeAdaptor create:<label>] retain]
 root_0 = (<ASTLabelType> *)[treeAdaptor becomeRoot:<label>_tree old:root_0];
<if(backtracking)>}<endif>
>>

createNodeFromToken(label,terminalOptions) ::= <<
/* ASTParser createNodeFromToken */
<if(terminalOptions.node)>
[<terminalOptions.node> new<terminalOptions.node>:<label>] <! new MethodNode(IDLabel) !>
<else>
(<ASTLabelType> *)[treeAdaptor create:<label>] retain]
<endif>
>>

// straight from java cleanup ///
ruleCleanUp() ::= <<
/* ASTParser ruleCleanUp */
<super.ruleCleanUp()>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<\n><endif>
 retval.tree = (<ASTLabelType> *)[treeAdaptor rulePostProcessing:root_0];
 [treeAdaptor setTokenBoundaries:retval.tree From:retval.start To:retval.stopToken];
<if(backtracking)>}<endif>
>>

```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/ObjC/ASTParser.stg
```

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```
*/
```

```
/** Template subgroup to add template rewrite output
```

```
* If debugging, then you'll also get STDbg.stg loaded.
```

```
*/
```

```
@returnScopeInterface.memVars() ::= <<
```

```
<@super.memVars()>
```

```
/* ST returnInterface.memVars */
```

```
ST *st;
```

```
>>
```

```
@returnScopeInterface.properties() ::= <<
```

```
<@super.properties()>
```

```
/* ST returnScope.properties */
```

```
@property (retain, getter=getST, setter=setST:) ST *st;
```

```
>>
```

```
@returnScopeInterface.methodsDecl() ::= <<
```

```

<@super.methodsDecl()>
/* ST AST returnScopeInterface.methodsDecl */
- (id) getTemplate;
- (NSString *) toString;
- (NSString *) description;
>>

@returnScopeInterface() ::= <<
/* ST returnScopeInterface */
@interface <returnScopeInterface.name> : ReturnScope {
<returnScopeInterface.memVars()>
}
<returnScopeInterface.properties()>

<returnScopeInterface.methods()>
@end
>>

@returnScopeImplementation.synthesize() ::= <<
<@super.synthesize()>
/* ST returnScope.synthesize */
@synthesize st;
>>

@returnScopeImplementation.methods() ::= <<
<@super.methods()>
/* ST returnScope.methods */
- (id) getTemplate { return st; }
- (NSString *) toString { return st==nil?nil:[st toString]; }
- (NSString *) description { [self toString]; }
>>

@returnScopeImplementation() ::= <<
@implementation <returnScopeImplementation.name>
<returnScopeImplementation.synthesize()>

<returnScopeImplementation.methods()>
@end
>>

/** Add this to each rule's return value struct */
@returnScope.ruleReturnMembers() ::= <<
<@super.ruleReturnMembers()>
/* ST returnScope.ruleReturnMembers -- empty */
>>

@genericParserHeaderFile.memVars() ::= <<
<@super.memVars()>

```

```

/* ST genericParserHeaderFile.memVars -- empty now */
STGroup *templateLib; /* ST -- really a part of STAttrMap */
>>

@genericParserHeaderFile.properties() ::= <<
<@super.properties()>
/* ST genericParser.properties */
@property (retain, getter=getTemplateLib, setter=setTemplateLib:) STGroup *templateLib;
>>

@genericParserHeaderFile.methodsDecl() ::= <<
<@super.methodsDecl()>
/* ST genericParser.methodsDecl */
- init;
- (STGroup *) getTemplateLib;
- (void) setTemplateLib:(STGroup *)aTemplateLib;
@end
>>

@genericParser.synthesize() ::= <<
<@super.synthesize()>
/* ST genericParserImplementation.synthesize */
@synthesize templateLib;
>>

@genericParser.methods() ::= <<
<@super.methods()>
/* ST genericParser.methods */

- (STGroup *)getTemplateLib
{
 return templateLib;
}

- (void) setTemplateLib:(STGroup *)aTemplateLib
{
 templateLib = aTemplateLib;
}

>>

@genericParser.members() ::= <<
<@super.members()>
STGroup *templateLib = [STGroup newSTGroup:@"<name>Templates"];

- (STGroup *) getTemplateLib
{
 return templateLib;
}

```

```

}

- (void) setTemplateLib:(STGroup *) templateLib
{
 this.templateLib = templateLib;
}

/** allows convenient multi-value initialization:
 * "new STAttrMap().put(...).put(...)"
 */
/* REPLACE THIS STATIC CLASS
static class STAttrMap extends HashMap {
- (STAttrMap *) setObject:(id)aValue forKey:(NS*)String attrName
{
 [super setObject:value forKey:attrName];
 return self;
}
- (STAttrMap *) setObjectWithInt:(NSInteger)value forKey:(NSString *)attrName
{
 [super setObject:[NSNumber numberWithInt:value] forKey:attrName];
 return self;
}
}
*/
>>

@STAttrMap() ::= <<
/* ----- ST start STAttrMap ----- */
<@STAttrMap.interface()>
<@STAttrMap.implementation()>
/* ----- ST end STAttrMap ----- */
>>

@STAttrMap.interface() ::= <<
/* ----- ST start STAttrMap.interface ----- */
@interface STAttrMap : HashMap {
/* <@STAttrMap.memVars()> */
 STGroup *templateLib;
}

/* <@STAttrMap.properties()> */
@property (retain, getter=getTemplateLib, setter=setTemplateLib:) STGroup *templateLib;
/* <@STAttrMap.methodsDecl()> */
- (id) init;
- (STAttrMap *) setObject:(id)value forKey:(NSString *)attrName;
- (STAttrMap *) setObjectWithInt:(NSInteger)value forKey:(NSString *)attrName;
- (void) setTemplateLib:(STGroup *)aTemplateLib;
- (STGroup *) getTemplateLib;

```



```

@end
/* ----- ST end STAttrMap.interface ----- */
>>

@STAttrMap.implementation() ::= <<
/* ----- ST start STAttrMap.implementation ----- */
/** allows convenient multi-value initialization:
 * "new STAttrMap().put(...).put(...)"
 */
@implementation STAttrMap
@synthesize templateLib;

<@STAttrMap.methods()>
@end
/* ----- ST end STAttrMap.implementation ----- */
>>

@STAttrMap.memVars() ::= <<
/* ----- ST start STAttrMap.memVars ----- */
 STGroup *templateLib;
/* ----- ST end STAttrMap.memVars ----- */
>>

@STAttrMap.properties() ::= <<
/* ----- ST start STAttrMap.properties ----- */
@property (retain, getter=getTemplateLib, setter=setTemplateLib:) STGroup *templateLib;
/* ----- ST end STAttrMap.properties ----- */
>>

@STAttrMap.methodsDecl() ::= <<
/* ----- ST start STAttrMap.methodsDecl ----- */
- (id) init;
- (STAttrMap *) setObject:(id)value forKey:(NSString *)attrName;
- (STAttrMap *) setObjectWithInt:(NSInteger)value forKey:(NSString *)attrName;
- (void) setTemplateLib:(STGroup *)aTemplateLib;
- (STGroup *) getTemplateLib;
/* ----- ST end STAttrMap.methodsDecl ----- */
>>

@STAttrMap.methods() ::= <<
/* ----- ST start STAttrMap.methods ----- */
- (id) init
{
 self = [super initWithLen:16];
 if (self != nil) {
 templateLib = [STGroup newSTGroup:"<name>Templates"];
 }
 return self;
}

```

```

}

- (STAttrMap *) setObject:(id)aValue forKey:(NSString *)aAttrName
{
 [super setObject:aValue forKey:aAttrName];
 return self;
}

- (STAttrMap *) setObjectWithInt:(NSInteger)aValue forKey:(NSString *)aAttrName
{
 [super setObject:[NSNumber numberWithInt:aValue] forKey:aAttrName];
 return self;
}

- (void) setTemplateLib:(STGroup *)aTemplateLib
{
 templateLib = aTemplateLib;
}

- (STGroup *)getTemplateLib
{
 return templateLib;
}

/* ----- ST end STAttrMap.methods ----- */
>>

/** x+=rule when output=template */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
/* ST ruleRefAndListLable */
<ruleRef(...)>
<listLabel(elem=[label getTemplate,...]>
>>

rewriteTemplate(alts) ::= <<
/* ----- ST start rewriteTemplate ----- */
// TEMPLATE REWRITE
<if(backtracking)>
if (<actions.(actionScope).synpredgate>) {
 <alts:rewriteTemplateAlt(); separator="else ">
 <if(rewriteMode)><replaceTextInLine()><endif>
}
<else>
<alts:rewriteTemplateAlt(); separator="else ">
<if(rewriteMode)><replaceTextInLine()><endif>
<endif>
/* ----- ST end rewriteTemplate ----- */
>>

replaceTextInLine() ::= <<

```

```

/* ----- ST start replaceTextInLine ----- */
<if(TREE_PARSER)>
[[(TokenRewriteStream *)input getTokenStream]
 replaceFromIndex: [[input getTreeAdaptor] getTokenStartIndex:retval.start]
 ToIndex: [[input getTreeAdaptor] getTokenStopIndex:retval.start]
 Text:retval.st];
<else>
[[(TokenRewriteStream *)input)
 replaceFromIndex: [((CommonToken *)retval.start) getTokenIndex]
 ToIndex: [[input LT:-1] getTokenIndex]
 Text:retval.st];
<endif>
/* ----- ST end replaceTextInLine ----- */
>>

rewriteTemplateAlt() ::= <<
/* ----- ST start rewriteTemplateAlt ----- */
/* ST <it.description> */
<if(it.pred)>
if (<it.pred>) {
 retval.st = <it.alt>;
}<\n>
<else>
{
 retval.st = <it.alt>;
}<\n>
<endif>
/* ----- ST end rewriteTemplateAlt ----- */
>>

rewriteEmptyTemplate(alts) ::= <<
nil;
>>

/** Invoke a template with a set of attribute name/value pairs.
 * Set the value of the rule's template *after* having set
 * the attributes because the rule's template might be used as
 * an attribute to build a bigger template; you get a self-embedded
 * template.
 */
rewriteExternalTemplate(name,args) ::= <<
/* ----- ST start rewriteExternalTemplate ----- */
[templateLib getInstanceOf:@"<name>"]
<if(args)>[[STAttrMap newSTAttrMap] <args:{a | setObject:<a.value> forKey:@"<a.name>"}]><endif>]
/* ----- ST end rewriteExternalTemplate ----- */
>>

/** expr is a string expression that says what template to load */

```

```

rewriteIndirectTemplate(expr,args) ::= <<
/* ----- ST start rewriteIndirectTemplate ----- */
[templateLib getInstanceOf:<expr>
<if(args)> [[STAttrMap newSTAttrMap]<args:{a | setObject:<a.value> forKey:@"<a.name>"}]>]
<else>]<endif>
/* ----- ST end rewriteIndirectTemplate ----- */
>>

```

```

/** Invoke an inline template with a set of attribute name/value pairs */
rewriteInlineTemplate(args, template) ::= <<
/* ----- ST start rewriteInlineTemplate ----- */
STGroup *templateLib;
templateLib.templates = [STAttrMap newSTAttrMap];
<if(args)> [templateLib.templates <args:{a | setObject:<a.value> forKey:@"<a.name>"};><endif>
[ST newST:templateLib template:@"<template>"];
/* ----- ST end rewriteInlineTemplate ----- */
>>

```

```

/** plain -> {foo} action */
rewriteAction(action) ::= <<
/* ----- ST start rewriteAction ----- */
<action>
/* ----- ST end rewriteAction ----- */
>>

```

```

/** An action has %st.attrName=expr; or % {st}.attrName=expr; */
actionSetAttribute(st,attrName,expr) ::= <<
/* ----- ST start actionSetAttribute ----- */
[[ST attributes] setObject:<expr> forKey:@"<attrName>"];
<![<st> setAttribute:<expr> name:@"<attrName>"];!>
/* ----- ST end actionSetAttribute ----- */
>>

```

```

/** Translate %{stringExpr} */
actionStringConstructor(stringExpr) ::= <<
/* ----- ST start actionStringConstructor ----- */
[ST newSTWithTemplate:<stringExpr>]
/* ----- ST end actionStringConstructor ----- */
>>

```

Found in path(s):

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/templates/ObjC/ST.stg

No license file was found, but licenses were detected in source scan.

/\*

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\*/

```
javaTypeInitMap ::= [
 "int": "0",
 "long": "0",
 "float": "0.0f",
 "double": "0.0",
 "boolean": "false",
 "byte": "0",
 "short": "0",
 "char": "0",
 default: "null" // anything other than an atomic type
]

// System.Boolean.ToString() returns "True" and "False", but the proper C# literals are "true" and "false"
// The Java version of Boolean returns "true" and "false", so they map to themselves here.
booleanLiteral ::= [
 "True": "true",
 "False": "false",
 "true": "true",
 "false": "false",
 default: "false"
]

/** The overall file structure of a recognizer; stores methods for rules
 * and cyclic DFAs plus support code.
```

```

*/
outputFile(LEXER,PARSER,TREE_PARSER, actionScope, actions,
 docComment, recognizer,
 name, tokens, tokenNames, rules, cyclicDFAs,
 bitsets, buildTemplate, buildAST, rewriteMode, profile,
 backtracking, synpreds, memoize, numRules,
 fileName, ANTLRVersion, generatedTimestamp, trace,
 scopes, superClass, literals) ::=
<<
// $ANTLR <ANTLRVersion> <fileName> <generatedTimestamp>
<actions.(actionScope).header>

<@imports>
import org antlr.runtime.*;
<if(TREE_PARSER)>
import org antlr.runtime.tree.*;
<endif>
import java.util.Stack;
import java.util.List;
import java.util.ArrayList;
<if(backtracking)>
import java.util.Map;
import java.util.HashMap;
<endif>
<@end>

<docComment>
@SuppressWarnings("all")
<recognizer>

>>

lexer(grammar, name, tokens, scopes, rules, numRules, filterMode, labelType="CommonToken",
 superClass="Lexer") ::= <<
public class <grammar.recognizerName> extends <@superClassName><superClass><@end> {
 <tokens:{it | public static final int <it.name>=<it.type>;}; separator="\n">
 <scopes:{it |<if(it.isDynamicGlobalScope)><globalAttributeScope(it)><endif>}>
 <actions.lexer.members>

 // delegates
 <grammar.delegates:
 {g|public <g.recognizerName> <g:delegateName()>;}; separator="\n">
 // delegators
 <grammar.delegators:
 {g|public <g.recognizerName> <g:delegateName()>;}; separator="\n">
 <last(grammar.delegators):{g|public <g.recognizerName> gParent;}>
 public <superClass>[] getDelegates() {
 return new <superClass>[] {<grammar.delegates: {g|<g:delegateName()>;}; separator = ", ">};

```

```

}

public <grammar.recognizerName>() {} <! needed by subclasses !>
public <grammar.recognizerName>(CharStream input<grammar.delegators:{g|, <g.recognizerName>
<g.delegateName()>>}) {
 this(input, new RecognizerSharedState()<grammar.delegators:{g|, <g.delegateName()>>});
}
public <grammar.recognizerName>(CharStream input, RecognizerSharedState state<grammar.delegators:{g|,
<g.recognizerName> <g.delegateName()>>}) {
 super(input,state);
<if(memoize)>
<if(grammar.grammarIsRoot)>
 state.ruleMemo = new HashMap[<numRules>+1];<\n><! index from 1..n !>
<endif>
<endif>
 <grammar.directDelegates:
 {g|<g.delegateName()> = new <g.recognizerName>(input, state<trunc(g.delegators):{p|, <p.delegateName()>}>,
this);}; separator="\n">
 <grammar.delegators:
 {g|this.<g.delegateName()> = <g.delegateName()>;}; separator="\n">
 <last(grammar.delegators):{g|gParent = <g.delegateName()>;}>
}
 @Override public String getGrammarFileName() { return "<fileName>"; }

<if(filterMode)>
 <filteringNextToken()>
<endif>
 <rules; separator="\n\n">

 <synpreds:{p | <lexerSynpred(p)>}>

 <cyclicDFAs:{dfa | protected DFA<dfa.decisionNumber> dfa<dfa.decisionNumber> = new
DFA<dfa.decisionNumber>(this);}; separator="\n">
 <cyclicDFAs:cyclicDFA(); separator="\n\n"><! dump tables for all DFA !>

}
>>

/** A override of Lexer.nextToken() that backtracks over mTokens() looking
 * for matches. No error can be generated upon error; just rewind, consume
 * a token and then try again. backtracking needs to be set as well.
 * Make rule memoization happen only at levels above 1 as we start mTokens
 * at backtracking==1.
 */
filteringNextToken() ::= <<
@Override
public Token nextToken() {
 while (true) {

```

```

if (input.LA(1)==CharStream.EOF) {
 Token eof = new CommonToken(input,Token.EOF,
 Token.DEFAULT_CHANNEL,
 input.index(),input.index());
 eof.setLine(getLine());
 eof.setCharPositionInLine(getCharPositionInLine());
 return eof;
}
state.token = null;
state.channel = Token.DEFAULT_CHANNEL;
state.tokenStartCharIndex = input.index();
state.tokenStartCharPositionInLine = input.getCharPositionInLine();
state.tokenStartLine = input.getLine();
state.text = null;
try {
 int m = input.mark();
 state.backtracking=1; <! means we won't throw slow exception !>
 state.failed=false;
 mTokens();
 state.backtracking=0;
 <! mTokens backtracks with synpred at backtracking==2
 and we set the synpredgate to allow actions at level 1. !>
 if (state.failed) {
 input.rewind(m);
 input.consume(); <! advance one char and try again !>
 }
 else {
 emit();
 return state.token;
 }
}
catch (RecognitionException re) {
 // shouldn't happen in backtracking mode, but...
 reportError(re);
 recover(re);
}
}

@Override
public void memoize(IntStream input,
 int ruleIndex,
 int ruleStartIndex)
{
 if (state.backtracking>1) super.memoize(input, ruleIndex, ruleStartIndex);
}

@Override

```



```

public boolean alreadyParsedRule(IntStream input, int ruleIndex) {
if (state.backtracking>1) return super.alreadyParsedRule(input, ruleIndex);
return false;
}
>>

actionGate() ::= "state.backtracking==0"

filteringActionGate() ::= "state.backtracking==1"

/** How to generate a parser */
genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
 bitsets, inputStreamType, superClass,
 labelType, members, rewriteElementType,
 filterMode, ASTLabelType="Object") ::= <<
public class <grammar.recognizerName> extends <@superClassName><superClass><<@end> {
<if(grammar.grammarIsRoot)>
public static final String[] tokenNames = new String[] {
 "\<invalid>", "\<EOR>", "\<DOWN>", "\<UP>", <tokenNames; separator=", ", wrap="\n\t">
};
<endif>
<tokens:{it |public static final int <it.name>=<it.type>;}; separator="\n">

// delegates
<grammar.delegates: {g|public <g.recognizerName> <g.delegateName()>;}; separator="\n">
public <superClass>[] getDelegates() {
return new <superClass>[] {<grammar.delegates: {g|<g.delegateName()>;}; separator = ", ">};
}

// delegators
<grammar.delegators:
{g|public <g.recognizerName> <g.delegateName()>;}; separator="\n">
<last(grammar.delegators):{g|public <g.recognizerName> gParent;}>

<scopes:{it |<if(it.isDynamicGlobalScope)><globalAttributeScope(it)><endif>}>

<@members>
<! WARNING. bug in ST: this is cut-n-paste into Dbg.stg !>
public <grammar.recognizerName><(<inputStreamType> input<grammar.delegators:{g|, <g.recognizerName>
<g.delegateName()>>}> {
this(input, new RecognizerSharedState()<grammar.delegators:{g|, <g.delegateName()>>});
}
public <grammar.recognizerName><(<inputStreamType> input, RecognizerSharedState
state<grammar.delegators:{g|, <g.recognizerName> <g.delegateName()>>}> {
super(input, state);
<parserCtorBody()>
<grammar.directDelegates:
{g|<g.delegateName()> = new <g.recognizerName>(input, state<trunc(g.delegators):{p|, <p.delegateName()>>},

```

```

this);}; separator="\n">
 <grammar.indirectDelegates:{ g | <g:delegateName()> = <g.delegateName()>.<g.delegateName()>;}
separator="\n">
 <last(grammar.delegators):{ g|gParent = <g:delegateName()>;}>
 }
<@end>

@Override public String[] getTokenNames() { return
<grammar.composite.rootGrammar.recognizerName>.tokenNames; }
@Override public String getGrammarFileName() { return "<fileName>"; }

<members>

<rules; separator="\n\n">

<! generate rule/method definitions for imported rules so they
 appear to be defined in this recognizer. !>
// Delegated rules
<grammar.delegatedRules:{ruleDescriptor|
 public <returnType(ruleDescriptor)> <ruleDescriptor.name>(<ruleDescriptor.parameterScope:parameterScope()>)
 throws <ruleDescriptor.throwsSpec; separator=", "> { <if(ruleDescriptor.hasReturnValue)>return
 <endif><ruleDescriptor.grammar:delegateName()>.<ruleDescriptor.name>(<if(ruleDescriptor.parameterScope)><ru
 leDescriptor.parameterScope.attributes:{ a|<a.name>; separator=", "><endif>); \}}; separator="\n">

 <synpreds:{ p | <synpred(p)>}>

 <cyclicDFAs:{ dfa | protected DFA<dfa.decisionNumber> dfa<dfa.decisionNumber> = new
 DFA<dfa.decisionNumber>(this);}; separator="\n">
 <cyclicDFAs:cyclicDFA(); separator="\n\n"><! dump tables for all DFA !>

 <bitsets:{ it | <bitset(name={ FOLLOW_<it.name>_in_<it.inName><it.tokenIndex>},
 words64=it.bits)>; separator="\n">
 }
 >>

 parserCtorBody() ::= <<
 <if(memoize)>
 <if(grammar.grammarIsRoot)>
 this.state.ruleMemo = new HashMap[<length(grammar.allImportedRules)>+1];<n><! index from 1..n !>
 <endif>
 <endif>
 <grammar.delegators:
 { g|this.<g:delegateName()> = <g:delegateName()>;}; separator="\n">
 >>

 parser(grammar, name, scopes, tokens, tokenNames, rules, numRules, bitsets,
 ASTLabelType="Object", superClass="Parser", labelType="Token",
 members={<actions.parser.members>}) ::= <<

```

```

<genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
 bitsets, "TokenStream", superClass,
 labelType, members, "Token",
 false, ASTLabelType)>
>>

/** How to generate a tree parser; same as parser except the input
 * stream is a different type.
 */
treeParser(grammar, name, scopes, tokens, tokenNames, globalAction, rules,
 numRules, bitsets, filterMode, labelType={ <ASTLabelType> }, ASTLabelType="Object",
 superClass={ <if(filterMode)><if(buildAST)>TreeRewriter<else>TreeFilter<endif><else>TreeParser<endif> },
 members={ <actions.treeparser.members> }
) ::= <<
<genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
 bitsets, "TreeNodeStream", superClass,
 labelType, members, "Node",
 filterMode, ASTLabelType)>
>>

/** A simpler version of a rule template that is specific to the imaginary
 * rules created for syntactic predicates. As they never have return values
 * nor parameters etc..., just give simplest possible method. Don't do
 * any of the normal memoization stuff in here either; it's a waste.
 * As predicates cannot be inlined into the invoking rule, they need to
 * be in a rule by themselves.
 */
synpredRule(ruleName, ruleDescriptor, block, description, nakedBlock) ::=
<<
// $ANTLR start <ruleName>
public final void <ruleName>_fragment(<ruleDescriptor.parameterScope:parameterScope(>)) throws
<ruleDescriptor.throwsSpec: {x|<x>} ; separator=", "> {
 <ruleLabelDefs(>
<if(trace)>
 traceIn("<ruleName>_fragment", <ruleDescriptor.index>);
 try {
 <block>
 }
 finally {
 traceOut("<ruleName>_fragment", <ruleDescriptor.index>);
 }
<else>
 <block>
<endif>
}
// $ANTLR end <ruleName>
>>

```

```

synpred(name) ::= <<
public final boolean <name>() {
state.backtracking++;
<@start(>
int start = input.mark();
try {
<name>_fragment(); // can never throw exception
} catch (RecognitionException re) {
System.err.println("impossible: "+re);
}
boolean success = !state.failed;
input.rewind(start);
<@stop(>
state.backtracking--;
state.failed=false;
return success;
}<\n>
>>

lexerSynpred(name) ::= <<
<synpred(name)>
>>

ruleMemoization(name) ::= <<
<if(memoize)>
if (state.backtracking>0 && alreadyParsedRule(input, <ruleDescriptor.index>)) {
<returnStatement(((<ruleReturnValue(>)))> }
<endif>
>>

/** How to test for failure and return from rule */
checkRuleBacktrackFailure() ::= <<
<if(backtracking)>if (state.failed) <returnStatement(((<ruleReturnValue(>)))><endif>
>>

/** This rule has failed, exit indicating failure during backtrack */
ruleBacktrackFailure() ::= <<
<if(backtracking)>if (state.backtracking>0) { state.failed=true;
<returnStatement(((<ruleReturnValue(>)))>}<endif>
>>

/** How to generate code for a rule. This includes any return type
* data aggregates required for multiple return values.
*/
rule(ruleName,ruleDescriptor,block,emptyRule,description,exceptions,finally,memoize) ::= <<
<ruleAttributeScope(scope=ruleDescriptor.ruleScope)>
<returnScope(scope=ruleDescriptor.returnScope)>

```

```

// $ANTLR start "<ruleName>"
// <fileName>:<description>
<if(isPredefinedRewriteRule.(ruleName) && filterMode && buildAST)>
@Override
<endif>
public final <returnType(ruleDescriptor)> <ruleName>(<ruleDescriptor.parameterScope:parameterScope(>) throws
<ruleDescriptor.throwsSpec:{x|<x>}; separator=", "> {
 <if(trace)>traceIn("<ruleName>", <ruleDescriptor.index>);<endif>
 <ruleScopeSetUp(>
 <ruleDeclarations(>
 <ruleLabelDefs(>
 <ruleDescriptor.actions.init>
 <@preamble(>
 try {
 <ruleMemoization(name=ruleName)>
 <block>
 <ruleCleanUp(>
 <(ruleDescriptor.actions.after):execAction(>
 }
 <if(exceptions)>
 <exceptions:{e|<catch(decl=e.decl,action=e.action)><\n>}>
 <else>
 <if(!emptyRule)>
 <if(actions.(actionScope).rulecatch)>
 <actions.(actionScope).rulecatch>
 <else>
 catch (RecognitionException re) {
 reportError(re);
 recover(input,re);
 <@setErrorReturnValue(>
 }
 <endif>
 <endif>
 <endif>
 finally {
 // do for sure before leaving
 <if(trace)>traceOut("<ruleName>", <ruleDescriptor.index>);<endif>
 <memoize(>
 <ruleScopeCleanUp(>
 <finally>
 }
 <@postamble(>
 <returnStatement(({{<ruleReturnValue(>}}), false)>
 }
// $ANTLR end "<ruleName>"
>>

```

```
returnStatement(returnValue, force=true) ::= <%
```

```

<if(!isEmptyString.(returnValue))>
 return <returnValue>;
<elseif(force)>
 return;
<endif>
%>

catch(decl,action) ::= <<
catch (<e.decl>) {
 <e.action>
}
>>

ruleDeclarations() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<returnType(ruleDescriptor)> retval = new <returnType(ruleDescriptor)>();
retval.start = input.LT(1);
<elseif(ruleDescriptor.returnScope)>
<ruleDescriptor.returnScope.attributes: { a |
<a.type> <a.name> = <if(a.initValue)><a.initValue><else><initValue(a.type)><endif>;
}>
<endif>
<if(memoize)>
int <ruleDescriptor.name>_startIndex = input.index();
<endif>
>>

ruleScopeSetUp() ::= <<
<ruleDescriptor.useScopes: { it |<it>_stack.push(new <it>_scope());}; separator="\n">
<ruleDescriptor.ruleScope: { it |<it.name>_stack.push(new <it.name>_scope());}; separator="\n">
>>

ruleScopeCleanUp() ::= <<
<ruleDescriptor.useScopes: { it |<it>_stack.pop();}; separator="\n">
<ruleDescriptor.ruleScope: { it |<it.name>_stack.pop();}; separator="\n">
>>

ruleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels,
ruleDescriptor.wildcardTreeLabels,ruleDescriptor.wildcardTreeListLabels]
: { it |<labelType> <it.label.text>=null;}; separator="\n"
>
<[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels,ruleDescriptor.wildcardTreeListLabels]
: { it |List<Object> list_<it.label.text>=null;}; separator="\n"
>
<ruleDescriptor.ruleLabels:ruleLabelDef(); separator="\n">
<ruleDescriptor.ruleListLabels: { ll|RuleReturnScope <ll.label.text> = null;}; separator="\n">

```

>>

```
lexerRuleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]
:{it |<labelType> <it.label.text>=null;}; separator="\n"
>
<ruleDescriptor.charLabels:{it |int <it.label.text>;}; separator="\n">
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels]
:{it |List<Object> list_<it.label.text>=null;}; separator="\n"
>
>>
```

```
ruleReturnValue() ::= <%
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasReturnValue)>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnName>
<else>
retval
<endif>
<endif>
<endif>
%>
```

```
ruleCleanUp() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!TREE_PARSER)>
retval.stop = input.LT(-1);
<endif>
<endif>
>>
```

```
memoize() ::= <<
<if(memoize)>
<if(backtracking)>
if (state.backtracking>0) { memoize(input, <ruleDescriptor.index>, <ruleDescriptor.name>_StartIndex); }
<endif>
<endif>
>>
```

```
/** How to generate a rule in the lexer; naked blocks are used for
* fragment rules.
*/
```

```
lexerRule(ruleName,nakedBlock,ruleDescriptor,block,memoize) ::= <<
// $ANTLR start "<ruleName>"
```

```

public final void m<ruleName>(<ruleDescriptor.parameterScope:parameterScope()>) throws RecognitionException
{
 <if(trace)>traceIn("<ruleName>", <ruleDescriptor.index>);<endif>
 <ruleScopeSetUp()>
 <ruleDeclarations()>
 try {
 <if(nakedBlock)>
 <ruleMemoization(name=ruleName)>
 <lexerRuleLabelDefs()>
 <ruleDescriptor.actions.init>
 <block>
 <else>
 int _type = <ruleName>;
 int _channel = DEFAULT_TOKEN_CHANNEL;
 <ruleMemoization(name=ruleName)>
 <lexerRuleLabelDefs()>
 <ruleDescriptor.actions.init>
 <block>
 <ruleCleanUp()>
 state.type = _type;
 state.channel = _channel;
 <(ruleDescriptor.actions.after):execAction()>
 <endif>
 }
 finally {
 // do for sure before leaving
 <if(trace)>traceOut("<ruleName>", <ruleDescriptor.index>);<endif>
 <ruleScopeCleanUp()>
 <memoize()>
 }
}
// $ANTLR end "<ruleName>"
>>

/** How to generate code for the implicitly-defined lexer grammar rule
 * that chooses between lexer rules.
 */
tokensRule(ruleName,nakedBlock,args,block,ruleDescriptor) ::= <<
@Override
public void mTokens() throws RecognitionException {
 <block>
}
>>

// S U B R U L E S

/** A (...) subrule with multiple alternatives */
block(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<

```



```

// <fileName>:<description>
int alt<decisionNumber>=<maxAlt>;
<decls>
<@predecision()>
<decision>
<@postdecision()>
<@prebranch()>
switch (alt<decisionNumber>) {
 <alts:{a | <altSwitchCase(i,a)>}>
}
<@postbranch()>
>>

/** A rule block with multiple alternatives */
ruleBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
// <fileName>:<description>
int alt<decisionNumber>=<maxAlt>;
<decls>
<@predecision()>
<decision>
<@postdecision()>
switch (alt<decisionNumber>) {
 <alts:{a | <altSwitchCase(i,a)>}>
}
>>

ruleBlockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
// <fileName>:<description>
<decls>
<@prealt()>
<alts>
<@postalt()>
>>

/** A special case of a (...) subrule with a single alternative */
blockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
// <fileName>:<description>
<decls>
<@prealt()>
<alts>
<@postalt()>
>>

/** A (..)+ block with 1 or more alternatives */
positiveClosureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
// <fileName>:<description>
int cnt<decisionNumber>=0;

```

```

<decls>
<@preloop()>
loop<decisionNumber>:
while (true) {
int alt<decisionNumber>=<maxAlt>;
<@predecision()>
<decision>
<@postdecision()>
switch (alt<decisionNumber>) {
<alts:{ a | <altSwitchCase(i,a)>}>
default :
if (cnt<decisionNumber> >= 1) break loop<decisionNumber>;
<ruleBacktrackFailure()>
EarlyExitException eee = new EarlyExitException(<decisionNumber>, input);
<@earlyExitException()>
throw eee;
}
cnt<decisionNumber>++;
}
<@postloop()>
>>

```

positiveClosureBlockSingleAlt ::= positiveClosureBlock

/\*\* A (..)\* block with 1 or more alternatives \*/

closureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::=

<<

// <fileName>:<description>

```

<decls>
<@preloop()>
loop<decisionNumber>:
while (true) {
int alt<decisionNumber>=<maxAlt>;
<@predecision()>
<decision>
<@postdecision()>
switch (alt<decisionNumber>) {
<alts:{ a | <altSwitchCase(i,a)>}>
default :
break loop<decisionNumber>;
}
}
<@postloop()>
>>

```

closureBlockSingleAlt ::= closureBlock

/\*\* Optional blocks (x)? are translated to (x|) by before code generation

```

* so we can just use the normal block template
*/
optionalBlock ::= block

optionalBlockSingleAlt ::= block

/** A case in a switch that jumps to an alternative given the alternative
* number. A DFA predicts the alternative and then a simple switch
* does the jump to the code that actually matches that alternative.
*/
altSwitchCase(altNum,alt) ::= <<
case <altNum> :
 <@prealt()>
 <alt>
 break;<\n>
>>

/** An alternative is just a list of elements; at outermost level */
alt(elements,altNum,description,autoAST,outerAlt,treeLevel,rew) ::= <<
// <fileName>:<description>
{
 <@declarations()>
 <elements:element()>
 <rew>
 <@cleanup()>
}
>>

/** What to emit when there is no rewrite. For auto build
* mode, does nothing.
*/
noRewrite(rewriteBlockLevel, treeLevel) ::= ""

// E L E M E N T S

/** Dump the elements one per line */
element(e) ::= <<
<@prematch()>
<e.el>
>>

/** match a token optionally with a label in front */
tokenRef(token,label,elementIndex,terminalOptions={}) ::= <<
<if(label)><label>=<labelType><endif>match(input,<token>,FOLLOW_<token>_in_<ruleName><elementIndex
>); <checkRuleBacktrackFailure()>
>>

/** ids+=ID */

```

```

tokenRefAndListLabel(token,label,elementIndex,terminalOptions={ }) ::= <<
<tokenRef(token,label,elementIndex,terminalOptions)>
<listLabel(label, label)>
>>

listLabel(label,elem) ::= <<
if (list_<label>==null) list_<label>=new ArrayList<Object>();
list_<label>.add(<elem>);
>>

/** match a character */
charRef(char,label) ::= <<
<if(label)>
<label> = input.LA(1);
<endif>
match(<char>); <checkRuleBacktrackFailure()>
>>

/** match a character range */
charRangeRef(a,b,label) ::= <<
<if(label)>
<label> = input.LA(1);
<endif>
matchRange(<a>,); <checkRuleBacktrackFailure()>
>>

/** For now, sets are interval tests and must be tested inline */
matchSet(s,label,elementIndex,postmatchCode="",terminalOptions={ }) ::= <<
<if(label)>
<if(LEXER)>
<label>= input.LA(1);
<else>
<label>=<castToLabelType("input.LT(1)")>;
<endif>
<endif>
<endif>
if (<s>) {
input.consume();
<postmatchCode>
<if(!LEXER)>
state.errorRecovery=false;
<endif>
<if(backtracking)>state.failed=false;<endif>
}
else {
<ruleBacktrackFailure()>
MismatchedSetException mse = new MismatchedSetException(null,input);
<@mismatchedSetException()>
<if(LEXER)>

```

```

recover(mse);
throw mse;
<else>
throw mse;
<! use following code to make it recover inline; remove throw mse;
recoverFromMismatchedSet(input,mse,FOLLOW_set_in_<ruleName><elementIndex>);
!>
<endif>
}
>>

matchRuleBlockSet ::= matchSet

matchSetAndListLabel(s,label,elementIndex,postmatchCode) ::= <<
<matchSet(...)>
<listLabel(label, label)>
>>

/** Match a string literal */
lexerStringRef(string,label,elementIndex="0") ::= <<
<if(label)>
int <label>Start = getCharIndex();
match(<string>); <checkRuleBacktrackFailure()>
int <label>StartLine<elementIndex> = getLine();
int <label>StartCharPos<elementIndex> = getCharPositionInLine();
<label> = new <labelType>(input, Token.INVALID_TOKEN_TYPE, Token.DEFAULT_CHANNEL, <label>Start,
getCharIndex()-1);
<label>.setLine(<label>StartLine<elementIndex>);
<label>.setCharPositionInLine(<label>StartCharPos<elementIndex>);
<else>
match(<string>); <checkRuleBacktrackFailure()>
<endif>
>>

wildcard(token,label,elementIndex,terminalOptions={ }) ::= <<
<if(label)>
<label>=<castToLabelType("input.LT(1)")>;
<endif>
matchAny(input); <checkRuleBacktrackFailure()>
>>

wildcardAndListLabel(token,label,elementIndex,terminalOptions={ }) ::= <<
<wildcard(...)>
<listLabel(label, label)>
>>

/** Match . wildcard in lexer */
wildcardChar(label, elementIndex) ::= <<

```

```

<if(label)>
<label> = input.LA(1);
<endif>
matchAny(); <checkRuleBacktrackFailure()>
>>

wildcardCharListLabel(label, elementIndex) ::= <<
<wildcardChar(label, elementIndex)>
<listLabel(label, label)>
>>

/** Match a rule reference by invoking it possibly with arguments
 * and a return value or values. The 'rule' argument was the
 * target rule name, but now is type Rule, whose toString is
 * same: the rule name. Now though you can access full rule
 * descriptor stuff.
 */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
pushFollow(FOLLOW_<rule.name>_in_<ruleName><elementIndex>);
<if(label)><label>=<endif><if(scope)><scope.delegateName()>.<endif><rule.name>(<args; separator=", ">);
state._fsp--;
<checkRuleBacktrackFailure()>
>>

/** ids+=1 */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(rule,label,elementIndex,args,scope)>
<listLabel(label, label)>
>>

/** A lexer rule reference.
 *
 * The 'rule' argument was the target rule name, but now
 * is type Rule, whose toString is same: the rule name.
 * Now though you can access full rule descriptor stuff.
 */
lexerRuleRef(rule,label,args,elementIndex,scope) ::= <<
<if(label)>
int <label>Start<elementIndex> = getCharIndex();
int <label>StartLine<elementIndex> = getLine();
int <label>StartCharPos<elementIndex> = getCharPositionInLine();
<if(scope)><scope.delegateName()>.<endif>m<rule.name>(<args; separator=", ">);
<checkRuleBacktrackFailure()>
<label> = new <labelType>(input, Token.INVALID_TOKEN_TYPE, Token.DEFAULT_CHANNEL,
<label>Start<elementIndex>, getCharIndex()-1);
<label>.setLine(<label>StartLine<elementIndex>);
<label>.setCharPositionInLine(<label>StartCharPos<elementIndex>);
<else>

```

```

<if(scope)><scope:delegateName().<endif>m<rule.name>(<args; separator=", ">);
<checkRuleBacktrackFailure()>
<endif>
>>

/** i+=INT in lexer */
lexerRuleRefAndListLabel(rule,label,args,elementIndex,scope) ::= <<
<lexerRuleRef(rule,label,args,elementIndex,scope)>
<listLabel(label, label)>
>>

/** EOF in the lexer */
lexerMatchEOF(label,elementIndex) ::= <<
<if(label)>
int <label>Start<elementIndex> = getCharIndex();
int <label>StartLine<elementIndex> = getLine();
int <label>StartCharPos<elementIndex> = getCharPositionInLine();
match(EOF); <checkRuleBacktrackFailure()>
<labelType> <label> = new <labelType>(input, EOF, Token.DEFAULT_CHANNEL, <label>Start<elementIndex>,
getCharIndex()-1);
<label>.setLine(<label>StartLine<elementIndex>);
<label>.setCharPositionInLine(<label>StartCharPos<elementIndex>);
<else>
match(EOF); <checkRuleBacktrackFailure()>
<endif>
>>

// used for left-recursive rules
recRuleDefArg() ::= "int <recRuleArg()>"
recRuleArg() ::= "_p"
recRuleAltPredicate(ruleName,opPrec) ::= "<recRuleArg()> |<= <opPrec>"
recRuleSetResultAction() ::= "root_0=$<ruleName>_primary.tree;"
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>;"

/** match ^(root children) in tree parser */
tree(root, actionsAfterRoot, children, nullableChildList,
enclosingTreeLevel, treeLevel) ::= <<
<root:element()>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if (input.LA(1)==Token.DOWN) {
match(input, Token.DOWN, null); <checkRuleBacktrackFailure()>
<children:element()>
match(input, Token.UP, null); <checkRuleBacktrackFailure()>
}
<else>
match(input, Token.DOWN, null); <checkRuleBacktrackFailure()>
<children:element()>

```

```

match(input, Token.UP, null); <checkRuleBacktrackFailure()>
<endif>
>>

/** Every predicate is used as a validating predicate (even when it is
 * also hoisted into a prediction expression).
 */
validateSemanticPredicate(pred,description) ::= <<
if (!(<evalPredicate(pred,description)>)) {
 <ruleBacktrackFailure()>
 throw new FailedPredicateException(input, "<ruleName>", "<description>");
}
>>

// F i x e d D F A (if-then-else)

dfaState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
int LA<decisionNumber>_<stateNumber> = input.LA(<k>);
<edges; separator="\nelse ">
<if(!isTrue.(last(edges).labelExpr) && (!last(edges).predicates))>
else {
 <if(eotPredictsAlt)>
 alt<decisionNumber>=<eotPredictsAlt>;
 <else>
 <ruleBacktrackFailure()>
 <(nvaExceptionWrapperMap.(k))({NoViableAltException nvae =
 new NoViableAltException("<description>", <decisionNumber>, <stateNumber>, input);
 <@noViableAltException()>
 throw nvae;})>
 <endif>
 }
 <endif>
 >>

nvaExceptionWrapperMap ::= [
 "1":"wrapNvaExceptionForK1",
 "2":"wrapNvaExceptionForK2",
 default:"wrapNvaExceptionForKN"
]

wrapNvaExceptionForK1(exceptionCode) ::= <<
<exceptionCode>
>>

wrapNvaExceptionForK2(exceptionCode) ::= <<
int nvaeMark = input.mark();
try {
 input.consume();

```



```

<exceptionCode>
} finally {
input.rewind(nvaeMark);
}
>>

```

```

wrapNvaExceptionForKN(exceptionCode) ::= <<
int nvaeMark = input.mark();
try {
for (int nvaeConsume = 0; nvaeConsume \< <k> - 1; nvaeConsume++) {
input.consume();
}
<exceptionCode>
} finally {
input.rewind(nvaeMark);
}
>>

```

```

/** Same as a normal DFA state except that we don't examine lookahead
* for the bypass alternative. It delays error detection but this
* is faster, smaller, and more what people expect. For (X)? people
* expect "if (LA(1)==X) match(X);" and that's it.
*/

```

```

dfaOptionalBlockState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
int LA<decisionNumber>_<stateNumber> = input.LA(<k>);
<edges; separator="\nelse ">
>>

```

```

/** A DFA state that is actually the loopback decision of a closure
* loop. If end-of-token (EOT) predicts any of the targets then it
* should act like a default clause (i.e., no error can be generated).
* This is used only in the lexer so that for ('a')* on the end of a rule
* anything other than 'a' predicts exiting.
*/

```

```

dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
int LA<decisionNumber>_<stateNumber> = input.LA(<k>);
<edges; separator="\nelse ">
<if(eotPredictsAlt)>
<if(!edges)>
alt<decisionNumber>=<eotPredictsAlt>; <! if no edges, don't gen ELSE !>
<else>
else {
alt<decisionNumber>=<eotPredictsAlt>;
}
<endif>
<endif>
>>

```

```

/** An accept state indicates a unique alternative has been predicted */
dfaAcceptState(alt) ::= "alt<decisionNumber>=<alt>";

/** A simple edge with an expression. If the expression is satisfied,
 * enter to the target state. To handle gated productions, we may
 * have to evaluate some predicates for this edge.
 */
dfaEdge(labelExpr, targetState, predicates) ::= <<
if ((<labelExpr> <if(predicates)>&& (<predicates><endif>) {
 <targetState>
}
>>

// F i x e d D F A (switch case)

/** A DFA state where a SWITCH may be generated. The code generator
 * decides if this is possible: CodeGenerator.canGenerateSwitch().
 */
dfaStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch (input.LA(<k>)) {
<edges; separator="\n">
default:
<if(eotPredictsAlt)>
 alt<decisionNumber>=<eotPredictsAlt>;
<else>
 <ruleBacktrackFailure()>
 <(nvaExceptionWrapperMap.(k))({NoViableAltException nvae =
 new NoViableAltException("<description>", <decisionNumber>, <stateNumber>, input);
 <@noViableAltException()>
 throw nvae;})>
 <endif>
}
>>

dfaOptionalBlockStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch (input.LA(<k>)) {
 <edges; separator="\n">
}
>>

dfaLoopbackStateSwitch(k, edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch (input.LA(<k>)) {
<edges; separator="\n">
<if(eotPredictsAlt)>
default:
 alt<decisionNumber>=<eotPredictsAlt>;
 break;
<endif>
}
>>

```

```

}
>>

dfaEdgeSwitch(labels, targetState) ::= <<
<labels:{it |case <it>:}; separator="\n">
{
 <targetState>
}
break;
>>

// C y c l i c D F A

/** The code to initiate execution of a cyclic DFA; this is used
 * in the rule to predict an alt just like the fixed DFA case.
 * The <name> attribute is inherited via the parser, lexer, ...
 */
dfaDecision(decisionNumber,description) ::= <<
alt<decisionNumber> = dfa<decisionNumber>.predict(input);
>>

/* Dump DFA tables as run-length-encoded Strings of octal values.
 * Can't use hex as compiler translates them before compilation.
 * These strings are split into multiple, concatenated strings.
 * Java puts them back together at compile time thankfully.
 * Java cannot handle large static arrays, so we're stuck with this
 * encode/decode approach. See analysis and runtime DFA for
 * the encoding methods.
 */
cyclicDFA(dfa) ::= <<
static final String DFA<dfa.decisionNumber>_eotS =
 "<dfa.javaCompressedEOT; wrap="\n\t">";
static final String DFA<dfa.decisionNumber>_eofS =
 "<dfa.javaCompressedEOF; wrap="\n\t">";
static final String DFA<dfa.decisionNumber>_minS =
 "<dfa.javaCompressedMin; wrap="\n\t">";
static final String DFA<dfa.decisionNumber>_maxS =
 "<dfa.javaCompressedMax; wrap="\n\t">";
static final String DFA<dfa.decisionNumber>_acceptS =
 "<dfa.javaCompressedAccept; wrap="\n\t">";
static final String DFA<dfa.decisionNumber>_specialS =
 "<dfa.javaCompressedSpecial; wrap="\n\t">";
static final String[] DFA<dfa.decisionNumber>_transitionS = {
 <dfa.javaCompressedTransition:{s|<s; wrap="\n\t">}; separator=",\n">
};

static final short[] DFA<dfa.decisionNumber>_eot =
DFA.unpackEncodedString(DFA<dfa.decisionNumber>_eotS);

```

```

static final short[] DFA<dfa.decisionNumber>_eof =
DFA.unpackEncodedString(DFA<dfa.decisionNumber>_eofS);
static final char[] DFA<dfa.decisionNumber>_min =
DFA.unpackEncodedStringToUnsignedChars(DFA<dfa.decisionNumber>_minS);
static final char[] DFA<dfa.decisionNumber>_max =
DFA.unpackEncodedStringToUnsignedChars(DFA<dfa.decisionNumber>_maxS);
static final short[] DFA<dfa.decisionNumber>_accept =
DFA.unpackEncodedString(DFA<dfa.decisionNumber>_acceptS);
static final short[] DFA<dfa.decisionNumber>_special =
DFA.unpackEncodedString(DFA<dfa.decisionNumber>_specialS);
static final short[][] DFA<dfa.decisionNumber>_transition;

static {
int numStates = DFA<dfa.decisionNumber>_transitionS.length;
DFA<dfa.decisionNumber>_transition = new short[numStates][];
for (int i=0; i<numStates; i++) {
DFA<dfa.decisionNumber>_transition[i] = DFA.unpackEncodedString(DFA<dfa.decisionNumber>_transitionS[i]);
}
}

protected class DFA<dfa.decisionNumber> extends DFA {

public DFA<dfa.decisionNumber>(BaseRecognizer recognizer) {
this.recognizer = recognizer;
this.decisionNumber = <dfa.decisionNumber>;
this.eot = DFA<dfa.decisionNumber>_eot;
this.eof = DFA<dfa.decisionNumber>_eof;
this.min = DFA<dfa.decisionNumber>_min;
this.max = DFA<dfa.decisionNumber>_max;
this.accept = DFA<dfa.decisionNumber>_accept;
this.special = DFA<dfa.decisionNumber>_special;
this.transition = DFA<dfa.decisionNumber>_transition;
}
@Override
public String getDescription() {
return "<dfa.description>";
}
<@errorMethod()>
<if(dfa.specialStateSTs)>
@Override
public int specialStateTransition(int s, IntStream _input) throws NoViableAltException {
<if(LEXER)>
IntStream input = _input;
<endif>
<if(PARSER)>
TokenStream input = (TokenStream)_input;
<endif>
<if(TREE_PARSER)>

```

```

TreeNodeStream input = (TreeNodeStream)_input;
<endif>
int _s = s;
switch (s) {
<dfa.specialStateSTs:{state |
case <i0> : <! compressed special state numbers 0..n-1 !>
<state>}; separator="\n">
}
<if(backtracking)>
if (state.backtracking>0) {state.failed=true; return -1;}
<endif>
NoViableAltException nvae =
new NoViableAltException(getDescription(), <dfa.decisionNumber>, _s, input);
error(nvae);
throw nvae;
}
<endif>
}
>>

/** A state in a cyclic DFA; it's a special state and part of a big switch on
* state.
*/
cyclicDFAState(decisionNumber,stateNumber,edges,needErrorClause,semPredState) ::= <<
int LA<decisionNumber>_<stateNumber> = input.LA(1);
<if(semPredState)> <! get next lookahead symbol to test edges, then rewind !>
int index<decisionNumber>_<stateNumber> = input.index();
input.rewind();
<endif>
s = -1;
<edges; separator="\nelse ">
<if(semPredState)> <! return input cursor to state before we rewound !>
input.seek(index<decisionNumber>_<stateNumber>);
<endif>
if (s>=0) return s;
break;
>>

/** Just like a fixed DFA edge, test the lookahead and indicate what
* state to jump to next if successful.
*/
cyclicDFAEdge(labelExpr, targetStateNumber, edgeNumber, predicates) ::= <<
if ((<labelExpr> <if(predicates)>&& (<predicates>)<endif>) {s = <targetStateNumber>;}
>>

/** An edge pointing at end-of-token; essentially matches any char;
* always jump to the target.
*/

```

```

eotDFAEdge(targetStateNumber,edgeNumber, predicates) ::= <<
s = <targetStateNumber>;
>>

// D F A E X P R E S S I O N S

andPredicates(left,right) ::= "<left>&&<right>"

orPredicates(operands) ::= "<operands; separator=\\|\\>"

notPredicate(pred) ::= "!(<evalPredicate(pred,{}>)"

evalPredicate(pred,description) ::= "<pred>"

evalSynPredicate(pred,description) ::= "<pred>()"

lookaheadTest(atom,k,atomAsInt) ::= "LA<decisionNumber>_<stateNumber>==<atom>"

/** Sometimes a lookahead test cannot assume that LA(k) is in a temp variable
 * somewhere. Must ask for the lookahead directly.
 */
isolatedLookaheadTest(atom,k,atomAsInt) ::= "input.LA(<k>)==<atom>"

lookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= <%
(LA<decisionNumber>_<stateNumber> >= <lower> && LA<decisionNumber>_<stateNumber> \<= <upper>)
%>

isolatedLookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= "(input.LA(<k>) >= <lower>
&& input.LA(<k>) \<= <upper>)"

setTest(ranges) ::= <<
<ranges; separator="||">
>>

// A T T R I B U T E S

globalAttributeScope(scope) ::= <<
<if(scope.attributes)>
protected static class <scope.name>_scope {
<scope.attributes:{it |<it.decl>;}; separator="\n">
}
protected Stack\<<scope.name>_scope> <scope.name>_stack = new Stack\<<scope.name>_scope>();
<endif>
>>

ruleAttributeScope(scope) ::= <<
<if(scope)>

```

```

<if(scope.attributes)>
protected static class <scope.name>_scope {
 <scope.attributes:{it |<it.decl>;}; separator="\n">
}
protected Stack<<scope.name>_scope> <scope.name>_stack = new Stack<<scope.name>_scope>();
<endif>
<endif>
>>

returnStructName(r) ::= "<r.name>_return"

returnType(ruleDescriptor) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
<ruleDescriptor.grammar.recognizerName>.<ruleDescriptor:returnStructName()>
<elseif(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnType>
<else>
void
<endif>
%>

/** Generate the Java type associated with a single or multiple return
 * values.
 */
ruleLabelType(referencedRule) ::= <%
<if(referencedRule.hasMultipleReturnValues)>
<returnScopeBaseType()>
<elseif(referencedRule.hasSingleReturnValue)>
<referencedRule.singleValueReturnType>
<else>
void
<endif>
%>

delegateName(d) ::= <<
<if(d.label)><d.label><else>g<d.name><endif>
>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
<javaTypeInitMap.(typeName)>
>>

/** Define a rule label including default value */
ruleLabelDef(label) ::= <%
<ruleLabelType(referencedRule=label.referencedRule)> <label.label.text> =

```

```

<initValue(typeName=ruleLabelType(referencedRule=label.referencedRule))>;
%>

/** Define a return struct for a rule if the code needs to access its
 * start/stop tokens, tree stuff, attributes, ... Leave a hole for
 * subgroups to stick in members.
 */
returnScope(scope) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
public static class <ruleDescriptor.returnStructName()> extends <returnScopeBaseType()> {
<if(scope)><scope.attributes:{it |public <it.decl>;}; separator="\n"><endif>
<@ruleReturnMembers()>
};
<endif>
>>

returnScopeBaseType() ::= <%
<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope
%>

parameterScope(scope) ::= <<
<scope.attributes:{it |<it.decl>}; separator=", ">
>>

parameterAttributeRef(attr) ::= "<attr.name>"
parameterSetAttributeRef(attr,expr) ::= "<attr.name> =<expr>";

scopeAttributeRef(scope,attr,index,negIndex) ::= <%
<if(negIndex)>
<scope>_stack.elementAt(<scope>_stack.size()-<negIndex>-1).<attr.name>
<else>
<if(index)>
<scope>_stack.elementAt(<index>).<attr.name>
<else>
<scope>_stack.peek().<attr.name>
<endif>
<endif>
%>

scopeSetAttributeRef(scope,attr,expr,index,negIndex) ::= <%
<if(negIndex)>
<scope>_stack.elementAt(<scope>_stack.size()-<negIndex>-1).<attr.name> =<expr>;
<else>
<if(index)>
<scope>_stack.elementAt(<index>).<attr.name> =<expr>;
<else>
<scope>_stack.peek().<attr.name> =<expr>;
<endif>
<endif>
%>

```



```

<endif>
%>

/** $x is either global scope or x is rule with dynamic scope; refers
 * to stack itself not top of stack. This is useful for predicates
 * like { $function.size()>0 && $function::name.equals("foo") }?
 */
isolatedDynamicScopeRef(scope) ::= "<scope>_stack"

/** reference an attribute of rule; might only have single return value */
ruleLabelRef(referencedRule,scope,attr) ::= <%
<if(referencedRule.hasMultipleReturnValues)>
(<scope>!=null?(<<returnType(referencedRule)>><scope>).<attr.name>:<initValue(attr.type)>)
<else>
<scope>
<endif>
%>

returnAttributeRef(ruleDescriptor,attr) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name>
<else>
<attr.name>
<endif>
%>

returnSetAttributeRef(ruleDescriptor,attr,expr) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name> =<expr>;
<else>
<attr.name> =<expr>;
<endif>
%>

/** How to translate $tokenLabel */
tokenLabelRef(label) ::= "<label>"

/** ids+=ID {$ids} or e+=expr {$e} */
listLabelRef(label) ::= "list_<label>"

// not sure the next are the right approach

tokenLabelPropertyRef_text(scope,attr) ::= "<scope>!=null?<scope>.getText():null)"
tokenLabelPropertyRef_type(scope,attr) ::= "<scope>!=null?<scope>.getType():0)"
tokenLabelPropertyRef_line(scope,attr) ::= "<scope>!=null?<scope>.getLine():0)"
tokenLabelPropertyRef_pos(scope,attr) ::= "<scope>!=null?<scope>.getCharPositionInLine():0)"
tokenLabelPropertyRef_channel(scope,attr) ::= "<scope>!=null?<scope>.getChannel():0)"

```

```

tokenLabelPropertyRef_index(scope,attr) ::= "<scope>!=null?<scope>.getTokenIndex():0)"
tokenLabelPropertyRef_tree(scope,attr) ::= "<scope>_tree"
tokenLabelPropertyRef_int(scope,attr) ::= "<scope>!=null?Integer.valueOf(<scope>.getText():0)"

ruleLabelPropertyRef_start(scope,attr) ::= "<scope>!=null?(<castToLabelType({<scope>.start})>):null)"
ruleLabelPropertyRef_stop(scope,attr) ::= "<scope>!=null?(<castToLabelType({<scope>.stop})>):null)"
ruleLabelPropertyRef_tree(scope,attr) ::= "<scope>!=null?(<ASTLabelType><scope>.getTree():null)"
ruleLabelPropertyRef_text(scope,attr) ::= <%
<if(TREE_PARSER)>
<scope>!=null?(input.getTokenStream().toString(
input.getTreeAdaptor().getTokenStartIndex(<scope>.start),
input.getTreeAdaptor().getTokenStopIndex(<scope>.start)):null)
<else>
<scope>!=null?input.toString(<scope>.start,<scope>.stop):null)
<endif>
%>

ruleLabelPropertyRef_st(scope,attr) ::= "<scope>!=null?((StringTemplate)<scope>.getTemplate()):null)"

/** Isolated $RULE ref ok in lexer as it's a Token */
lexerRuleLabel(label) ::= "<label>"

lexerRuleLabelPropertyRef_type(scope,attr) ::=
"<scope>!=null?<scope>.getType():0)"
lexerRuleLabelPropertyRef_line(scope,attr) ::=
"<scope>!=null?<scope>.getLine():0)"
lexerRuleLabelPropertyRef_pos(scope,attr) ::=
"<scope>!=null?<scope>.getCharPositionInLine():-1)"
lexerRuleLabelPropertyRef_channel(scope,attr) ::=
"<scope>!=null?<scope>.getChannel():0)"
lexerRuleLabelPropertyRef_index(scope,attr) ::=
"<scope>!=null?<scope>.getTokenIndex():0)"
lexerRuleLabelPropertyRef_text(scope,attr) ::=
"<scope>!=null?<scope>.getText():null)"
lexerRuleLabelPropertyRef_int(scope,attr) ::=
"<scope>!=null?Integer.valueOf(<scope>.getText():0)"

// Somebody may ref $template or $tree or $stop within a rule:
rulePropertyRef_start(scope,attr) ::= "<castToLabelType(\"retval.start\")>"
rulePropertyRef_stop(scope,attr) ::= "<castToLabelType(\"retval.stop\")>"
rulePropertyRef_tree(scope,attr) ::= "retval.tree"
rulePropertyRef_text(scope,attr) ::= <%
<if(TREE_PARSER)>
input.getTokenStream().toString(
input.getTreeAdaptor().getTokenStartIndex(retval.start),
input.getTreeAdaptor().getTokenStopIndex(retval.start))
<else>
input.toString(retval.start,input.LT(-1))

```

```

<endif>
%>
rulePropertyRef_st(scope,attr) ::= "retval.st"

lexerRulePropertyRef_text(scope,attr) ::= "getText()"
lexerRulePropertyRef_type(scope,attr) ::= "_type"
lexerRulePropertyRef_line(scope,attr) ::= "state.tokenStartLine"
lexerRulePropertyRef_pos(scope,attr) ::= "state.tokenStartCharPositionInLine"
lexerRulePropertyRef_index(scope,attr) ::= "-1" // undefined token index in lexer
lexerRulePropertyRef_channel(scope,attr) ::= "_channel"
lexerRulePropertyRef_start(scope,attr) ::= "state.tokenStartCharIndex"
lexerRulePropertyRef_stop(scope,attr) ::= "(getCharIndex()-1)"
lexerRulePropertyRef_int(scope,attr) ::= "Integer.valueOf(<scope>.getText())"

// setting $st and $tree is allowed in local rule. everything else
// is flagged as error
ruleSetPropertyRef_tree(scope,attr,expr) ::= "retval.tree =<expr>";
ruleSetPropertyRef_st(scope,attr,expr) ::= "retval.st =<expr>";

/** How to execute an action (only when not backtracking) */
execAction(action) ::= <%
<if(backtracking)>
if (<actions.(actionScope).synpredgate>) {
 <action>
}
<else>
<action>
<endif>
%>

/** How to always execute an action even when backtracking */
execForcedAction(action) ::= "<action>"

// M I S C (properties, etc...)

bitset(name, words64) ::= <<
public static final BitSet <name> = new BitSet(new long[] { <words64: { it | <it>L }; separator="," > });
>>

codeFileExtension() ::= ".java"

true_value() ::= "true"
false_value() ::= "false"

isEmptyString ::= [
 "" : true,
 default : false
]

```

```
isTrue ::= [
 "true" : true,
 default : false
]
```

```
isDefaultLabelType ::= [
 "Token" : true,
 default : false
]
```

```
isPredefinedRewriteRule ::= [
 "topdown" : true,
 "bottomup" : true,
 default : false
]
```

```
castToLabelType(value) ::= <%
<if(!isDefaultLabelType.(labelType))>
(<labelType>
<endif>
<value>
>%
```

Found in path(s):

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/templates/Java/Java.stg

No license file was found, but licenses were detected in source scan.

```
/*
 * [The "BSD license"]
 * Copyright (c) 2011 Terence Parr
 * All rights reserved.
 *
 * Conversion to C#:
 * Copyright (c) 2011 Sam Harwell, Pixel Mine, Inc.
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 *
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 *
```

```

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* THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/

```

```

csharpVisibilityMap ::= [
 "private":"private",
 "protected":"protected",
 "public":"public",
 "fragment":"private",
 default:"private"
]

```

```

/** The overall file structure of a recognizer; stores methods for rules
* and cyclic DFAs plus support code.
*/

```

```

outputFile(LEXER,PARSER,TREE_PARSER, actionScope, actions,
 docComment, recognizer,
 name, tokens, tokenNames, rules, cyclicDFAs,
 bitsets, buildTemplate, buildAST, rewriteMode, profile,
 backtracking, synpreds, memoize, numRules,
 fileName, ANTLRVersion, generatedTimestamp, trace,
 scopes, superClass, literals) ::=

```

```
<<
```

```
//-----
```

```
// <auto-generated>
```

```
// This code was generated by a tool.
```

```
// ANTLR Version: <ANTLRVersion>
```

```
//
```

```
// Changes to this file may cause incorrect behavior and will be lost if
```

```
// the code is regenerated.
```

```
// </auto-generated>
```

```
//-----
```

```
// $ANTLR <ANTLRVersion> <fileName> <generatedTimestamp>
```

```
// The variable 'variable' is assigned but its value is never used.
```

```
#pragma warning disable 219
```

```
// Unreachable code detected.
```

```
#pragma warning disable 162
```

```
// Missing XML comment for publicly visible type or member 'Type_or_Member'
```

```

#pragma warning disable 1591
// CLS compliance checking will not be performed on 'type' because it is not visible from outside this assembly.
#pragma warning disable 3019

<actions.(actionScope).header>

<@imports>
using System.Collections.Generic;
using Antlr.Runtime;
using Antlr.Runtime.Misc;
<if(TREE_PARSER)>
using Antlr.Runtime.Tree;
using RewriteRuleITokenStream = Antlr.Runtime.Tree.RewriteRuleTokenStream;
<endif>
<@end>
<if(actions.(actionScope).namespace)>
namespace <actions.(actionScope).namespace>
{
<endif>
<docComment>
<recognizer>
<if(actions.(actionScope).namespace)>

} // namespace <actions.(actionScope).namespace>
<endif>
>>

lexerInputStreamType() ::= <<
<actions.(actionScope).inputStreamType; null="ICharStream">
>>

lexer(grammar, name, tokens, scopes, rules, numRules, filterMode, labelType="CommonToken",
superClass={ <if(actions.(actionScope).superClass)><actions.(actionScope).superClass><else>Antlr.Runtime.Lexer
<endif>},
rewriteElementType={}, ASTLabelType={}) ::= <<
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<ANTLRVersion>")]
[System.CLSCompliant(false)]
<parserModifier(grammar=grammar, actions=actions)> partial class <grammar.recognizerName> :
<@superClassName><superClass><@end>
{
<tokens: {it|public const int <it.name; format="id">=<it.type>;}; separator="\n">
<scopes: {it|<if(it.isDynamicGlobalScope)><globalAttributeScope(scope=it)><endif>}>
<actions.lexer.members>

// delegates
<grammar.delegates:
{g|private <g.recognizerName> <g.delegateName()>;}; separator="\n">
// delegators

```

```

<grammar.delegates:
 { g|private <g.recognizerName> <g.delegateName(>);}; separator="\n">
<last(grammar.delegates):{ g|private <g.recognizerName> gParent; }>

<actions.(actionScope).ctorModifier; null="public"> <grammar.recognizerName>(<! needed by subclasses !>
{
 OnCreated();
}

<actions.(actionScope).ctorModifier; null="public"> <grammar.recognizerName>(<lexerInputStreamType(>
input<grammar.delegates:{ g|, <g.recognizerName> <g.delegateName(>}&>)
: this(input, new RecognizerSharedState(<grammar.delegates:{ g|, <g.delegateName(>}&>))
{
}

<actions.(actionScope).ctorModifier; null="public"> <grammar.recognizerName>(<lexerInputStreamType(> input,
RecognizerSharedState state<grammar.delegates:{ g|, <g.recognizerName> <g.delegateName(>}&>))
: base(input, state)
{
<if(memoize)>
<if(grammar.grammarIsRoot)>
 state.ruleMemo = new System.Collections.Generic.Dictionary<int, int>[<numRules>+1];<\n><! index from 1..n !>
<endif>
<endif>
 <grammar.directDelegates:
 { g|<g.delegateName(> = new <g.recognizerName>(input, this.state<trunc(g.delegates):{ p|,
<p:delegateName(>}&>, this);}; separator="\n">
 <grammar.delegates:
 { g|this.<g.delegateName(> = <g.delegateName(>);}; separator="\n">
 <last(grammar.delegates):{ g|gParent = <g.delegateName(>};}>

 OnCreated();
}
public override string GrammarFileName { get { return "<fileName>"; } }

<if(grammar.hasDelegates)>
public override <lexerInputStreamType(> CharStream
{
 get
 {
 return base.CharStream;
 }
 set
 {
 base.CharStream = value;
 <grammar.directDelegates:
 { g|<g.delegateName(> = new <g.recognizerName>(input, state<trunc(g.delegates):{ p|, <p:delegateName(>}&>,
this);}; separator="\n">

```

```

<grammar.delegators:
 {g|this.<g:delegateName()> = <g:delegateName()>;}; separator="\n">
<last(grammar.delegators):{g|gParent = <g:delegateName()>;}>
}
}

<if(grammar.delegates)>
public override void SetState(RecognizerSharedState state)
{
 base.SetState(state);
 <grammar.delegates:{g|<g:delegateName()>.SetState(state);}; separator="\n">
}
<endif>

<endif>
<if(filterMode)>
 <filteringNextToken()>
<endif>

partial void OnCreated();
partial void EnterRule(string ruleName, int ruleIndex);
partial void LeaveRule(string ruleName, int ruleIndex);

<rules; separator="\n">

<insertLexerSynpreds(synpreds)>

#region DFA
<cyclicDFAs:{dfa | DFA<dfa.decisionNumber> dfa<dfa.decisionNumber>;}; separator="\n">

protected override void InitDFAs()
{
 base.InitDFAs();
 <cyclicDFAs:{dfa | dfa<dfa.decisionNumber> = new DFA<dfa.decisionNumber>(this<if(dfa.specialStateSTs)>,
SpecialStateTransition<dfa.decisionNumber><endif>;}; separator="\n">
}

<cyclicDFAs:cyclicDFA()><! dump tables for all DFA !>
#endregion

}
>>

/** A override of Lexer.nextToken() that backtracks over mTokens() looking
 * for matches. No error can be generated upon error; just rewind, consume
 * a token and then try again. backtracking needs to be set as well.
 * Make rule memoization happen only at levels above 1 as we start mTokens

```



```

* at backtracking==1.
*/
filteringNextToken() ::= <<
public override IToken NextToken()
{
while (true)
{
if (input.LA(1) == CharStreamConstants.EndOfFile)
{
IToken eof = new CommonToken((ICharStream)input, CharStreamConstants.EndOfFile, TokenChannels.Default,
input.Index, input.Index);
eof.Line = Line;
eof.CharPositionInLine = CharPositionInLine;
return eof;
}
state.token = null;
state.channel = TokenChannels.Default;
state.tokenStartCharIndex = input.Index;
state.tokenStartCharPositionInLine = input.CharPositionInLine;
state.tokenStartLine = input.Line;
state.text = null;
try
{
int m = input.Mark();
state.backtracking=1;<! means we won't throw slow exception !>
state.failed=false;
mTokens();
state.backtracking=0;
<! mTokens backtracks with synpred at backtracking==2
and we set the synpredgate to allow actions at level 1. !>
if (state.failed)
{
input.Rewind(m);
input.Consume();<! advance one char and try again !>
}
else
{
Emit();
return state.token;
}
}
catch (RecognitionException re)
{
// shouldn't happen in backtracking mode, but...
ReportError(re);
Recover(re);
}
}
}

```

```

}

public override void Memoize(IIntStream input, int ruleIndex, int ruleStartIndex)
{
 if (state.backtracking > 1)
 base.Memoize(input, ruleIndex, ruleStartIndex);
}

public override bool AlreadyParsedRule(IIntStream input, int ruleIndex)
{
 if (state.backtracking > 1)
 return base.AlreadyParsedRule(input, ruleIndex);

 return false;
}
>>

actionGate() ::= "state.backtracking == 0"

filteringActionGate() ::= "state.backtracking == 1"

/** How to generate a parser */
genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
 bitsets, inputStreamType, superClass,
 labelType, members, rewriteElementType,
 filterMode, ASTLabelType="object") ::= <<
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<ANTLRVersion>")]
[System.CLSCompliant(false)]
<parserModifier(grammar=grammar, actions=actions)> partial class <grammar.recognizerName> :
<@superClassName><superClass><@end>
{
<if(grammar.grammarIsRoot)>
 internal static readonly string[] tokenNames = new string[] {
 "\<invalid>", "\<EOR>", "\<DOWN>", "\<UP>", <tokenNames; separator=", ">
 };
<endif>
 <tokens:{it|public const int <it.name; format="id">=<it.type>;}; separator="\n">

<if(grammar.delegates)>
 // delegates
 <grammar.delegates:
 {g|private <g.recognizerName> <g.delegateName(>);}; separator="\n">
 <endif>
<if(grammar.delegators)>
 // delegators
 <grammar.delegators:
 {g|private <g.recognizerName> <g.delegateName(>);}; separator="\n">
 <last(grammar.delegators):{g|private <g.recognizerName> gParent;}>

```

```

<endif>

<if(grammar.delegates)>
public override void SetState(RecognizerSharedState state)
{
 base.SetState(state);
 <grammar.delegates:{g|<g:delegateName().SetState(state);}; separator="\n">
}

<if(TREE_PARSER)>
public override void SetTreeNodeStream(ITreeNodeStream input)
{
 base.SetTreeNodeStream(input);
 <grammar.delegates:{g|<g:delegateName().SetTreeNodeStream(input);}; separator="\n">
}
<endif>
<endif>

<scopes: {it|<if(it.isDynamicGlobalScope)><globalAttributeScope(scope=it)><endif>}>
<@members()>

public override string[] TokenNames { get { return
<grammar.composite.rootGrammar.recognizerName>.tokenNames; } }
public override string GrammarFileName { get { return "<fileName>"; } }

<members>

partial void OnCreated();
partial void EnterRule(string ruleName, int ruleIndex);
partial void LeaveRule(string ruleName, int ruleIndex);

#region Rules
<rules; separator="\n">
#endregion Rules

<if(grammar.delegatedRules)>
<! generate rule/method definitions for imported rules so they
appear to be defined in this recognizer. !>
#region Delegated rules
<grammar.delegatedRules:{ruleDescriptor|
 <ruleModifier(grammar=grammar,ruleDescriptor=ruleDescriptor)> <return Type(ruleDescriptor)>
 <ruleDescriptor.name; format="id"><ruleDescriptor.parameterScope:parameterScope()><!throws
RecognitionException !>{ <if(ruleDescriptor.hasReturnValue)>return
<endif><ruleDescriptor.grammar:delegateName().<ruleDescriptor.name;
format="id"><ruleDescriptor.parameterScope><ruleDescriptor.parameterScope.attributes:{a|<a.name;
format="id">}; separator=", "><endif>}; \}}; separator="\n">
#endregion Delegated rules
<endif>

```

```

<insertSynpreds(synpreds)>

<if(cyclicDFAs)>
#region DFA
<cyclicDFAs:{ dfa | private DFA<dfa.decisionNumber> dfa<dfa.decisionNumber>;}; separator="\n">

protected override void InitDFAs()
{
 base.InitDFAs();
 <cyclicDFAs:{ dfa | dfa<dfa.decisionNumber> = new DFA<dfa.decisionNumber>(this<if(dfa.specialStateSTs)>,
SpecialStateTransition<dfa.decisionNumber><endif>);}; separator="\n">
}

<cyclicDFAs:cyclicDFA()><! dump tables for all DFA !>
#endregion DFA
<endif>

<if(bitsets)>
#region Follow sets
private static class Follow
{
 <bitsets:{ it|<bitset(name=_<it.name>_in_<it.inName><it.tokenIndex>), words64=it.bits}>; separator="\n">
}
#endregion Follow sets
<endif>
}
>>

@genericParser.members() ::= <<
<! WARNING. bug in ST: this is cut-n-paste into Dbg.stg !>
<actions.(actionScope).ctorModifier; null="public"> <grammar.recognizerName><(inputStreamType>
input<grammar.delegators:{g|, <g.recognizerName> <g.delegateName()>}>>
: this(input, new RecognizerSharedState()<grammar.delegators:{g|, <g.delegateName()>}>>
{
}
<actions.(actionScope).ctorModifier; null="public"> <grammar.recognizerName><(inputStreamType> input,
RecognizerSharedState state<grammar.delegators:{g|, <g.recognizerName> <g.delegateName()>}>>
: base(input, state)
{
<if(grammar.directDelegates)>
<grammar.directDelegates:
{g|<g.delegateName()> = new <g.recognizerName>(input, state<trunc(g.delegators):{p|, <p.delegateName()>}>,
this);}; separator="\n">
<endif>
<if(grammar.indirectDelegates)>
<grammar.indirectDelegates:{g | <g.delegateName()> = <g.delegator.delegateName()>.<g.delegateName()>};
separator="\n">

```

```

<endif>
<if(grammar.delegators)>
 <last(grammar.delegators):{g|gParent = <g:delegateName(>};}>
<endif>
<parserCtorBody()>
 OnCreated();
}
>>

// imported grammars are 'public' (can't be internal because their return scope classes must be accessible)
parserModifier(grammar, actions) ::= <<
<if(grammar.grammarIsRoot)><actions.(actionScope).modifier; null="public"><else>public<endif>
>>

parserCtorBody() ::= <<
<if(memoize)>
<if(grammar.grammarIsRoot)>
this.state.ruleMemo = new System.Collections.Generic.Dictionary<int,
int>[<length(grammar.allImportedRules)>+1];<n><! index from 1..n !>
<endif>
<endif>
<grammar.delegators:
{g|this.<g:delegateName(> = <g:delegateName(>}; separator="\n">
>>

parser(grammar, name, scopes, tokens, tokenNames, rules, numRules, bitsets,
 ASTLabelType="object",
superClass={<if(actions.(actionScope).superClass)><actions.(actionScope).superClass><else>Antlr.Runtime.Parser
<endif>}, labelType="IToken",
 members={<actions.parser.members>}) ::= <<
<genericParser(inputStreamType="ITokenStream", rewriteElementType="IToken", filterMode=false, ...)>
>>

/** How to generate a tree parser; same as parser except the input
 * stream is a different type.
 */
treeParser(grammar, name, scopes, tokens, tokenNames, globalAction, rules,
 numRules, bitsets, filterMode, labelType={<ASTLabelType>}, ASTLabelType="object",
superClass={<if(actions.(actionScope).superClass)><actions.(actionScope).superClass><else>Antlr.Runtime.Tree.<
if(filterMode)><if(buildAST)>TreeRewriter<else>TreeFilter<endif><else>TreeParser<endif><endif>},
 members={<actions.treeparser.members>}) ::= <<
<genericParser(inputStreamType="ITreeNodeStream", rewriteElementType="Node", ...)>
>>

/** A simpler version of a rule template that is specific to the imaginary
 * rules created for syntactic predicates. As they never have return values
 * nor parameters etc..., just give simplest possible method. Don't do
 * any of the normal memoization stuff in here either; it's a waste.

```

```

* As predicates cannot be inlined into the invoking rule, they need to
* be in a rule by themselves.
*/
synpredRule(ruleName, ruleDescriptor, block, description, nakedBlock) ::=
<<

partial void EnterRule_<ruleName>_fragment();
partial void LeaveRule_<ruleName>_fragment();

// $ANTLR start <ruleName>
<ruleModifier(grammar=grammar,ruleDescriptor=ruleDescriptor)> void
<ruleName>_fragment(<ruleDescriptor.parameterScope:parameterScope(>
{
 <ruleLabelDefs(...)>
 EnterRule_<ruleName>_fragment();
 EnterRule("<ruleName>_fragment", <ruleDescriptor.index>);
 TraceIn("<ruleName>_fragment", <ruleDescriptor.index>);
 try
 {
 <block>
 }
 finally
 {
 TraceOut("<ruleName>_fragment", <ruleDescriptor.index>);
 LeaveRule("<ruleName>_fragment", <ruleDescriptor.index>);
 LeaveRule_<ruleName>_fragment();
 }
}
// $ANTLR end <ruleName>
>>

insertLexerSynpreds(synpreds) ::= <<
<insertSynpreds(synpreds)>
>>

insertSynpreds(synpreds) ::= <<
<if(synpreds)>
#region Synpreds
private bool EvaluatePredicate(System.Action fragment)
{
 bool success = false;
 state.backtracking++;
 <@start(>
 try { DebugBeginBacktrack(state.backtracking);
 int start = input.Mark();
 try
 {
 fragment();

```

```

 }
 catch (RecognitionException re)
 {
 System.Console.Error.WriteLine("impossible: "+re);
 }
 success = !state.failed;
 input.Rewind(start);
 } finally { DebugEndBacktrack(state.backtracking, success); }
 <@stop()>
 state.backtracking--;
 state.failed=false;
 return success;
 }
#endregion Synpreds
<endif>
>>

ruleMemoization(name) ::= <<
<if(memoize)>
if (state.backtracking > 0 && AlreadyParsedRule(input, <ruleDescriptor.index>)) { <returnFromRule()> }
<endif>
>>

/** How to test for failure and return from rule */
checkRuleBacktrackFailure() ::= <<
<if(backtracking)>if (state.failed) <returnFromRule()><endif>
>>

/** This rule has failed, exit indicating failure during backtrack */
ruleBacktrackFailure() ::= <<
<if(backtracking)>if (state.backtracking>0) { state.failed=true; <returnFromRule()>}<endif>
>>

ruleWrapperMap ::= [
 "bottomup":{<ruleWrapperBottomup()>},
 "topdown":{<ruleWrapperTopdown()>},
 default:""
]

ruleWrapperBottomup() ::= <<
<if(TREE_PARSER && filterMode)>
protected override <if(buildAST)>IAstRuleReturnScope<else>void<endif> Bottomup() { <if(buildAST)>return
<endif>bottomup(); }
<endif>
>>

ruleWrapperTopdown() ::= <<
<if(TREE_PARSER && filterMode)>

```

```

protected override <if(buildAST)>IAstRuleReturnScope<else>void<endif> Topdown() { <if(buildAST)>return
<endif>topdown(); }
<endif>
>>

/** How to generate code for a rule. This includes any return type
 * data aggregates required for multiple return values.
 */
rule(ruleName,ruleDescriptor,block,emptyRule,description,exceptions,finally,memoize) ::= <<
<ruleAttributeScope(scope=ruleDescriptor.ruleScope)>
<returnScope(ruleDescriptor.returnScope)>
partial void EnterRule_<ruleName>();
partial void LeaveRule_<ruleName>();
<ruleWrapperMap.(ruleName)>
// $ANTLR start "<ruleName>"
// <fileName>:<description>
[GrammarRule("<ruleName>")]
<ruleModifier(grammar=grammar,ruleDescriptor=ruleDescriptor)> <returnType(ruleDescriptor)> <ruleName>;
format="id">(<ruleDescriptor.parameterScope:parameterScope(>>)
{
 EnterRule_<ruleName>();
 EnterRule("<ruleName>", <ruleDescriptor.index>);
 TraceIn("<ruleName>", <ruleDescriptor.index>);
 <ruleScopeSetUp(>
 <ruleDeclarations(>
 <ruleLabelDefs(...)>
 <ruleDescriptor.actions.init>
 try { DebugEnterRule(GrammarFileName, "<ruleName>");
 DebugLocation(<ruleDescriptor.tree.line>, <ruleDescriptor.EORNode.charPositionInLine>);
 <@preamble(>
 try
 {
 <ruleMemoization(name=ruleName)>
 <block>
 <ruleCleanUp(>
 <(ruleDescriptor.actions.after):execAction(>
 }
 <if(exceptions)>
 <exceptions: {e|<catch(decl=e.decl,action=e.action)><\n>}>
 <else>
 <if(!emptyRule)>
 <if(actions.(actionScope).rulecatch)>
 <actions.(actionScope).rulecatch>
 <else>
 catch (RecognitionException re)
 {
 ReportError(re);
 Recover(input,re);

```



```

 <@setErrorReturnValue()>
 }
<endif>
<endif>
<endif>
finally
{
 TraceOut("<ruleName>", <ruleDescriptor.index>);
 LeaveRule("<ruleName>", <ruleDescriptor.index>);
 LeaveRule_<ruleName>();
 <memoize()>
 <ruleScopeCleanUp()>
 <finally>
 }
 DebugLocation(<ruleDescriptor.EORNode.line>, <ruleDescriptor.EORNode.charPositionInLine>);
} finally { DebugExitRule(GrammarFileName, "<ruleName>"); }
<@postamble()>
<returnFromRule()><\n>
}
// $ANTLR end "<ruleName>"
>>

// imported grammars need to have internal rules
ruleModifier(grammar,ruleDescriptor) ::= <<
<if(grammar.grammarIsRoot)><csharpVisibilityMap.(ruleDescriptor.modifier);
null="private"><else>internal<endif>
>>

// imported grammars need to have public return scopes
returnScopeModifier(grammar,ruleDescriptor) ::= <<
<if(grammar.grammarIsRoot)><csharpVisibilityMap.(ruleDescriptor.modifier);
null="private"><else>public<endif>
>>

catch(decl,action) ::= <<
catch (<e.decl>)
{
 <e.action>
}
>>

ruleDeclarations() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<returnType(ruleDescriptor)> retval = new
<returnType(ruleDescriptor)><(if(ruleDescriptor.returnScope.attributes)>this<endif>);
retval.Start = (<labelType>)input.LT(1);
<elseif(ruleDescriptor.returnScope)>
<ruleDescriptor.returnScope.attributes>: { a |

```

```

<a.type> <a.name; format="id"> = <if(a.initValue)><a.initValue><else><initValue(a.type)><endif>;
}>
<endif>
<if(memoize)>
int <ruleDescriptor.name>_startIndex = input.Index;
<endif>
>>

ruleScopeSetUp() ::= <<
<ruleDescriptor.useScopes: {it|<it>_stack.Push(new <it>_scope(this));<it>_scopeInit(<it>_stack.Peek());};
separator="\n">
<ruleDescriptor.ruleScope: {it|<it.name>_stack.Push(new
<it.name>_scope(this));<it.name>_scopeInit(<it.name>_stack.Peek());}; separator="\n">
>>

ruleScopeCleanUp() ::= <<
<ruleDescriptor.useScopes: {it|<it>_scopeAfter(<it>_stack.Peek());<it>_stack.Pop();}; separator="\n">
<ruleDescriptor.ruleScope: {it|<it.name>_scopeAfter(<it.name>_stack.Peek());<it.name>_stack.Pop();};
separator="\n">
>>

ruleLabelDefs(ruleDescriptor, labelType, ASTLabelType, rewriteElementType) ::= <<
<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels,ruleDescriptor.wildcardTreeLabels,ruleDescriptor.wildcardTreeListLabels]
: {it|<labelType> <it.label.text> = default(<labelType>);}; separator="\n"
>
<ruleDescriptor.tokenListLabels
: {it|List<<labelType>> list_<it.label.text> = null;}; separator="\n"
>
<[ruleDescriptor.ruleListLabels,ruleDescriptor.wildcardTreeListLabels]
: {it|List<<ASTLabelType>> list_<it.label.text> = null;}; separator="\n"
>
<ruleDescriptor.ruleLabels:ruleLabelDef(); separator="\n">
<ruleDescriptor.ruleListLabels:ruleLabelDef(); separator="\n">
>>

lexerRuleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]
: {it|<labelType> <it.label.text> = default(<labelType>);}; separator="\n"
>
<[ruleDescriptor.charListLabels,
ruleDescriptor.charLabels]
: {it|int <it.label.text> = 0;}; separator="\n"
>
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels]

```

```

: {it|List|<<labelType>> list_<it.label.text> = null;}; separator="\n"
>
<ruleDescriptor.charListLabels: {it|List|<int> list_<it.label.text> = null;}; separator="\n"
>
>>

returnFromRule() ::= <%
return
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasReturnValue)>
<if(ruleDescriptor.hasSingleReturnValue)>
<! This comment is a hack to make sure the following
 single space appears in the output. !> <ruleDescriptor.singleValueReturnName>
<else>
<!!> retval
<endif>
<endif>
<endif>
;
%>

ruleCleanUp() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!TREE_PARSER)>
retval.Stop = (<labelType>)input.LT(-1);
<endif>
<endif>
>>

memoize() ::= <<
<if(memoize)>
<if(backtracking)>
if (state.backtracking > 0) { Memoize(input, <ruleDescriptor.index>, <ruleDescriptor.name>_StartIndex); }
<endif>
<endif>
>>

/** How to generate a rule in the lexer; naked blocks are used for
 * fragment rules.
 */
lexerRule(ruleName,nakedBlock,ruleDescriptor,block,memoize) ::= <<

partial void EnterRule_<ruleName>();
partial void LeaveRule_<ruleName>();

// $ANTLR start "<ruleName>"
[GrammarRule("<ruleName>")]
<ruleModifier(grammar=grammar,ruleDescriptor=ruleDescriptor)> void

```

```

m<ruleName>(<ruleDescriptor.parameterScope:parameterScope(>>)
{
 EnterRule_<ruleName>();
 EnterRule("<ruleName>", <ruleDescriptor.index>);
 TraceIn("<ruleName>", <ruleDescriptor.index>);
 <ruleScopeSetUp()>
 <ruleDeclarations()>
 try
 {
 <if(nakedBlock)>
 <ruleMemoization(name=ruleName)>
 <lexerRuleLabelDefs()>
 <ruleDescriptor.actions.init>
 <block>
 <else>
 int _type = <ruleName>;
 int _channel = DefaultTokenChannel;
 <ruleMemoization(name=ruleName)>
 <lexerRuleLabelDefs()>
 <ruleDescriptor.actions.init>
 <block>
 <ruleCleanUp()>
 state.type = _type;
 state.channel = _channel;
 <(ruleDescriptor.actions.after):execAction()>
 <endif>
 }
 finally
 {
 TraceOut("<ruleName>", <ruleDescriptor.index>);
 LeaveRule("<ruleName>", <ruleDescriptor.index>);
 LeaveRule_<ruleName>();
 <ruleScopeCleanUp()>
 <memoize()>
 }
}
// $ANTLR end "<ruleName>"
>>

/** How to generate code for the implicitly-defined lexer grammar rule
 * that chooses between lexer rules.
 */
tokensRule(ruleName,nakedBlock,args,block,ruleDescriptor) ::= <<

public override void mTokens()
{
 <block><\n>
}

```

>>

// S U B R U L E S

/\*\* A (...) subrule with multiple alternatives \*/

block(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<

// <fileName>:<description>

int alt<decisionNumber>=<maxAlt>;

<decls>

<@predecision()>

try { DebugEnterSubRule(<decisionNumber>);

try { DebugEnterDecision(<decisionNumber>, false<!<decision.dfa.hasSynPred>!>);

<decision>

} finally { DebugExitDecision(<decisionNumber>); }

<@postdecision()>

<@prebranch()>

switch (alt<decisionNumber>)

{

<alts:{a|altSwitchCase(i,a)}>>

}

} finally { DebugExitSubRule(<decisionNumber>); }

<@postbranch()>

>>

/\*\* A rule block with multiple alternatives \*/

ruleBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<

// <fileName>:<description>

int alt<decisionNumber>=<maxAlt>;

<decls>

<@predecision()>

try { DebugEnterDecision(<decisionNumber>, false<!<decision.dfa.hasSynPred>!>);

<decision>

} finally { DebugExitDecision(<decisionNumber>); }

<@postdecision()>

switch (alt<decisionNumber>)

{

<alts:{a|altSwitchCase(i,a)}>>

}

>>

ruleBlockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<

// <fileName>:<description>

<decls>

<@prealt()>

DebugEnterAlt(1);

<alts>

<@postalt()>

>>

```

/** A special case of a (...) subrule with a single alternative */
blockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
// <fileName>:<description>
<decls>
<@prealt()>
DebugEnterAlt(1);
<alts>
<@postalt()>
>>

/** A (..)+ block with 1 or more alternatives */
positiveClosureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
// <fileName>:<description>
int cnt<decisionNumber>=0;
<decls>
<@preloop()>
try { DebugEnterSubRule(<decisionNumber>);
while (true)
{
int alt<decisionNumber>=<maxAlt>;
<@predecision()>
try { DebugEnterDecision(<decisionNumber>, false!<decision.dfa.hasSynPred!>);
<decision>
} finally { DebugExitDecision(<decisionNumber>); }
<@postdecision()>
switch (alt<decisionNumber>)
{
<alts:{a|altSwitchCase(i,a)}>
default:
if (cnt<decisionNumber> >= 1)
goto loop<decisionNumber>;

<ruleBacktrackFailure()>
EarlyExitException eee<decisionNumber> = new EarlyExitException(<decisionNumber>, input);
DebugRecognitionException(eee<decisionNumber>);
<@earlyExitException()>
throw eee<decisionNumber>;
}
cnt<decisionNumber>++;
}
loop<decisionNumber>:
;

} finally { DebugExitSubRule(<decisionNumber>); }
<@postloop()>
>>

```

positiveClosureBlockSingleAlt ::= positiveClosureBlock

/\*\* A (..)\* block with 1 or more alternatives \*/

closureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::=

<<

// <fileName>:<description>

<decls>

<@preloop()>

try { DebugEnterSubRule(<decisionNumber>);

while (true)

{

int alt<decisionNumber>=<maxAlt>;

<@predecision()>

try { DebugEnterDecision(<decisionNumber>, false<!<decision.dfa.hasSynPred>!>);

<decision>

} finally { DebugExitDecision(<decisionNumber>); }

<@postdecision()>

switch ( alt<decisionNumber> )

{

<alts:{a|<altSwitchCase(i,a)>}>

default:

goto loop<decisionNumber>;

}

}

loop<decisionNumber>:

;

} finally { DebugExitSubRule(<decisionNumber>); }

<@postloop()>

>>

closureBlockSingleAlt ::= closureBlock

/\*\* Optional blocks (x)? are translated to (x|) by before code generation

\* so we can just use the normal block template

\*/

optionalBlock ::= block

optionalBlockSingleAlt ::= block

/\*\* A case in a switch that jumps to an alternative given the alternative

\* number. A DFA predicts the alternative and then a simple switch

\* does the jump to the code that actually matches that alternative.

\*/

altSwitchCase(altNum,alt) ::= <<

case <altNum>:

```

<@prealt()>
DebugEnterAlt(<altNum>);
<alt>
break;<\n>
>>

/** An alternative is just a list of elements; at outermost level */
alt(elements,altNum,description,autoAST,outerAlt,treeLevel,rew) ::= <<
// <fileName>:<description>
{
<@declarations()>
<elements:element()>
<rew>
<@cleanup()>
}
>>

/** What to emit when there is no rewrite. For auto build
* mode, does nothing.
*/
noRewrite(rewriteBlockLevel, treeLevel) ::= ""

// E L E M E N T S

/** Dump the elements one per line */
element(it) ::= <%
<@prematch()>
DebugLocation(<it.line>, <it.pos>);<\n>
<it.el><\n>
%>

/** match a token optionally with a label in front */
tokenRef(token,label,elementIndex,terminalOptions={}) ::= <<
<if(label)><label>=<labelType><endif>Match(input,<token>,Follow._<token>_in_<ruleName><elementIndex>);
<checkRuleBacktrackFailure()>
>>

/** ids+=ID */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRef(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

listLabel(label,elem) ::= <<
#error The listLabel template should not be used with this target.<\n>
>>

listLabelElem(label,elem,elemType) ::= <<

```



```

if (list_<label>==null) list_<label>=new List<<elemType; null={ <labelType>}>>();
list_<label>.Add(<elem>);<\n>
>>

/** match a character */
charRef(char,label) ::= <<
<if(label)>
<label> = input.LA(1);<\n>
<endif>
Match(<char>); <checkRuleBacktrackFailure()>
>>

/** match a character range */
charRangeRef(a,b,label) ::= <<
<if(label)>
<label> = input.LA(1);<\n>
<endif>
MatchRange(<a>,); <checkRuleBacktrackFailure()>
>>

/** For now, sets are interval tests and must be tested inline */
matchSet(s,label,elementIndex,postmatchCode="",terminalOptions={}) ::= <<
<if(label)>
<matchSetLabel()>
<endif>
if (<s>)
{
input.Consume();
<postmatchCode>
<if(!LEXER)>state.errorRecovery=false;<endif><if(backtracking)>state.failed=false;<endif>
}
else
{
<ruleBacktrackFailure()>
MismatchedSetException mse = new MismatchedSetException(null,input);
DebugRecognitionException(mse);
<@mismatchedSetException()>
<if(LEXER)>
Recover(mse);
throw mse;
<else>
throw mse;
<! use following code to make it recover inline; remove throw mse;
recoverFromMismatchedSet(input,mse,Follow._set_in_<ruleName><elementIndex>);
!>
<endif>
}<\n>
>>

```

```

matchSetUnchecked(s,label,elementIndex,postmatchCode=false) ::= <%
<if(label)>
<matchSetLabel()><\n>
<endif>
input.Consume();<\n>
<if(postmatchCode)>
<postmatchCode><\n>
<endif>
<if(!LEXER)>state.errorRecovery=false;<endif><if(backtracking)>state.failed=false;<endif>
%>

matchSetLabel() ::= <%
<if(LEXER)>
<label>= input.LA(1);
<else>
<label>=(<labelType>)input.LT(1);
<endif>
%>

matchRuleBlockSet ::= matchSet

matchSetAndListLabel(s,label,elementIndex,postmatchCode) ::= <<
<matchSet(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/** Match a string literal */
lexerStringRef(string,label,elementIndex) ::= <%
<if(label)>
int <label>Start = CharIndex;<\n>
Match(<string>); <checkRuleBacktrackFailure()><\n>
int <label>StartLine<elementIndex> = Line;<\n>
int <label>StartCharPos<elementIndex> = CharPositionInLine;<\n>
<label> = new <labelType>(input, TokenTypes.Invalid, TokenChannels.Default, <label>Start, CharIndex-1);<\n>
<label>.Line = <label>StartLine<elementIndex>;<\n>
<label>.CharPositionInLine = <label>StartCharPos<elementIndex>;
<else>
Match(<string>); <checkRuleBacktrackFailure()><\n>
<endif>
%>

wildcard(token,label,elementIndex,terminalOptions={ }) ::= <<
<if(label)>
<label>=(<labelType>)input.LT(1);<\n>
<endif>
MatchAny(input); <checkRuleBacktrackFailure()>
>>

```

```

wildcardAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<wildcard(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/** Match . wildcard in lexer */
wildcardChar(label, elementIndex) ::= <<
<if(label)>
<label> = input.LA(1);<\n>
<endif>
MatchAny(); <checkRuleBacktrackFailure()>
>>

wildcardCharListLabel(label, elementIndex) ::= <<
<wildcardChar(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/** Match a rule reference by invoking it possibly with arguments
 * and a return value or values. The 'rule' argument was the
 * target rule name, but now is type Rule, whose toString is
 * same: the rule name. Now though you can access full rule
 * descriptor stuff.
 */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
PushFollow(Follow._<rule.name>_in_<ruleName><elementIndex>);
<if(label)><label>=<endif><if(scope)><scope.delegateName()>.<endif><rule.name; format="id">(<args;
separator=", ">);
PopFollow();
<checkRuleBacktrackFailure()>
>>

/** ids+=r */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabelElem(elem=label,elemType={<ASTLabelType>},...)>
>>

/** A lexer rule reference.
 *
 * The 'rule' argument was the target rule name, but now
 * is type Rule, whose toString is same: the rule name.
 * Now though you can access full rule descriptor stuff.
 */
lexerRuleRef(rule,label,args,elementIndex,scope) ::= <%
<if(label)>
int <label>Start<elementIndex> = CharIndex;<\n>

```

```

int <label>StartLine<elementIndex> = Line;<\n>
int <label>StartCharPos<elementIndex> = CharPositionInLine;<\n>
<if(scope)><scope:delegateName().<endif>m<rule.name>(<args; separator=", ">);
<checkRuleBacktrackFailure()><\n>
<label> = new <labelType>(input, TokenType.Invalid, TokenChannels.Default, <label>Start<elementIndex>,
CharIndex-1);<\n>
<label>.Line = <label>StartLine<elementIndex>;<\n>
<label>.CharPositionInLine = <label>StartCharPos<elementIndex>;
<else>
<if(scope)><scope:delegateName().<endif>m<rule.name>(<args; separator=", ">);
<checkRuleBacktrackFailure()>
<endif>
%>

/** i+=INT in lexer */
lexerRuleRefAndListLabel(rule,label,args,elementIndex,scope) ::= <<
<lexerRuleRef(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/** EOF in the lexer */
lexerMatchEOF(label,elementIndex) ::= <%
<if(label)>
int <label>Start<elementIndex> = CharIndex;<\n>
int <label>StartLine<elementIndex> = Line;<\n>
int <label>StartCharPos<elementIndex> = CharPositionInLine;<\n>
Match(EOF); <checkRuleBacktrackFailure()><\n>
<labelType> <label> = new <labelType>(input, EOF, TokenChannels.Default, <label>Start<elementIndex>,
CharIndex-1);<\n>
<label>.Line = <label>StartLine<elementIndex>;<\n>
<label>.CharPositionInLine = <label>StartCharPos<elementIndex>;
<else>
Match(EOF); <checkRuleBacktrackFailure()>
<endif>
%>

// used for left-recursive rules
recRuleDefArg() ::= "int <recRuleArg()>"
recRuleArg() ::= "_p"
recRuleAltPredicate(ruleName,opPrec) ::= "<recRuleArg()> \<= <opPrec>"
recRuleSetResultAction() ::= "root_0=$<ruleName>_primary.tree;"

/** match ^(root children) in tree parser */
tree(root, actionsAfterRoot, children, nullableChildList,
enclosingTreeLevel, treeLevel) ::= <<
<root:element()>
<actionsAfterRoot:element()>
<if(nullableChildList)>

```

```

if (input.LA(1) == TokenTypes.Down)
{
 Match(input, TokenTypes.Down, null); <checkRuleBacktrackFailure()>
 <children:element()>
 Match(input, TokenTypes.Up, null); <checkRuleBacktrackFailure()>
}
<else>
Match(input, TokenTypes.Down, null); <checkRuleBacktrackFailure()>
<children:element()>
Match(input, TokenTypes.Up, null); <checkRuleBacktrackFailure()>
<endif>
>>

/** Every predicate is used as a validating predicate (even when it is
 * also hoisted into a prediction expression).
 */
validateSemanticPredicate(pred,description) ::= <<
if (!(<evalPredicate(...)>))
{
 <ruleBacktrackFailure()>
 throw new FailedPredicateException(input, "<ruleName>", "<description>");
}
>>

// F i x e d D F A (if-then-else)

dfaState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
int LA<decisionNumber>_<k> = input.LA(<k>);<n>
<edges; separator="\nelse ">
else
{
 <if(eotPredictsAlt)>
 alt<decisionNumber> = <eotPredictsAlt>;
 <else>
 <ruleBacktrackFailure()>
 NoViableAltException nvae = new NoViableAltException("<description>", <decisionNumber>, <stateNumber>,
input, <k>);
 DebugRecognitionException(nvae);
 <@noViableAltException()>
 throw nvae;
 <endif>
}
>>

/** Same as a normal DFA state except that we don't examine lookahead
 * for the bypass alternative. It delays error detection but this
 * is faster, smaller, and more what people expect. For (X)? people
 * expect "if (LA(1)==X) match(X);" and that's it.

```

```

*/
dfaOptionalBlockState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
int LA<decisionNumber>_<k> = input.LA(<k>);<\n>
<edges; separator="\nelse ">
>>

```

```

/** A DFA state that is actually the loopback decision of a closure
* loop. If end-of-token (EOT) predicts any of the targets then it
* should act like a default clause (i.e., no error can be generated).
* This is used only in the lexer so that for ('a'* on the end of a rule
* anything other than 'a' predicts exiting.
*/

```

```

*/
dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
int LA<decisionNumber>_<k> = input.LA(<k>);<\n>
<edges; separator="\nelse "><\n>
<if(eotPredictsAlt)>
<if(!edges)>
alt<decisionNumber> = <eotPredictsAlt>;<! if no edges, don't gen ELSE !>
<else>
else
{
alt<decisionNumber> = <eotPredictsAlt>;
}<\n>
<endif>
<endif>
>>

```

```

/** An accept state indicates a unique alternative has been predicted */
dfaAcceptState(alt) ::= "alt<decisionNumber> = <alt>;"

```

```

/** A simple edge with an expression. If the expression is satisfied,
* enter to the target state. To handle gated productions, we may
* have to evaluate some predicates for this edge.
*/

```

```

dfaEdge(labelExpr, targetState, predicates) ::= <<
if ((<labelExpr>)<if(predicates)> && (<predicates>)<endif>)
{
<targetState>
}
>>

```

```

// F i x e d D F A (switch case)

```

```

/** A DFA state where a SWITCH may be generated. The code generator
* decides if this is possible: CodeGenerator.canGenerateSwitch().
*/

```

```

dfaStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch (input.LA(<k>))

```

```

{
<edges; separator="\n">
default:
<if(eotPredictsAlt)>
alt<decisionNumber>=<eotPredictsAlt>;
break;<\n>
<else>
{
<ruleBacktrackFailure()>
NoViableAltException nvae = new NoViableAltException("<description>", <decisionNumber>, <stateNumber>,
input, <k>);
DebugRecognitionException(nvae);
<@noViableAltException()>
throw nvae;
}
<endif>
}<\n>
>>

```

```

dfaOptionalBlockStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch (input.LA(<k>))
{
<edges; separator="\n">
}<\n>
>>

```

```

dfaLoopbackStateSwitch(k, edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch (input.LA(<k>))
{
<edges; separator="\n">
<if(eotPredictsAlt)>
default:
alt<decisionNumber>=<eotPredictsAlt>;
break;<\n>
<endif>
}<\n>
>>

```

```

dfaEdgeSwitch(labels, targetState) ::= <<
<labels: {it|case <it>:}; separator="\n">
{
<targetState>
}
break;
>>

```

```

// C y c l i c D F A

```

```

/** The code to initiate execution of a cyclic DFA; this is used
 * in the rule to predict an alt just like the fixed DFA case.
 * The <name> attribute is inherited via the parser, lexer, ...
 */
dfaDecision(decisionNumber,description) ::= <<
try
{
 alt<decisionNumber> = dfa<decisionNumber>.Predict(input);
}
catch (NoViableAltException nvae)
{
 DebugRecognitionException(nvae);
 throw;
}
>>

/* Dump DFA tables as run-length-encoded Strings of octal values.
 * Can't use hex as compiler translates them before compilation.
 * These strings are split into multiple, concatenated strings.
 * Java puts them back together at compile time thankfully.
 * Java cannot handle large static arrays, so we're stuck with this
 * encode/decode approach. See analysis and runtime DFA for
 * the encoding methods.
 */
cyclicDFA(dfa) ::= <<
private class DFA<dfa.decisionNumber> : DFA
{
 private const string DFA<dfa.decisionNumber>_eotS =
 "<dfa.javaCompressedEOT; wrap="+\n\t\t"">";
 private const string DFA<dfa.decisionNumber>_eofS =
 "<dfa.javaCompressedEOF; wrap="+\n\t\t"">";
 private const string DFA<dfa.decisionNumber>_minS =
 "<dfa.javaCompressedMin; wrap="+\n\t\t"">";
 private const string DFA<dfa.decisionNumber>_maxS =
 "<dfa.javaCompressedMax; wrap="+\n\t\t"">";
 private const string DFA<dfa.decisionNumber>_acceptS =
 "<dfa.javaCompressedAccept; wrap="+\n\t\t"">";
 private const string DFA<dfa.decisionNumber>_specialS =
 "<dfa.javaCompressedSpecial; wrap="+\n\t\t"">}>";
 private static readonly string[] DFA<dfa.decisionNumber>_transitionS =
 {
 <dfa.javaCompressedTransition:{s|"<s; wrap="+\n\t\t"">"; separator="\n">
 };

 private static readonly short[] DFA<dfa.decisionNumber>_eot =
 DFA.UnpackEncodedString(DFA<dfa.decisionNumber>_eotS);
 private static readonly short[] DFA<dfa.decisionNumber>_eof =
 DFA.UnpackEncodedString(DFA<dfa.decisionNumber>_eofS);

```



```

private static readonly char[] DFA<dfa.decisionNumber>_min =
DFA.UnpackEncodedStringToUnsignedChars(DFA<dfa.decisionNumber>_minS);
private static readonly char[] DFA<dfa.decisionNumber>_max =
DFA.UnpackEncodedStringToUnsignedChars(DFA<dfa.decisionNumber>_maxS);
private static readonly short[] DFA<dfa.decisionNumber>_accept =
DFA.UnpackEncodedString(DFA<dfa.decisionNumber>_acceptS);
private static readonly short[] DFA<dfa.decisionNumber>_special =
DFA.UnpackEncodedString(DFA<dfa.decisionNumber>_specialS);
private static readonly short[][] DFA<dfa.decisionNumber>_transition;

static DFA<dfa.decisionNumber>()
{
 int numStates = DFA<dfa.decisionNumber>_transitionS.Length;
 DFA<dfa.decisionNumber>_transition = new short[numStates][];
 for (int i=0; i < numStates; i++)
 {
 DFA<dfa.decisionNumber>_transition[i] =
DFA.UnpackEncodedString(DFA<dfa.decisionNumber>_transitionS[i]);
 }
}

public DFA<dfa.decisionNumber>(BaseRecognizer recognizer<if(dfa.specialStateSTs)>,
SpecialStateTransitionHandler specialStateTransition<endif>)
<if(dfa.specialStateSTs)>
 : base(specialStateTransition)
<endif>
{
 this.recognizer = recognizer;
 this.decisionNumber = <dfa.decisionNumber>;
 this.eot = DFA<dfa.decisionNumber>_eot;
 this.eof = DFA<dfa.decisionNumber>_eof;
 this.min = DFA<dfa.decisionNumber>_min;
 this.max = DFA<dfa.decisionNumber>_max;
 this.accept = DFA<dfa.decisionNumber>_accept;
 this.special = DFA<dfa.decisionNumber>_special;
 this.transition = DFA<dfa.decisionNumber>_transition;
}

public override string Description { get { return "<dfa.description>"; } }

public override void Error(NoViableAltException nvae)
{
 DebugRecognitionException(nvae);
}
}<\n>
<if(dfa.specialStateSTs)>
private int SpecialStateTransition<dfa.decisionNumber>(DFA dfa, int s, IIntStream _input)<! throws
NoViableAltException!>

```

```

{
<if(LEXER)>
 IIntStream input = _input;
<endif>
<if(PARSER)>
 ITokenStream input = (ITokenStream)_input;
<endif>
<if(TREE_PARSER)>
 ITreeNodeStream input = (ITreeNodeStream)_input;
<endif>
 int _s = s;
 s = -1;
 <! pull these outside the switch cases to save space on locals !>
 int LA<dfa.decisionNumber>_1 = input.LA(1);
 int index<dfa.decisionNumber>_1 = input.Index;
 switch (_s)
 {
 <dfa.specialStateSTs: {state |case <i0>:<! compressed special state numbers 0..n-1 !>
 <state>}; separator="\n">

 default:
 break;
 }

 if (s >= 0)
 return s;

 <if(backtracking)>
 if (state.backtracking > 0) {state.failed=true; return -1;}
 <endif>
 NoViableAltException nvae = new NoViableAltException(dfa.Description, <dfa.decisionNumber>, _s, input);
 dfa.Error(nvae);
 throw nvae;
 }
 <endif>
 >>

 /** A state in a cyclic DFA; it's a special state and part of a big switch on
 * state.
 */
 cyclicDFAState(decisionNumber,stateNumber,edges,needErrorClause,semPredState) ::= <<
 {
 <if(semPredState)>
 <! get next lookahead symbol to test edges, then rewind !>
 input.Rewind();
 <endif>
 <edges; separator="\nelse ">
 <if(semPredState)>

```

```

<! return input cursor to state before we rewound !>
input.Seek(index<decisionNumber>_1);
<endif>
break;
}
>>

/** Just like a fixed DFA edge, test the lookahead and indicate what
 * state to jump to next if successful.
 */
cyclicDFAEdge(labelExpr, targetStateNumber, edgeNumber, predicates) ::= <<
if ((<labelExpr><if(predicates)> && (<predicates><endif>) {s = <targetStateNumber>;}<\n>
>>

/** An edge pointing at end-of-token; essentially matches any char;
 * always jump to the target.
 */
eotDFAEdge(targetStateNumber,edgeNumber, predicates) ::= <<
s = <targetStateNumber>;<\n>
>>

// D F A E X P R E S S I O N S

andPredicates(left,right) ::= "(<left>&&<right>)"

orPredicates(operands) ::= "(<operands; separator=\\|\\>)"

notPredicate(pred) ::= "!(<evalPredicate(...)>)"

evalPredicate(pred,description) ::= "(<pred>)"

evalSynPredicate(pred,description) ::= "EvaluatePredicate(<pred>_fragment)"

lookaheadTest(atom,k,atomAsInt) ::= "LA<decisionNumber>_<k>===<atom>"

/** Sometimes a lookahead test cannot assume that LA(k) is in a temp variable
 * somewhere. Must ask for the lookahead directly.
 */
isolatedLookaheadTest(atom,k,atomAsInt) ::= "input.LA(<k>)==<atom>"

lookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= <%
(LA<decisionNumber>_<k><ge()><lower> && LA<decisionNumber>_<k><le()><upper>)
%>

isolatedLookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::=
"(input.LA(<k><ge()><lower> && input.LA(<k><le()><upper>)"

```

```
le() ::= "\<="
```

```
ge() ::= ">="
```

```
setTest(ranges) ::= <<
<ranges; separator="||">
>>
```

```
// A T T R I B U T E S
```

```
attributeScope(scope) ::= <<
<if(scope)>
<if(scope.attributes)>
protected sealed partial class <scope.name>_scope
{
<scope.attributes:{it|public <it.decl>;}; separator="\n">

public <scope.name>_scope(<grammar.recognizerName> grammar) { OnCreated(grammar); }
partial void OnCreated(<grammar.recognizerName> grammar);
}
<if(scope.actions.scopeinit)>
protected void <scope.name>_scopeInit(<scope.name>_scope scope)
{
<scope.actions.scopeinit>
}
<else>
partial void <scope.name>_scopeInit(<scope.name>_scope scope);
<endif>
<if(scope.actions.scopeafter)>
protected void <scope.name>_scopeAfter(<scope.name>_scope scope)
{
<scope.actions.scopeafter>
}
<else>
partial void <scope.name>_scopeAfter(<scope.name>_scope scope);
<endif>
protected readonly ListStack\<<scope.name>_scope> <scope.name>_stack = new
ListStack\<<scope.name>_scope>();
<endif>
<endif>
>>
```

```
globalAttributeScope(scope) ::= <<
<attributeScope(...)>
>>
```

```
ruleAttributeScope(scope) ::= <<
<attributeScope(...)>
>>
```

```

returnStructName(it) ::= "<it.name>_return"

returnType(ruleDescriptor) ::= <%
<if(ruleDescriptor.returnScope.attributes && ruleDescriptor.hasMultipleReturnValues)>
 <ruleDescriptor.grammar.recognizerName>.<ruleDescriptor:returnStructName()>
<elseif(ruleDescriptor.hasMultipleReturnValues)>
 <ruleReturnBaseType()>
<elseif(ruleDescriptor.hasSingleReturnValue)>
 <ruleDescriptor.singleValueReturnType>
<else>
 void
<endif>
%>

/** Generate the C# type associated with a single or multiple return
 * values.
 */
ruleLabelType(referencedRule) ::= <%
<if(referencedRule.hasMultipleReturnValues)>
 <ruleReturnBaseType()>
<elseif(referencedRule.hasSingleReturnValue)>
 <referencedRule.singleValueReturnType>
<else>
 void
<endif>
%>

delegateName(it) ::= <<
<if(it.label)><it.label><else>g<it.name><endif>
>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
default(<typeName>)
>>

/** Define a rule label including default value */
ruleLabelDef(label) ::= <%
<ruleLabelType(label.referencedRule)> <label.label.text> = <initValue(ruleLabelType(label.referencedRule))>;
%>

/** Define a return struct for a rule if the code needs to access its
 * start/stop tokens, tree stuff, attributes, ... Leave a hole for
 * subgroups to stick in members.
 */

```

```

returnScope(scope) ::= <<
<if(scope.attributes && ruleDescriptor.hasMultipleReturnValues)>
<returnScopeModifier(grammar=grammar,ruleDescriptor=ruleDescriptor)> sealed partial class
<ruleDescriptor:returnStructName()> : <ruleReturnBaseType()><@ruleReturnInterfaces()>
{
<scope.attributes:{it|public <it.decl>;}; separator="\n">
<@ruleReturnMembers()>
}
<endif>
>>

ruleReturnBaseType() ::= <%
<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope\<<labelType>>
%>

@returnScope.ruleReturnMembers() ::= <<
public <ruleDescriptor:returnStructName()>(grammar) { OnCreated(grammar); }
partial void OnCreated(<grammar.recognizerName> grammar);
>>

parameterScope(scope) ::= <<
<scope.attributes:{it|<it.decl>}; separator=", ">
>>

parameterAttributeRef(attr) ::= <<
<attr.name; format="id">
>>

parameterSetAttributeRef(attr,expr) ::= <<
<attr.name; format="id"> =<expr>;
>>

scopeAttributeRef(scope,attr,index,negIndex) ::= <%
<if(negIndex)>
<scope>_stack[<scope>_stack.Count - <negIndex> - 1].<attr.name; format="id">
<else>
<if(index)>
<scope>_stack[<index>].<attr.name; format="id">
<else>
<scope>_stack.Peek().<attr.name; format="id">
<endif>
<endif>
%>

scopeSetAttributeRef(scope,attr,expr,index,negIndex) ::= <%
<if(negIndex)>
<scope>_stack[<scope>_stack.Count - <negIndex> - 1].<attr.name; format="id"> = <expr>;
<else>

```

```

<if(index)>
<scope>_stack[<index>].<attr.name; format="id"> = <expr>;
<else>
<scope>_stack.Peek().<attr.name; format="id"> = <expr>;
<endif>
<endif>
%>

/** $x is either global scope or x is rule with dynamic scope; refers
 * to stack itself not top of stack. This is useful for predicates
 * like {$function.Count>0 && $function::name.Equals("foo")}?
 */
isolatedDynamicScopeRef(scope) ::= "<scope>_stack"

/** reference an attribute of rule; might only have single return value */
ruleLabelRef(referencedRule,scope,attr) ::= <%
<if(referencedRule.hasMultipleReturnValues)>
(<scope>!=null?(<<return Type(referencedRule)>><scope>).<attr.name; format="id">:<initValue(attr.type)>)
<else>
<scope>
<endif>
%>

returnAttributeRef(ruleDescriptor,attr) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name; format="id">
<else>
<attr.name; format="id">
<endif>
%>

returnSetAttributeRef(ruleDescriptor,attr,expr) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name; format="id"> =<expr>;
<else>
<attr.name; format="id"> =<expr>;
<endif>
%>

/** How to translate $tokenLabel */
tokenLabelRef(label) ::= "<label>"

/** ids+=ID {$ids} or e+=expr {$e} */
listLabelRef(label) ::= "list_<label>"

// not sure the next are the right approach

```

```

tokenLabelPropertyRef_text(scope,attr) ::= "<scope>!=null?<scope>.Text:default(string)"
tokenLabelPropertyRef_type(scope,attr) ::= "<scope>!=null?<scope>.Type:0"
tokenLabelPropertyRef_line(scope,attr) ::= "<scope>!=null?<scope>.Line:0"
tokenLabelPropertyRef_pos(scope,attr) ::= "<scope>!=null?<scope>.CharPositionInLine:0"
tokenLabelPropertyRef_channel(scope,attr) ::= "<scope>!=null?<scope>.Channel:0"
tokenLabelPropertyRef_index(scope,attr) ::= "<scope>!=null?<scope>.TokenIndex:0"
tokenLabelPropertyRef_tree(scope,attr) ::= "<scope>_tree"
tokenLabelPropertyRef_int(scope,attr) ::= "<scope>!=null?int.Parse(<scope>.Text):0"

ruleLabelPropertyRef_start(scope,attr) ::= "<scope>!=null?((<labelType><scope>.Start):default(<labelType>))"
ruleLabelPropertyRef_stop(scope,attr) ::= "<scope>!=null?((<labelType><scope>.Stop):default(<labelType>))"
ruleLabelPropertyRef_tree(scope,attr) ::=
"<scope>!=null?((<ASTLabelType><scope>.Tree):default(<ASTLabelType>))"
ruleLabelPropertyRef_text(scope,attr) ::= <%
<if(TREE_PARSER)>
(<scope>!=null?(input.TokenStream.ToString(
input.TreeAdaptor.GetTokenStartIndex(<scope>.Start),
input.TreeAdaptor.GetTokenStopIndex(<scope>.Start))):default(string)
<else>
(<scope>!=null?input.ToString(<scope>.Start,<scope>.Stop):default(string))
<endif>
%>

ruleLabelPropertyRef_st(scope,attr) ::= "<scope>!=null?<scope>.Template:null"

/** Isolated $RULE ref ok in lexer as it's a Token */
lexerRuleLabel(label) ::= "<label>"

lexerRuleLabelPropertyRef_type(scope,attr) ::=
"<scope>!=null?<scope>.Type:0"

lexerRuleLabelPropertyRef_line(scope,attr) ::=
"<scope>!=null?<scope>.Line:0"

lexerRuleLabelPropertyRef_pos(scope,attr) ::=
"<scope>!=null?<scope>.CharPositionInLine:-1"

lexerRuleLabelPropertyRef_channel(scope,attr) ::=
"<scope>!=null?<scope>.Channel:0"

lexerRuleLabelPropertyRef_index(scope,attr) ::=
"<scope>!=null?<scope>.TokenIndex:0"

lexerRuleLabelPropertyRef_text(scope,attr) ::=
"<scope>!=null?<scope>.Text:default(string)"

lexerRuleLabelPropertyRef_int(scope,attr) ::=
"<scope>!=null?int.Parse(<scope>.Text):0"

```



```

// Somebody may ref $template or $tree or $stop within a rule:
rulePropertyRef_start(scope,attr) ::= "retval.Start"
rulePropertyRef_stop(scope,attr) ::= "retval.Stop"
rulePropertyRef_tree(scope,attr) ::= "retval.Tree"
rulePropertyRef_text(scope,attr) ::= <%
<if(TREE_PARSER)>
input.TokenStream.ToString(
 input.TreeAdaptor.GetTokenStartIndex(retval.Start),
 input.TreeAdaptor.GetTokenStopIndex(retval.Start))
<else>
input.ToString(retval.Start,input.LT(-1))
<endif>
%>
rulePropertyRef_st(scope,attr) ::= "retval.Template"

lexerRulePropertyRef_text(scope,attr) ::= "Text"
lexerRulePropertyRef_type(scope,attr) ::= "_type"
lexerRulePropertyRef_line(scope,attr) ::= "state.tokenStartLine"
lexerRulePropertyRef_pos(scope,attr) ::= "state.tokenStartCharPositionInLine"
lexerRulePropertyRef_index(scope,attr) ::= "-1" // undefined token index in lexer
lexerRulePropertyRef_channel(scope,attr) ::= "_channel"
lexerRulePropertyRef_start(scope,attr) ::= "state.tokenStartCharIndex"
lexerRulePropertyRef_stop(scope,attr) ::= "(CharIndex-1)"
lexerRulePropertyRef_int(scope,attr) ::= "int.Parse(<scope>.Text)"

// setting $st and $tree is allowed in local rule. everything else
// is flagged as error
ruleSetPropertyRef_tree(scope,attr,expr) ::= "retval.Tree = <expr>;"
ruleSetPropertyRef_st(scope,attr,expr) ::= "retval.Template =<expr>;"

/** How to execute an action (only when not backtracking) */
execAction(action) ::= <%
<if(backtracking)>
if (<actions.(actionScope).synpredgate><\n>
{<\n>
<@indentedAction()><\n>
}
<else>
<action>
<endif>
%>

@execAction.indentedAction() ::= <<
<action>
>>

/** How to always execute an action even when backtracking */

```

```

execForcedAction(action) ::= "<action>"

// M I S C (properties, etc...)

bitset(name, words64) ::= <<
public static readonly BitSet <name> = new BitSet(new ulong[] { <words64: {it|<it>UL}; separator=", "> });
>>

codeFileExtension() ::= ".cs"

true_value() ::= "true"
false_value() ::= "false"

Found in path(s):
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/CSharp3/CSharp3.stg
No license file was found, but licenses were detected in source scan.

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THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/

/** Templates for building ASTs during normal parsing.
*

```

- \* Deal with many combinations. Dimensions are:
- \* Auto build or rewrite
- \* no label, label, list label (label/no-label handled together)
- \* child, root
- \* token, set, rule, wildcard
- \*
- \* The situation is not too bad as rewrite (->) usage makes ^ and !
- \* invalid. There is no huge explosion of combinations.
- \*/

```
finishedBacktracking(block) ::= <<
<if(!ruleDescriptor.isSynPred)>
<if(backtracking)>
if <actions.(actionScope).synpredgate>:
 <block>
<else>
<block>
<endif>
<endif>
>>
```

```
@ruleBody.setErrorReturnValue() ::= <<
retval.tree = self._adaptor.errorNode(self.input, retval.start, self.input.LT(-1), re)
>>
```

```
// TOKEN AST STUFF
```

```
/** ID and output=AST */
tokenRef(token,label,elementIndex,terminalOptions={}) ::= <<
<super.tokenRef(...)>
<finishedBacktracking({
<label>_tree = <createNodeFromToken(...)>
self._adaptor.addChild(root_0, <label>_tree)
})>
>>
```

```
/** ID! and output=AST (same as plain tokenRef) */
tokenRefBang(token,label,elementIndex,terminalOptions={}) ::= "<super.tokenRef(...)>"
```

```
/** ID^ and output=AST */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions={}) ::= <<
<super.tokenRef(...)>
<finishedBacktracking({
<label>_tree = <createNodeFromToken(...)>
root_0 = self._adaptor.becomeRoot(<label>_tree, root_0)
})>
>>
```

```

/** ids+=ID! and output=AST */
tokenRefBangAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefBang(...)>
<listLabel(elem=label,...)>
>>

/** label+=TOKEN when output=AST but not rewrite alt */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

/** Match label+=TOKEN^ when output=AST but not rewrite alt */
tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefRuleRoot(...)>
<listLabel(elem=label,...)>
>>

// SET AST

// the match set stuff is interesting in that it uses an argument list
// to pass code to the default matchSet; another possible way to alter
// inherited code. I don't use the region stuff because I need to pass
// different chunks depending on the operator. I don't like making
// the template name have the operator as the number of templates gets
// large but this is the most flexible--this is as opposed to having
// the code generator call matchSet then add root code or ruleroot code
// plus list label plus ... The combinations might require complicated
// rather than just added on code. Investigate that refactoring when
// I have more time.

matchSet(s,label,elementIndex,postmatchCode,terminalOptions={}) ::= <%
<super.matchSet(postmatchCode={ <finishedBacktracking({self._adaptor.addChild(root_0,
<createNodeFromToken(...)>})>}, ...)>
%>

matchRuleBlockSet(s,label,elementIndex,postmatchCode,treeLevel="0",terminalOptions={}) ::= <<
<matchSet(...)>
>>

matchSetBang(s,label,elementIndex,postmatchCode,terminalOptions={}) ::= "<super.matchSet(...)>"

// note there is no matchSetTrack because -> rewrites force sets to be
// plain old blocks of alts: (A|B|...|C)

matchSetRuleRoot(s,label,elementIndex,debug,terminalOptions={}) ::= <<
<if(label)>
<label> = self.input.LT(1)<n>

```

```

<endif>
<super.matchSet(postmatchCode={ <finishedBacktracking({root_0 =
self._adaptor.becomeRoot(<createNodeFromToken(...)>, root_0)})>, ...}>
>>

// RULE REF AST

/** rule when output=AST */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<finishedBacktracking({self._adaptor.addChild(root_0, <label>.tree})>}>
>>

/** rule! is same as normal rule ref */
ruleRefBang(rule,label,elementIndex,args,scope) ::= "<super.ruleRef(...)>"

/** rule^ */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<finishedBacktracking({root_0 = self._adaptor.becomeRoot(<label>.tree, root_0)})>
>>

/** x+=rule when output=AST */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(label, {<label>.tree})>
>>

/** x+=rule! when output=AST is a rule ref with list addition */
ruleRefBangAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefBang(...)>
<listLabel(label, {<label>.tree})>
>>

/** x+=rule^ */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<listLabel(label, {<label>.tree})>
>>

// WILDCARD AST

wildcard(token,label,elementIndex,terminalOptions={ }) ::= <<
<super.wildcard(...)>
<finishedBacktracking({
<label>_tree = self._adaptor.createWithPayload(<label>)
self._adaptor.addChild(root_0, <label>_tree)
})>

```

>>

```
wildcardBang(label,elementIndex) ::= "<super.wildcard(...)>"
```

```
wildcardRuleRoot(token,label,elementIndex,terminalOptions={ }) ::= <<
<super.wildcard(...)>
<finishedBacktracking({
<label>_tree = self._adaptor.createWithPayload(<label>
root_0 = self._adaptor.becomeRoot(<label>_tree, root_0)
})>
>>
```

```
createNodeFromToken(label,terminalOptions={ }) ::= <%
<if(terminalOptions.node)>
<terminalOptions.node>(<label>) <! new MethodNode(IDLabel) !>
<else>
self._adaptor.createWithPayload(<label>
<endif>
>%
```

```
ruleCleanUp() ::= <<
<super.ruleCleanUp()>
<finishedBacktracking({
retval.tree = self._adaptor.rulePostProcessing(root_0)
self._adaptor.setTokenBoundaries(retval.tree, retval.start, retval.stop)
})>
>>
```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/Python3/ASTParser.stg
No license file was found, but licenses were detected in source scan.
```

/\*

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\*/

/\*\* Template overrides to add debugging to AST stuff. Dynamic inheritance

\* hierarchy is set up as ASTDbg : AST : Dbg : Java by code generator.

\*/

```
parserMembers() ::= <<
protected DebugTreeAdaptor adaptor =
 new DebugTreeAdaptor(null,new CommonTreeAdaptor());
public void setTreeAdaptor(TreeAdaptor adaptor) {
 this.adaptor = new DebugTreeAdaptor(dbg,adaptor);
}
public TreeAdaptor getTreeAdaptor() {
 return adaptor;
}<\n>
>>
```

```
parserCtorBody() ::= <<
>>
```

```
createListenerAndHandshake() ::= <<
<super.createListenerAndHandshake(>
>>
```

```
ctorForPredefinedListener() ::= <<
>>
```

```
@rewriteElement.pregen() ::= ""
```

Found in path(s):

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/templates/C/ASTDbg.stg

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\*/

Found in path(s):

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/templates/ObjC/Dbg.stg

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\*/

/\*

- \* Template group file for the Objective C code generator.
- \* Heavily based on Java.stg
- \*
- \* Written by Kay Roepke <kroepke(at)classdump.org>
- \* Modified by Alan Condit <acondit(at)ipns.com>
- \*
- \* This file is part of ANTLR and subject to the same license as ANTLR itself.

\*/

```
objcTypeInitMap ::= [
```

```
 "int" : "0", // Integers start out being 0
 "long" : "0", // Longs start out being 0
 "float" : "0.0", // Floats start out being 0
 "double" : "0.0", // Doubles start out being 0
 "BOOL" : "NO", // Booleans start out being Antlr ObjC for false
 "byte" : "0", // Bytes start out being 0
 "short" : "0", // Shorts start out being 0
 "char" : "0", // Chars start out being 0
 "id" : "nil", // ids start out being nil
 default : "nil" // anything other than an atomic type
```

```
]
```

```
// System.Boolean.ToString() returns "True" and "False", but the proper C# literals are "true" and "false"
```

```
// The Java version of Boolean returns "true" and "false", so they map to themselves here.
```

```
booleanLiteral ::= [
```

```
 "True": "true",
 "False": "false",
 "true": "YES",
 "false": "NO",
 default: "NO"
```

```
]
```

```
className() ::= "<name><!<if(LEXER)>Lexer<else><if(TREE_PARSER)>Tree<endif>Parser<endif>!>"
```

```
leadIn(type) ::=
```

```
<<
```

```

/** \file
 * This <type> file was generated by $ANTLR version <ANTLRVersion>
 *
 * - From the grammar source file : <fileName>
 * - On : <generatedTimestamp>
<if(LEXER)>
 * - for the lexer : <name>Lexer
<endif>
<if(PARSER)>
 * - for the parser : <name>Parser
<endif>
<if(TREE_PARSER)>
 * - for the tree parser : <name>TreeParser
<endif>
 *
 * Editing it, at least manually, is not wise.
 *
 * ObjC language generator and runtime by Alan Condit, acondit|hereisanat|ipns|dotgoeshere|com.
 *
 *
 >>

/** The overall file structure of a recognizer; stores methods for rules
 * and cyclic DFAs plus support code.
 */
outputFile(LEXER,
 PARSER,
 TREE_PARSER,
 actionScope,
 actions,
 docComment,
 recognizer,
 name,
 tokens,
 tokenNames,
 rules,
 cyclicDFAs,
 bitsets,
 buildTemplate,
 buildAST,
 rewriteMode,
 profile,
 backtracking,
 synpreds,
 memoize,
 numRules,
 fileName,
 ANTLRVersion,

```

```

 generatedTimestamp,
 trace,
 scopes,
 superClass,
 literals
) ::=
<<
<leadIn("OBJC source")>
*/
// $ANTLR <ANTLRVersion> <fileName> <generatedTimestamp>

<! <if(actions.(actionScope).header)>
/* =====
* This is what the grammar programmer asked us to put at the top of every file.
*/
<actions.(actionScope).header>
/* End of Header action.
* =====
*/
<endif> !>

/* -----
* Include the ANTLR3 generated header file.
*/
#import "<name><!<if(LEXER)>Lexer<else><if(TREE_PARSER)>Tree<endif>Parser<endif>!>.h"
<actions.(actionScope).postinclude>
/* ----- */

<docComment>

<if(literals)>
/** String literals used by <name> that we must do things like MATCHS() with.
* C will normally just lay down 8 bit characters, and you can use L"xxx" to
* get wchar_t, but wchar_t is 16 bits on Windows, which is not UTF32 and so
* we perform this little trick of defining the literals as arrays of UINT32
* and passing in the address of these.
*/
<literals:{it | static ANTLR3_UCHAR lit_<i>[] = <it>;}; separator="\n">

<endif>

/* ===== */
/* ===== */
* Start of recognizer
*/
<recognizer>
>>
headerFileExtension() ::= ".h"

```

```

headerFile(LEXER,
 PARSER,
 TREE_PARSER,
 actionScope,
 actions,
 docComment,
 recognizer,
 name,
 tokens,
 tokenNames,
 rules,
 cyclicDFAs,
 bitsets,
 buildTemplate,
 buildAST,
 rewriteMode,
 profile,
 backtracking,
 synpreds,
 memoize,
 numRules,
 fileName,
 ANTLRVersion,
 generatedTimestamp,
 trace,
 scopes,
 superClass,
 literals
) ::=

<<
// $ANTLR <ANTLRVersion> <fileName> <generatedTimestamp>

<@imports>
<actions.(actionScope).preincludes>
/* =====
* Standard antlr OBJC runtime definitions
*/
#import \<Cocoa/Cocoa.h>
#import \<ANTLR/ANTLR.h>
/* End of standard antlr3 runtime definitions
* =====
*/
<actions.(actionScope).includes>
<@end>

<if(LEXER)>
<lexerHeaderFile(...)>

```

```

<endif>
<if(PARSER)>
<parserHeaderFile(...)>
<endif>
<if(TREE_PARSER)>
<treeParserHeaderFile(...)>
<endif>
<docComment>
>>

```

```

lexerHeaderFile(LEXER,
 PARSER,
 TREE_PARSER,
 actionScope,
 actions,
 docComment,
 recognizer,
 name,
 tokens,
 tokenNames,
 rules,
 cyclicDFAs,
 bitsets,
 buildTemplate,
 profile,
 backtracking,
 synpreds,
 memoize,
 numRules,
 fileName,
 ANTLRVersion,
 generatedTimestamp,
 trace,
 scopes,
 superClass="Lexer"
) ::=

```

```
<<
```

```
<if(actions.(actionScope).header)>
```

```
/* =====
```

```
* This is what the grammar programmer asked us to put at the top of every file.
```

```
*/
```

```
<actions.(actionScope).header>
```

```
/* End of Header action.
```

```
* =====
```

```
*/
```

```
<endif>
```

```

/* Start cyclicDFAInterface */
<cyclicDFAs:cyclicDFAInterface(>

#pragma mark Rule return scopes Interface start
<rules:{rule |
<rule.ruleDescriptor:{ruleDescriptor | <returnScopeInterface(scope=ruleDescriptor.returnScope)>>>>
#pragma mark Rule return scopes Interface end
#pragma mark Tokens
#ifndef TOKENLISTAlreadyDefined
#define TOKENLISTAlreadyDefined 1
#ifdef EOF
#undef EOF
#endif
<tokens:{it | #define <it.name> <it.type>}; separator="\n">
#endif
/* interface lexer class */
@interface <className()> <@superClassName>: <superClass><@end> { // line 283
<cyclicDFAs:{dfa | DFA<dfa.decisionNumber> *dfa<dfa.decisionNumber>;}; separator="\n">
<synpreds:{pred | SEL <pred>Selector;}; separator="\n">
/* ObjC start of actions.lexer.memVars */
<actions.lexer.memVars>
/* ObjC end of actions.lexer.memVars */
}
+ (void) initialize;
+ (<className()> *)new<className()>WithCharStream:(id<CharStream>)anInput;
/* ObjC start actions.lexer.methodsDecl */
<actions.lexer.methodsDecl>
/* ObjC end actions.lexer.methodsDecl */
<rules:{rule |
- (<rule.ruleDescriptor:{ruleDescriptor|<returnType()>>>)
<if(!rule.ruleDescriptor.isSynPred)>m<rule.ruleName><else><rule.ruleName>_fragment<endif>
<if(rule.ruleDescriptor.parameterScope)><rule.ruleDescriptor.parameterScope:parameterScope()><endif>; };
separator="\n"><\n>
@end /* end of <className()> interface */<\n>
>>

headerReturnScope(ruleDescriptor) ::= "<returnScopeInterface(...)>"
headerReturnType(ruleDescriptor) ::= <<
<if(LEXER)>
<if(!r.ruleDescriptor.isSynPred)>
void
<else>
<ruleDescriptor:returnType()>
<endif>
<else>
<ruleDescriptor:returnType()>
<endif>
>>

```

```

// Produce the lexer output
lexer(grammar,
 name,
 tokens,
 scopes,
 rules,
 numRules,
 filterMode,
 labelType="CommonToken",
 superClass="Lexer"
) ::= <<
<cyclicDFAs:cyclicDFA(>

/** As per Terence: No returns for lexer rules! */
<!
#pragma mark Rule return scopes start
<rules:{rule | <rule.ruleDescriptor:{ruleDescriptor |
<returnScopeImplementation(scope=ruleDescriptor.returnScope)>>
}>
#pragma mark Rule return scopes end
!>
@implementation <grammar.recognizerName> // line 330

+ (void) initialize
{
 [BaseRecognizer setGrammarFileName:@"<fileName>"];
}

+ (NSString *) tokenNameForType:(NSInteger)aTokenType
{
 return [[self getTokenNames] objectAtIndex:aTokenType];
}

+ (<grammar.recognizerName> *)new<grammar.recognizerName>WithCharStream:(id<CharStream>)anInput
{
 return [[<grammar.recognizerName> alloc] initWithCharStream:anInput];
}

- (id) initWithCharStream:(id<CharStream>)anInput
{
 self = [super initWithCharStream:anInput state:[RecognizerSharedState
newRecognizerSharedStateWithRuleLen:<numRules>+1]];
 if (self != nil) {
<if(memoize)>
 if (state.ruleMemo == nil) {
 state.ruleMemo = [[RuleStack newRuleStackWithSize:<numRules>+1] retain];
 }
 if ([state.ruleMemo count] == 0) {

```

```

 // initialize the memoization cache - the indices are 1-based in the runtime code!
 <! [state.ruleMemo addObject:[NSNull null]]; /* dummy entry to ensure 1-basedness. */ !>
 for (NSInteger i = 0; i \< <numRules>; i++) {
 [state.ruleMemo addObject:[HashRule newHashRuleWithLen:17]];
 }
 }
<endif>
 <synpreds:{ pred | <lexerSynpred(name=pred)>};separator="\n">
 <cyclicDFAs:{ dfa | dfa<dfa.decisionNumber> = [DFA<dfa.decisionNumber>
newDFA<dfa.decisionNumber>WithRecognizer:self];}; separator="\n">
 <actions.lexer.init>
 }
 return self;
}

- (void) dealloc
{
 <cyclicDFAs:{ dfa | [dfa<dfa.decisionNumber> release];}; separator="\n">
<actions.lexer.dealloc>
 [super dealloc];
}

/* ObjC Start of actions.lexer.methods */
<actions.lexer.methods>
/* ObjC end of actions.lexer.methods */
/* ObjC start methods() */
<@methods()>
/* ObjC end methods() */

<if(actions.lexer.reset)>
- (void) reset
{
 <actions.lexer.reset>
 [super reset];
}
<endif>

<if(filterMode)>
<filteringNextToken()>
<endif>
/* Start of Rules */
<rules; separator="\n">

@end /* end of <grammar.recognizerName> implementation line 397 */
>>

/** A override of Lexer.nextToken() that backtracks over mTokens() looking
 * for matches. No error can be generated upon error; just rewind, consume

```



```

* a token and then try again. backtracking needs to be set as well.
* Make rule memoization happen only at levels above 1 as we start mTokens
* at backtracking==1.
*/
filteringNextToken() ::= <<
- (id\<Token>) nextToken
{
 while (YES) {
 if ([input LA:1] == CharStreamEOF) {
 return [<labelType> eofToken];
 }
 state.token = nil;
 state.channel = TokenChannelDefault;
 state.tokenStartCharIndex = input.index;
 state.tokenStartCharPositionInLine = input.charPositionInLine;
 state.tokenStartLine = input.line;
 state.text = nil;
 @try {
 NSInteger m = [input mark];
 state.backtracking = 1; /* means we won't throw slow exception */
 state.failed = NO;
 [self mTokens];
 state.backtracking = 0;
 /* mTokens backtracks with synpred at backtracking==2
 and we set the synpredgate to allow actions at level 1. */
 if (state.failed) {
 [input rewind:m];
 [input consume]; /* advance one char and try again */
 } else {
 [self emit];
 return state.token;
 }
 }
 @catch (RecognitionException *re) {
 // shouldn't happen in backtracking mode, but...
 [self reportError:re];
 [self recover:re];
 }
 }
}

- (void)memoize:(id\<IntStream\>)anInput
 RuleIndex:(NSInteger)ruleIndex
 StartIndex:(NSInteger)ruleStartIndex
{
 if (state.backtracking > 1) [super memoize:anInput RuleIndex:ruleIndex StartIndex:ruleStartIndex];
}

```

```

- (BOOL)alreadyParsedRule:(id)<IntStream>anInput RuleIndex:(NSInteger)ruleIndex
{
 if (state.backtracking > 1) return [super alreadyParsedRule:anInput RuleIndex:ruleIndex];
 return NO;
}
>>

```

```

actionGate() ::= "state.backtracking == 0"

```

```

filteringActionGate() ::= "state.backtracking == 1"

```

```

parserHeaderFile(LEXER,
 PARSER,
 TREE_PARSER,
 actionScope,
 actions,
 docComment,
 recognizer,
 name,
 tokens,
 tokenNames,
 rules,
 cyclicDFAs,
 bitsets,
 buildTemplate,
 profile,
 backtracking,
 synpreds,
 memoize,
 numRules,
 fileName,
 ANTLRVersion,
 generatedTimestamp,
 trace,
 scopes,
 literals,
 superClass="Parser"
) ::= <<
/* parserHeaderFile */
<genericParserHeaderFile(inputStreamType="id<TokenStream>",...)>
>>

```

```

treeParserHeaderFile(LEXER,
 PARSER,
 TREE_PARSER,
 actionScope,
 actions,
 docComment,

```

```

recognizer,
name,
tokens,
tokenNames,
rules,
cyclicDFAs,
bitsets,
buildTemplate,
profile,
backtracking,
synpreds,
memoize,
numRules,
fileName,
ANTLRVersion,
generatedTimestamp,
trace,
scopes,
literals,
superClass="TreeParser"
) ::= <<
/* treeParserHeaderFile */
<genericParserHeaderFile(inputStreamType="id\<TreeNodeStream>",...)>
>>

```

```

genericParserHeaderFile(LEXER,
 PARSE,
 TREE_PARSER,
 actionScope,
 actions,
 docComment,
 recognizer,
 name,
 tokens,
 tokenNames,
 rules,
 cyclicDFAs,
 bitsets,
 buildTemplate,
 profile,
 backtracking,
 synpreds,
 memoize,
 numRules,
 fileName,
 ANTLRVersion,
 generatedTimestamp,
 trace,

```

```

 scopes,
 superClass,
 literals,
 inputStreamType
) ::=
<<
<if(actions.(actionScope).header)>
/* =====
* This is what the grammar programmer asked us to put at the top of every file.
*/
<actions.(actionScope).header>
/* End of Header action.
* =====
*/
<endif>

#ifndef ANTLR3TokenTypeAlreadyDefined
#define ANTLR3TokenTypeAlreadyDefined
typedef enum {
 ANTLR_EOF = -1,
 INVALID,
 EOR,
 DOWN,
 UP,
 MIN
} ANTLR3TokenType;
#endif

<cyclicDFAs:cyclicDFAInterface(>
#pragma mark Tokens
#ifndef TOKENLISTAlreadyDefined
#define TOKENLISTAlreadyDefined 1
#ifdef EOF
#undef EOF
#endif
#endif
<tokens:{it | #define <it.name> <it.type>}; separator="\n">
#endif
#pragma mark Dynamic Global Scopes globalAttributeScopeInterface
<scopes:{it | <if(it.isDynamicGlobalScope)><globalAttributeScopeInterface(scope=it)><endif>}>
#pragma mark Dynamic Rule Scopes ruleAttributeScopeInterface
<rules:{rule |
<rule.ruleDescriptor:{ ruleDescriptor | <ruleAttributeScopeInterface(scope=ruleDescriptor.ruleScope)>}>>
#pragma mark Rule Return Scopes returnScopeInterface
<rules:{rule |<rule.ruleDescriptor:{ ruleDescriptor |
<returnScopeInterface(scope=ruleDescriptor.returnScope)>}>>

/* Interface grammar class */
@interface <className()> <@superClassName> : <superClass><@end> { /* line 572 */

```

```

#pragma mark Dynamic Rule Scopes ruleAttributeScopeDecl
<rules:{ rule | <rule.ruleDescriptor.ruleScope:ruleAttributeScopeDecl(scope=rule.ruleDescriptor.ruleScope)>}>
#pragma mark Dynamic Global Rule Scopes globalAttributeScopeMemVar
<scopes:{ it | <if(it.isDynamicGlobalScope)><globalAttributeScopeMemVar(scope=it)><endif>}><\n>
/* ObjC start of actions.(actionScope).memVars */
<actions.(actionScope).memVars>
/* ObjC end of actions.(actionScope).memVars */
/* ObjC start of memVars */
<@memVars()>
/* ObjC end of memVars */

<cyclicDFAs:{ dfa | DFA<dfa.decisionNumber> *dfa<dfa.decisionNumber>;}; separator="\n">
<synpreds:{ pred | SEL <pred>Selector;}; separator="\n">
}

/* ObjC start of actions.(actionScope).properties */
<actions.(actionScope).properties>
/* ObjC end of actions.(actionScope).properties */
/* ObjC start of properties */
<@properties()>
/* ObjC end of properties */

+ (void) initialize;
+ (<className()> *) new<className()>:(<inputStreamType>)aStream;
/* ObjC start of actions.(actionScope).methodsDecl */
<actions.(actionScope).methodsDecl>
/* ObjC end of actions.(actionScope).methodsDecl */

/* ObjC start of methodsDecl */
<@methodsDecl()>
/* ObjC end of methodsDecl */

<rules:{ rule |
-
(<rule.ruleDescriptor:{ ruleDescriptor|<returnType()>}>><if(!rule.ruleDescriptor.isSynPred)><rule.ruleName><else
><rule.ruleName>_fragment<endif><if(rule.ruleDescriptor.parameterScope)><rule.ruleDescriptor.parameterScope:
parameterScope()><endif>; }; separator="\n"><\n>

@end /* end of <className()> interface */<\n>
>>

parser(grammar,
 name,
 scopes,
 tokens,
 tokenNames,
 rules,
 numRules,

```

```

 bitsets,
 ASTLabelType="CommonTree",
 superClass="Parser",
 labelType="CommonToken",
 members={<actions.parser.members>}
) ::= <<
<genericParser(inputStreamType="id\<TokenStream>", rewriteElementType="Token", ...)>
>>

/** How to generate a tree parser; same as parser except the input
 * stream is a different type.
 */
treeParser(grammar,
 name,
 scopes,
 tokens,
 tokenNames,
 globalAction,
 rules,
 numRules,
 bitsets,
 filterMode,
 labelType={<ASTLabelType>},
 ASTLabelType="CommonTree",
 superClass={<if(filterMode)><if(buildAST)>TreeRewriter<else>TreeFilter<endif><else>TreeParser<endif>},
 members={<actions.treeparser.members>}
) ::= <<
<genericParser(inputStreamType="id\<TreeNodeStream>", rewriteElementType="Node", ...)>
>>

/** How to generate a parser */
genericParser(grammar,
 name,
 scopes,
 tokens,
 tokenNames,
 rules,
 numRules,
 cyclicDFAs, // parser init -- initializes the DFAs
 bitsets,
 labelType,
 ASTLabelType,
 superClass,
 members,
 filterMode,
 rewriteElementType,
 inputStreamType
) ::= <<

```

```

<cyclicDFAs:cyclicDFA(>

#pragma mark Bitsets
<bitsets:{it | <bitset(name={FOLLOW_<it.name>_in_<it.inName><it.tokenIndex>}, words64=it.bits)>>>

#pragma mark Dynamic Global globalAttributeScopeImplementation
<scopes:{it | <if(it.isDynamicGlobalScope)><globalAttributeScopeImplementation(scope=it)><endif>>>

#pragma mark Dynamic Rule Scopes ruleAttributeScopeImplementation
<rules:{rule |
<rule.ruleDescriptor:{ ruleDescriptor | <ruleAttributeScopeImplementation(scope=ruleDescriptor.ruleScope)>>>>

#pragma mark Rule Return Scopes returnScopeImplementation
<rules:{rule | <rule.ruleDescriptor:{ ruleDescriptor |
<returnScopeImplementation(scope=ruleDescriptor.returnScope)>>>>

@implementation <grammar.recognizerName> // line 637

/* ObjC start of ruleAttributeScope */
#pragma mark Dynamic Rule Scopes ruleAttributeScope
<rules:{rule | <rule.ruleDescriptor.ruleScope:ruleAttributeScope(>>>
/* ObjC end of ruleAttributeScope */
#pragma mark global Attribute Scopes globalAttributeScope
/* ObjC start globalAttributeScope */
<scopes:{it | <if(it.isDynamicGlobalScope)><globalAttributeScope(>><endif>>>
/* ObjC end globalAttributeScope */
/* ObjC start actions.(actionScope).synthesize */
<actions.(actionScope).synthesize>
/* ObjC start synthesize() */
<@synthesize(>

+ (void) initialize
{
 #pragma mark Bitsets
 <bitsets:{it | <bitsetInit(name={FOLLOW_<it.name>_in_<it.inName><it.tokenIndex>}, words64=it.bits)>>>
 [BaseRecognizer setTokenNames:[[AMutableArray arrayWithObjects:@"\<invalid>", @"\<EOR>",
@"\<DOWN>", @"\<UP>", <tokenNames:{it | @<it>}; separator=",", wrap="\n", nil] retain]];
 [BaseRecognizer setGrammarFileName:@"<fileName>"];
 <synpreds:{pred | <synpred(pred)>>>
}

+ (<grammar.recognizerName> *)new<grammar.recognizerName>:(<inputStreamType>)aStream
{
<if(PARSER)>
 return [[<grammar.recognizerName> alloc] initWithTokenStream:aStream];
<else><! TREE_PARSER !>
 return [[<grammar.recognizerName> alloc] initWithStream:aStream];
<endif>

```

```

}

<if(PARSER)>
- (id) initWithTokenStream:(<inputStreamType>)aStream
{
 self = [super initWithTokenStream:aStream State:[[RecognizerSharedState
newRecognizerSharedStateWithRuleLen:<numRules>+1] retain]];
 if (self != nil) {
<else><! TREE_PARSER !>
- (id) initWithStream:(<inputStreamType>)aStream
{
 self = [super initWithStream:aStream State:[[RecognizerSharedState
newRecognizerSharedStateWithRuleLen:<numRules>+1] retain]];
 if (self != nil) {
<endif>
 <! <parserCtorBody()> !>
 <cyclicDFAs:{ dfa | dfa<dfa.decisionNumber> = [DFA<dfa.decisionNumber>
newDFA<dfa.decisionNumber>WithRecognizer:self];}; separator="\n">
 <scopes:{it | <if(it.isDynamicGlobalScope)><globalAttributeScopeInit(scope=it)><endif>}>
 <rules:{rule | <rule.ruleDescriptor.ruleScope:ruleAttributeScopeInit()>>
/* start of actions-actionScope-init */
 <actions.(actionScope).init>
/* start of init */
 <@init()>
 }
 return self;
}

- (void) dealloc
{
 <cyclicDFAs:{ dfa | [dfa<dfa.decisionNumber> release];}; separator="\n">
 <scopes:{it | <if(it.isDynamicGlobalScope)><globalAttributeScopeDealloc(scope=it)><endif>}>
 <actions.(actionScope).dealloc>
 <@dealloc()>
 [super dealloc];
}

/* ObjC start actions.(actionScope).methods */
<actions.(actionScope).methods>
/* ObjC end actions.(actionScope).methods */
/* ObjC start methods() */
<@methods()>
/* ObjC end methods() */
/* ObjC start rules */
<rules; separator="\n">
/* ObjC end rules */

@end /* end of <grammar.recognizerName> implementation line 692 */<\n>

```



```

>>

parserCtorBody() ::= <<
<if(memoize)> /* parserCtorBody */
<if(grammar.grammarIsRoot)>
state.ruleMemo = [[RuleStack newRuleStack:<numRules>+1] retain];<\n> <! index from 1..n !>
<endif>
<endif>
<grammar.delegators:
{g|this.<g:delegateName()> = <g:delegateName()>;}; separator="\n">
>>

```

```

/** A simpler version of a rule template that is specific to the imaginary
 * rules created for syntactic predicates. As they never have return values
 * nor parameters etc..., just give simplest possible method. Don't do
 * any of the normal memoization stuff in here either; it's a waste.
 * As predicates cannot be inlined into the invoking rule, they need to
 * be in a rule by themselves.
 */
synpredRule(ruleName, ruleDescriptor, block, description, nakedBlock) ::=
<<
// $ANTLR start <ruleName>_fragment
- (void) <ruleName>_fragment
{
 <ruleLabelDefs()>
 <if(trace)>
 [self traceIn:@"<ruleName>_fragment" Index:<ruleDescriptor.index>];
 @try {
 <block>
 }
 @finally {
 [self traceOut:@"<ruleName>_fragment" Index:<ruleDescriptor.index>];
 }
 <else>
 <block>
 <endif>
} // $ANTLR end <ruleName>_fragment
>>

```

```

synpred(name) ::= <<
SEL <name>Selector = @selector(<name>_fragment);
<! // $ANTLR start <name>
- (BOOL) <name>
{
 state.backtracking++;
 <@start()>
 NSInteger start = [input mark];
 @try {

```

```

 [self <name>_fragment]; // can never throw exception
}
@catch (RecognitionException *re) {
 NSLog(@"impossible: %@\n", re.name);
}
BOOL success = (state.failed == NO);
[input rewind:start];
<@stop()>
state.backtracking--;
state.failed=NO;
return success;
} // $ANTLR end <name> <\n !>
>>

lexerSynpred(name) ::= <<
<synpred(name)>
>>

ruleMemoization(name) ::= <<
<if(memoize)>
if (state.backtracking > 0 && [self alreadyParsedRule:input RuleIndex:<ruleDescriptor.index>]) { return
<ruleReturnValue()>; }
<endif>
>>

/** How to test for failure and return from rule */
checkRuleBacktrackFailure() ::= <<
<if (backtracking)>if (state.failed) return <ruleReturnValue()>;<endif>
>>

/** This rule has failed, exit indicating failure during backtrack */
ruleBacktrackFailure() ::= <<
<if(backtracking)>if (state.backtracking > 0) { state.failed = YES; return <ruleReturnValue()>; }<\n><endif>
>>

/** How to generate code for a rule.
* The return type aggregates are declared in the header file (headerFile template)
*/
rule(ruleName,ruleDescriptor,block,emptyRule,description,exceptions,finally,memoize) ::= <<

/*
* $ANTLR start <ruleName>
* <fileName>:<description>
*/
- (<returnType()>) <ruleName><ruleDescriptor.parameterScope:parameterScope()>
{
 <if(trace)>[self traceIn:\@"<ruleName>" Index:<ruleDescriptor.index>];<endif>
 <if(trace)>NSLog(@"enter <ruleName> %@ failed=%@ backtracking=%d", [input LT:1],

```

```

(state.failed==YES)?@"YES":@"NO", state.backtracking);<endif>
 <ruleScopeSetUp()>
 <ruleDeclarations()>
 <ruleDescriptor.actions.init>
 <@preamble()>
 @try {
 <ruleMemoization(name=ruleName)>
 <ruleLabelDefs()>
 <block>
 <ruleCleanup()>
 <(ruleDescriptor.actions.after):execAction()>
 }
 <if(exceptions)>
 <exceptions: {e|<catch(decl=e.decl,action=e.action)><\n>}>
 <else><if(!emptyRule)><if(actions.(actionScope).rulecatch)>
 <actions.(actionScope).rulecatch>
 <else>
 @catch (RecognitionException *re) {
 [self reportError:re];
 [self recover:input Exception:re];
 <@setErrorReturnValue()>
 }<\n>
 <endif><endif><endif>
 @finally {
 <if(trace)>[self traceOut:@"<ruleName>" Index:<ruleDescriptor.index>];<endif>
 <memoize()>
 <ruleScopeCleanup()>
 <finally>
 }
 <@postamble()>
 return <ruleReturnValue()>;
}
/* $ANTLR end <ruleName> */
>>

finalCode(finalBlock) ::= <<
{
 <finalBlock>
}
>>

catch(decl,action) ::= <<
@catch (<e.decl>) {
 <e.action>
}
>>

ruleDeclarations() ::= <<

```

```

/* ruleDeclarations */
<if(ruleDescriptor.hasMultipleReturnValues)>
<returnType()> retval = [<ruleDescriptor:returnStructName()> new<ruleDescriptor:returnStructName()>];
[retval setStart:[input LT:1]];<\n>
<else>
<ruleDescriptor.returnScope.attributes:{ a |
<a.type> <a.name> = <if(a.initValue)><a.initValue><else><initValue(a.type)><endif>;
}>
<endif>
<if(memoize)>
NSInteger <ruleDescriptor.name>_startIndex = input.index;
<endif>
>>

ruleScopeSetUp() ::= <<
/* ruleScopeSetUp */
<ruleDescriptor.useScopes:{ it | [<it>_stack push:[<it>_Scope new<it>_Scope]];}>
<ruleDescriptor.ruleScope:{ it | [<it.name>_stack push:[<it.name>_Scope new<it.name>_Scope]];}>
>>

ruleScopeCleanUp() ::= <<
/* ruleScopeCleanUp */
<ruleDescriptor.useScopes:{ it | [<it>_stack pop];}; separator="\n">
<ruleDescriptor.ruleScope:{ it | [<it.name>_stack pop];}; separator="\n">
>>

ruleLabelDefs() ::= <%
/* ruleLabelDefs entry */<"\n">
<[ruleDescriptor.tokenLabels, ruleDescriptor.tokenListLabels,
ruleDescriptor.wildcardTreeLabels,ruleDescriptor.wildcardTreeListLabels]
: {it | <labelType> *<it.label.text> = nil;}; separator="\n"><"\n">
<[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels,ruleDescriptor.wildcardTreeListLabels]
: {it | AMutableArray *list_<it.label.text> = nil;}; separator="\n"><"\n">
<ruleDescriptor.ruleLabels:ruleLabelDef(); separator="\n"><"\n">
<ruleDescriptor.ruleListLabels:{||ParserRuleReturnScope *<it.label.text> = nil;}; separator="\n"><"\n">
%>

lexerRuleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]
: {it | <labelType> *<it.label.text>=nil;}; separator="\n"
>
<ruleDescriptor.charLabels:{ it |NSInteger <it.label.text>;}; separator="\n">
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels]:{ it |AMutableArray *list_<it.label.text>=nil; }; separator="\n">
>>

```

```

ruleReturnValue() ::= <%
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasReturnValue)>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnName>
<else>
retval
<endif>
<endif>
<endif>
%>

ruleCleanup() ::= <<
/* token+rule list labels */
<[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels]:{it |[list_<it.label.text> release];}; separator="\n">
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!TREE_PARSER)>
[retval setStop:[input LT:-1]];<\n>
<endif><endif>
>>

memoize() ::= <<
<if(memoize)>
<if(backtracking)>
if (state.backtracking > 0) [self memoize:input RuleIndex:<ruleDescriptor.index>
StartIndex:<ruleDescriptor.name>_StartIndex];
<endif><endif>
>>

/** How to generate a rule in the lexer; naked blocks are used for
 * fragment rules.
 */
lexerRule(ruleName, nakedBlock, ruleDescriptor, block, memoize) ::= <<
// $ANTLR start "<ruleName>"
- (void)
m<ruleName><if(ruleDescriptor.parameterScope)><ruleDescriptor.parameterScope:parameterScope(scope=it)><endif>
{
//<if(trace)>[self traceIn:\@"<ruleName>" Index:<ruleDescriptor.index>];<endif>
<if(trace)>NSLog(@"enter <ruleName> %C line=%d:%d failed=%@ backtracking=%d",
[input LA:1],
self.line,
self.charPositionInLine,
(state.failed==YES) ? @"YES" : @"NO",
state.backtracking);
<endif>
<ruleScopeSetUp()>
<ruleDeclarations()>

```

```

 @try {
<if(nakedBlock)>
 <ruleMemoization(name=ruleName)>
 <lexerRuleLabelDefs()>
 <ruleDescriptor.actions.init>
 <block><\n>
<else>
 NSInteger _type = <ruleName>;
 NSInteger _channel = TokenChannelDefault;
 <ruleMemoization(name=ruleName)>
 <lexerRuleLabelDefs()>
 <ruleDescriptor.actions.init>
 <block>
 <ruleCleanUp()>
 state.type = _type;
 state.channel = _channel;
 <(ruleDescriptor.actions.after):execAction()>
<endif>
 }
 @finally {
 //<if(trace)>[self traceOut:[NSString stringWithFormat:@"<ruleName> %d\n",
<ruleDescriptor.index>]];<endif>
 <if(trace)>NSLog(@"exit <ruleName> %C line=%d:%d failed=%@ backtracking=%d",
 [input LA:1], self.line, self.charPositionInLine,
 (state.failed==YES) ? @"YES" : @"NO", state.backtracking);<endif>
 <ruleScopeCleanUp()>
 <memoize()>
 }
 return;
}
/* $ANTLR end "<ruleName>" */
>>

/** How to generate code for the implicitly-defined lexer grammar rule
 * that chooses between lexer rules.
 */
tokensRule(ruleName,nakedBlock,args,block,ruleDescriptor) ::= <<
- (void) mTokens
{
 <block><\n>
}
>>

// S U B R U L E S

/** A (...) subrule with multiple alternatives */
block(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
// <fileName>:<description> // block

```

```

NSInteger alt<decisionNumber>=<maxAlt>;
<decls>
<@predecision()>
<decision>
<@postdecision()>
<@prebranch()>
switch (alt<decisionNumber>) {
 <alts:{ a | <altSwitchCase(i, a)>}>
}
<@postbranch()>
>>

/** A rule block with multiple alternatives */
ruleBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
// <fileName>:<description> //ruleblock
NSInteger alt<decisionNumber>=<maxAlt>;
<decls>
<@predecision()>
<decision>
<@postdecision()>
switch (alt<decisionNumber>) {
 <alts:{ a | <altSwitchCase(i, a)>}>
}
>>

ruleBlockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
// <fileName>:<description> // ruleBlockSingleAlt
<decls>
<@prealt()>
<alts>
<@postalt()>
>>

/** A special case of a (...) subrule with a single alternative */
blockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
// <fileName>:<description> // blockSingleAlt
<decls>
<@prealt()>
<alts>
<@postalt()>
>>

/** A (..)+ block with 1 or more alternatives */
positiveClosureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
// <fileName>:<description> // positiveClosureBlock
NSInteger cnt<decisionNumber> = 0;
<decls>

```

```

<@preloop()>
do {
 NSInteger alt<decisionNumber> = <maxAlt>;
 <@predecision()>
 <decision>
 <@postdecision()>
 switch (alt<decisionNumber>) {
 <alts:{ a | <altSwitchCase(i, a)>}>
 default :
 if (cnt<decisionNumber> >= 1)
 goto loop<decisionNumber>;
 <ruleBacktrackFailure()>
 EarlyExitException *eee =
 [EarlyExitException newException:input decisionNumber:<decisionNumber>];
 <@earlyExitException()>
 @throw eee;
 }
 cnt<decisionNumber>++;
} while (YES);
loop<decisionNumber>;
<@postloop()>
>>

```

positiveClosureBlockSingleAlt ::= positiveClosureBlock

*/\*\* A (..)\* block with 0 or more alternatives \*/*

closureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::=

<<

<decls>

<@preloop()>

do {

NSInteger alt<decisionNumber>=<maxAlt>;

<@predecision()>

<decision>

<@postdecision()>

switch (alt<decisionNumber>) {

<alts:{ a | <altSwitchCase(i, a)>}>

default :

goto loop<decisionNumber>;

}

} while (YES);

loop<decisionNumber>;

<@postloop()>

>>

closureBlockSingleAlt ::= closureBlock

*/\*\* Optional blocks (x)? are translated to (x|) by before code generation*



```

* so we can just use the normal block template
*/
optionalBlock ::= block

optionalBlockSingleAlt ::= block

/** A case in a switch that jumps to an alternative given the alternative
* number. A DFA predicts the alternative and then a simple switch
* does the jump to the code that actually matches that alternative.
*/
altSwitchCase(altNum, alt) ::= <<
case <altNum> : ;
 <@prealt(>
 <alt>
 break;<\n>
>>

/** An alternative is just a list of elements; at outermost level */
alt(elements,altNum,description,autoAST,outerAlt,treeLevel,rew) ::= <<
// <fileName>:<description> // alt
{
<@declarations(>
<elements:element(>
<rew>
<@cleanup(>
}
>>

/** What to emit when there is no rewrite. For auto build
* mode, does nothing.
*/
noRewrite(rewriteBlockLevel, treeLevel) ::= ""

// E L E M E N T S

/** Dump the elements one per line */
element(e) ::= << <@prematch(><\n><e.el><\n> >>

/** match a token optionally with a label in front */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
<if(label)><label>=(<labelType> *)<endif>[self match:input TokenType:<token>
Follow:FOLLOW_<token>_in_<ruleName><elementIndex>]; <checkRuleBacktrackFailure(>
>>

/** ids+=ID */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>

```

>>

```
listLabel(label,elem) ::= <<
if (list_<label> == nil) list_<label> = [[AMutableArray arrayWithCapacity:5] retain];
[list_<label> addObject:<elem>];<\n>
>>
```

```
/** match a character */
charRef(char,label) ::= <<
<if(label)>NSInteger <label> = [input LA:1];<\n><endif>
[self matchChar:<char>]; <checkRuleBacktrackFailure()><\n>
>>
```

```
/** match a character range */
charRangeRef(a,b,label) ::= <<
<if(label)><label> = [input LA:1];<\n><endif>
[self matchRangeFromChar:<a> to:]; <checkRuleBacktrackFailure()>
>>
```

```
/** For now, sets are interval tests and must be tested inline */
matchSet(s,label,elementIndex,terminalOptions,postmatchCode="") ::= <<
<if(label)>
<if(LEXER)>
<label> = [input LA:1];<\n>
<else>
<label> = (<labelType> *)[input LT:1]; /* matchSet */<\n>
<endif><endif>
if (<s>) {
 [input consume];
 <postmatchCode>
<if(!LEXER)>
 [state setIsErrorRecovery:NO];
<endif>
 <if(backtracking)>state.failed = NO;<\n><endif>
} else {
 <ruleBacktrackFailure()>
 MismatchedSetException *mse = [MismatchedSetException newException:nil stream:input];
 <@mismatchedSetException()>
<if(LEXER)>
<if(label)>
 mse.c = <label>;
<endif>
 [self recover:mse];
 @throw mse;
<else>
 @throw mse;
 <! use following code to make it recover inline; remove throw mse;
 [self recoverFromMismatchedSet:input exception:mse follow:FOLLOW_set_in_<ruleName><elementIndex>]; !>
```

```

<endif>
}<\n>
>>

matchRuleBlockSet ::= matchSet

matchSetAndListLabel(s,label,elementIndex,postmatchCode) ::= <<
<matchSet(...)>
<listLabel(elem=label,...)>
>>

/** Match a string literal */
lexerStringRef(string,label,elementIndex="0") ::= <<
<if(label)>
NSInteger <label>Start = input.index;
[self matchString:<string>]; <checkRuleBacktrackFailure()>
NSInteger StartLine<elementIndex> = self.line;
NSInteger <label>StartCharPos<elementIndex> = self.charPositionInLine;
<label> = [[<labelType> newToken:input Type:TokenTypeInvalid Channel:TokenChannelDefault
Start:<label>Start Stop:input.index] retain];
[self setLine:<label>StartLine<elementIndex>];
[self setCharPositionInLine:<label>StartCharPos<elementIndex>];
<else>
[self matchString:<string>]; <checkRuleBacktrackFailure()><\n>
<endif>
>>

wildcard(token,label,elementIndex,terminalOptions) ::= <<
<if(label)>
<label> = (<labelType> *)[input LT:1];<\n>
<endif>
[self matchAny:input]; <checkRuleBacktrackFailure()>
>>

wildcardAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<wildcard(...)>
<listLabel(elem=label,...)>
>>

/** Match . wildcard in lexer */
wildcardChar(label, elementIndex) ::= <<
<if(label)>
NSInteger <label> = [input LA:1];<\n>
<endif>
[self matchAny]; <checkRuleBacktrackFailure()><\n>
>>

wildcardCharListLabel(label, elementIndex) ::= <<

```

```

<wildcardChar(...)>
<listLabel(elem=label,...)>
>>

/** Match a rule reference by invoking it possibly with arguments
 * and a return value or values. The 'rule' argument was the
 * target rule name, but now is type Rule, whose toString is
 * same: the rule name. Now though you can access full rule
 * descriptor stuff.
 */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
/* ruleRef */
[self pushFollow:FOLLOW_<rule.name>_in_<ruleName><elementIndex>];
<if(label)><label> = <endif>[self <if(scope)><scope.delegateName()>.<endif><rule.name><if(args)>:<first(args)>
<rest(args):{ a | arg<i>:<rest(args)>}; separator=" "><endif>];<\n>
[self popFollow];
<checkRuleBacktrackFailure()><\n>
>>

/** ids+=r */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(elem=label,...)>
>>

/** A lexer rule reference.
 *
 * The 'rule' argument was the target rule name, but now
 * is type Rule, whose toString is same: the rule name.
 * Now though you can access full rule descriptor stuff.
 */
lexerRuleRef(rule,label,args,elementIndex,scope) ::= <<
<if(label)>
NSInteger <label>Start<elementIndex> = input.index;
[self m<rule.name><if(args)>:<args; separator=":"><endif>]; <checkRuleBacktrackFailure()><\n>
<label> = [[<labelType> newToken:input Type:TokenTypeInvalid Channel:TokenChannelDefault
Start:<label>Start<elementIndex> Stop:input.index-1] retain];
<label>.line = self.line;
<else>
[self <if(scope)><scope.delegateName()>.<endif>m<rule.name><if(args)>:<args; separator=":"><endif>];
<checkRuleBacktrackFailure()><\n>
<endif>
>>

/** i+=INT in lexer */
lexerRuleRefAndListLabel(rule,label,args,elementIndex,scope) ::= <<
<lexerRuleRef(...)>
<listLabel(elem=label,...)>

```

```

>>

/** EOF in the lexer */
lexerMatchEOF(label,elementIndex) ::= <<
<if(label)>
NSInteger <label>Start<elementIndex> = input.index;
[self matchChar:CharStreamEOF]; <checkRuleBacktrackFailure()><\n>
<labelType> <label> = [[<labelType> newToken:input Type:TokenTypeEOF Channel:TokenChannelDefault
Start:<label>Start<elementIndex> Stop:input.index-1] retain];
<label>.line = self.line;
<else>
[self matchChar:CharStreamEOF]; <checkRuleBacktrackFailure()><\n>
<endif>
>>

// used for left-recursive rules
recRuleDefArg() ::= "int <recRuleArg()>"
recRuleArg() ::= "_p"
recRuleAltPredicate(ruleName,opPrec) ::= "<recRuleArg()> |<= <opPrec>"
recRuleSetResultAction() ::= "root_0=$<ruleName>_primary.tree;"
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>;"

/** match ^(root children) in tree parser */
tree(root, actionsAfterRoot, children, nullableChildList, enclosingTreeLevel, treeLevel) ::= <<
<root:element()>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if ([input LA:1] == DOWN) {
 [self match:input TokenType:DOWN Follow:nil]; <checkRuleBacktrackFailure()>
 <children:element()>
 [self match:input TokenType:UP Follow:nil]; <checkRuleBacktrackFailure()>
}
<else>
 [self match:input TokenType:DOWN Follow:nil]; <checkRuleBacktrackFailure()>
 <children:element()>
 [self match:input TokenType:UP Follow:nil]; <checkRuleBacktrackFailure()>
<endif>
>>

/** Every predicate is used as a validating predicate (even when it is
* also hoisted into a prediction expression).
*/
validateSemanticPredicate(pred,description) ::= <<
if (!(<evalPredicate(...)>)) {
 <ruleBacktrackFailure()>
 @throw [FailedPredicateException newException:@ "<ruleName>" predicate:@ "<description>" stream:input];
}
>>

```

```

// F i x e d D F A (if-then-else)

dfaState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
NSInteger LA<decisionNumber>_<stateNumber> = [input LA:<k>];<\n>
<edges; separator="\nelse ">
else {
<if(eotPredictsAlt)>
 alt<decisionNumber> = <eotPredictsAlt>;
<else>
 <ruleBacktrackFailure()>
 NoViableAltException *nvae = [NoViableAltException newException:<decisionNumber> state:<stateNumber>
stream:input];
 nvae.c = LA<decisionNumber>_<stateNumber>;
 <@noViableAltException()>
 @throw nvae;<\n>
<endif>
}
>>

/** Same as a normal DFA state except that we don't examine lookahead
 * for the bypass alternative. It delays error detection but this
 * is faster, smaller, and more what people expect. For (X)? people
 * expect "if (LA(1)==X) match(X);" and that's it.
 */
dfaOptionalBlockState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
NSInteger LA<decisionNumber>_<stateNumber> = [input LA:<k>];<\n>
<edges; separator="\nelse ">
>>

/** A DFA state that is actually the loopback decision of a closure
 * loop. If end-of-token (EOT) predicts any of the targets then it
 * should act like a default clause (i.e., no error can be generated).
 * This is used only in the lexer so that for ('a')* on the end of a rule
 * anything other than 'a' predicts exiting.
 */
dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
NSInteger LA<decisionNumber>_<stateNumber> = [input LA:<k>];
<edges; separator="\nelse "><\n>
<if(eotPredictsAlt)>
<if(!edges)>
alt<decisionNumber>=<eotPredictsAlt>; <! if no edges, don't gen ELSE !>
<else>
else {
 alt<decisionNumber> = <eotPredictsAlt>;
}<\n>
<endif><endif>
>>

```

```

/** An accept state indicates a unique alternative has been predicted */
dfaAcceptState(alt) ::= "alt<decisionNumber>=<alt>";

/** A simple edge with an expression. If the expression is satisfied,
 * enter to the target state. To handle gated productions, we may
 * have to evaluate some predicates for this edge.
 */
dfaEdge(labelExpr, targetState, predicates) ::= <<
if ((<labelExpr> <if(predicates)>&& (<predicates>)<endif>) {
 <targetState>
}
>>

// F i x e d D F A (switch case)

/** A DFA state where a SWITCH may be generated. The code generator
 * decides if this is possible: CodeGenerator.canGenerateSwitch().
 */
dfaStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
unichar charLA<decisionNumber> = [input LA:<k>];
switch (charLA<decisionNumber>) {
 <edges; separator="\n"><\n>
default: ;
<if(eotPredictsAlt)>
 alt<decisionNumber> = <eotPredictsAlt>;
<else>
 <ruleBacktrackFailure()>
 NoViableAltException *nvae = [NoViableAltException newException:<decisionNumber> state:<stateNumber>
stream:input];
 nvae.c = charLA<decisionNumber>;
 <@noViableAltException()>
 @throw nvae;<\n>
<endif>
}<\n>
>>

dfaOptionalBlockStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch ([input LA:<k>]) { // dfaOptionalBlockStateSwitch
 <edges; separator="\n"><\n>
}<\n>
>>

dfaLoopbackStateSwitch(k, edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch ([input LA:<k>]) { // dfaLoopbackStateSwitch
 <edges; separator="\n"><\n>
<if(eotPredictsAlt)>
default:

```

```

 alt<decisionNumber> = <eotPredictsAlt>;
 break;<\n>
<endif>
}<\n>
>>

dfaEdgeSwitch(labels, targetState) ::= <<
<labels:{it | case <it>: ;}; separator="\n">
{
 <targetState>
}
break;
>>

// C y c l i c D F A

/** The code to initiate execution of a cyclic DFA; this is used
 * in the rule to predict an alt just like the fixed DFA case.
 * The <name> attribute is inherited via the parser, lexer, ...
 */
dfaDecision(decisionNumber,description) ::= <<
alt<decisionNumber> = [dfa<decisionNumber> predict:input];
>>

/** Used in headerFile */
cyclicDFAInterface(dfa) ::= <<
#pragma mark Cyclic DFA interface start DFA<dfa.decisionNumber>
@interface DFA<dfa.decisionNumber> : DFA {
}
+ (DFA<dfa.decisionNumber> *) newDFA<dfa.decisionNumber>WithRecognizer:(BaseRecognizer
*)theRecognizer;
- initWithRecognizer:(BaseRecognizer *)recognizer;
@end /* end of DFA<dfa.decisionNumber> interface */<\n>
#pragma mark Cyclic DFA interface end DFA<dfa.decisionNumber><\n>
>>

/** Used in lexer/parser implementation files */
/* Dump DFA tables as run-length-encoded Strings of octal values.
 * Can't use hex as compiler translates them before compilation.
 * These strings are split into multiple, concatenated strings.
 * Java puts them back together at compile time thankfully.
 * Java cannot handle large static arrays, so we're stuck with this
 * encode/decode approach. See analysis and runtime DFA for
 * the encoding methods.
 */
cyclicDFA(dfa) ::= <<
#pragma mark Cyclic DFA implementation start DFA<dfa.decisionNumber>

```



```

@implementation DFA<dfa.decisionNumber>
const static NSInteger dfa<dfa.decisionNumber>_eot[<dfa.numberofStates>] =
 {<dfa.eot; wrap="\n ", separator=",", null="-1">};
const static NSInteger dfa<dfa.decisionNumber>_eof[<dfa.numberofStates>] =
 {<dfa.eof; wrap="\n ", separator=",", null="-1">};
const static unichar dfa<dfa.decisionNumber>_min[<dfa.numberofStates>] =
 {<dfa.min; wrap="\n ", separator=",", null="-1">};
const static unichar dfa<dfa.decisionNumber>_max[<dfa.numberofStates>] =
 {<dfa.max; wrap="\n ", separator=",", null="-1">};
const static NSInteger dfa<dfa.decisionNumber>_accept[<dfa.numberofStates>] =
 {<dfa.accept; wrap="\n ", separator=",", null="-1">};
const static NSInteger dfa<dfa.decisionNumber>_special[<dfa.numberofStates>] =
 {<dfa.special; wrap="\n ", separator=",", null="-1">};

/** Used when there is no transition table entry for a particular state */
#define dfa<dfa.decisionNumber>_T_empty nil

<dfa.edgeTransitionClassMap.keys:{ table |
const static NSInteger dfa<dfa.decisionNumber>_T<i0>[] =
{
 <table; separator=", ", wrap="\n ", null="-1">
\};
}; null="">

const static NSInteger *dfa<dfa.decisionNumber>_transition[] =
{
 <dfa.transitionEdgeTables:{ whichTable|dfa<dfa.decisionNumber>_T<whichTable>}; separator=", ", wrap="\n",
null="nil">
};

+ (DFA<dfa.decisionNumber> *) newDFA<dfa.decisionNumber>WithRecognizer:(BaseRecognizer *)aRecognizer
{
 return [[[DFA<dfa.decisionNumber> alloc] initWithRecognizer:aRecognizer] retain];
}

- (id) initWithRecognizer:(BaseRecognizer *) theRecognizer
{
 self = [super initWithRecognizer:theRecognizer];
 if (self != nil) {
 decisionNumber = <dfa.decisionNumber>;
 eot = dfa<dfa.decisionNumber>_eot;
 eof = dfa<dfa.decisionNumber>_eof;
 min = dfa<dfa.decisionNumber>_min;
 max = dfa<dfa.decisionNumber>_max;
 accept = dfa<dfa.decisionNumber>_accept;
 special = dfa<dfa.decisionNumber>_special;
 transition = dfa<dfa.decisionNumber>_transition;
 }
}

```

```

 return self;
}

<if(dfa.specialStateSTs)>
/* start dfa.specialStateSTs */
- (NSInteger) specialStateTransition:(NSInteger)s Stream:(id<IntStream>)anInput
{
<if(LEXER)>
 id<IntStream> input = anInput;<\n>
<endif>
<if(PARSER)>
 id<TokenStream> input = (id<TokenStream>)anInput;<\n>
<endif>
<if(TREE_PARSER)>
 id<TreeNodeStream> input = (id<TreeNodeStream>)anInput;<\n>
<endif>
 switch (s) {
 <dfa.specialStateSTs:{state |
 case <i0> : ;<! compressed special state numbers 0..n-1 !>
 <state>}; separator="\n">
 }
<if(backtracking)>
 if ([recognizer getBacktrackingLevel] > 0) { [recognizer setFailed:YES]; return -1; }<\n>
<endif>
 NoViableAltException *nvae = [NoViableAltException newException:<dfa.decisionNumber> state:s
stream:recognizer.input];
 // nvae.c = s;
 /* [self error:nvae]; */ <! for debugger - do later !>
 @throw nvae;
}<\n>
/* end dfa.specialStateSTs */
<endif>

- (void) dealloc
{
 //free(transition);
 [super dealloc];
}

- (NSString *) description
{
 return @"<dfa.description>";
}

<@errorMethod()>

@end /* end DFA<dfa.decisionNumber> implementation */<\n>
#pragma mark Cyclic DFA implementation end DFA<dfa.decisionNumber>

```

```

<\n>
>>
/** A state in a cyclic DFA; it's a special state and part of a big switch on
 * state.
 */
cyclicDFAState(decisionNumber, stateNumber, edges, needErrorClause, semPredState) ::= <<
/* cyclicDFAState */
NSInteger LA<decisionNumber>_<stateNumber> = [input LA:1];<\n>
<if(semPredState)> <! get next lookahead symbol to test edges, then rewind !>
NSInteger index<decisionNumber>_<stateNumber> = input.index;
[input rewind];<\n>
<endif>
s = -1;
<edges; separator="\nelse ">
<if(semPredState)> <! return input cursor to state before we rewound !>
[input seek.index<decisionNumber>_<stateNumber>];<\n>
<endif>
if (s >= 0)
 return s;
break;
>>

/** Just like a fixed DFA edge, test the lookahead and indicate what
 * state to jump to next if successful.
 */
cyclicDFAEdge(labelExpr, targetStateNumber, edgeNumber, predicates) ::= <<
/* cyclicDFAEdge */
if (<labelExpr><if(predicates)> && (<predicates>)<endif>) { s = <targetStateNumber>;}<\n>
>>

/** An edge pointing at end-of-token; essentially matches any char;
 * always jump to the target.
 */
eotDFAEdge(targetStateNumber,edgeNumber, predicates) ::= <<
s = <targetStateNumber>;<\n> /* eotDFAEdge */
>>

// D F A E X P R E S S I O N S

andPredicates(left,right) ::= "<left>&&<right>"

orPredicates(operands) ::= "<operands; separator=\"||\">"

notPredicate(pred) ::= "!(<evalPredicate(pred, {})>)"

evalPredicate(pred,description) ::= "<pred>"

/*

```

```

* evalSynPredicate(pred,description) ::= "<pred>()"
*
* synpreds are broken in cyclic DFA special states
* Damn! For now, work around with using the selectors directly, and by providing a trampoline evalSynPred
method in
* DFA
*/
/* evalSynPredicate(pred,description) ::= "[self evaluateSyntacticPredicate:<pred>Selector stream:input]" */
evalSynPredicate(pred,description) ::= "[self evaluateSyntacticPredicate:@selector(<pred>_fragment)]"
/* evalSynPredicate(pred,description) ::= "[recognizer <pred>]" */

lookaheadTest(atom,k,atomAsInt) ::= "LA<decisionNumber>_<stateNumber>==<atom>"

/** Sometimes a lookahead test cannot assume that LA(k) is in a temp variable
* somewhere. Must ask for the lookahead directly.
*/
isolatedLookaheadTest(atom,k,atomAsInt) ::= "[input LA:<k>] == <atom>"

lookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= <%
(LA<decisionNumber>_<stateNumber> >= <lower> && LA<decisionNumber>_<stateNumber> \<= <upper>)
%>

isolatedLookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= "(((input LA:<k>] >=
<lower>) && ([input LA:<k>] \<= <upper>)))"

setTest(ranges) ::= <%
<ranges; separator="||">
%>

// A T T R I B U T E S

memVars(scope) ::= <% <scope.attributes:{a|<a.type> <a.name>;<\n>}; separator="\n"> %>

properties(scope) ::= <%
<scope.attributes:{a|@property (assign, getter=get<a.name>, setter=set<a.name>:) <a.type> <a.name>;<\n>};
separator="\n">
%>

methodsDecl(scope) ::= <%
<scope.attributes:{a|- (<a.type>)get<a.name>;<\n>- (void)set<a.name>:(<a.type>)aVal;<\n>}; separator="\n">
%>

synthesize(scope) ::= <% <scope.attributes:{a|@synthesize <a.name>;}; separator="\n"> %>

methods(scope) ::= <%
<scope.attributes:{a|
- (<a.type>)get<a.name> { return(<a.name>); }\<\n>
- (void)set<a.name>:(<a.type>)aVal { <a.name> = aVal; }\<\n>}; separator="\n">

```

```

%>

globalAttributeScopeInterface(scope) ::= <%
/* globalAttributeScopeInterface */<\n>
@interface <scope.name>_Scope : SymbolsScope {<\n>
<if(scope.attributes)>
<memVars(scope)>
<endif>
}<\n>
<if(scope.attributes)>
/* start of globalAttributeScopeInterface properties */<\n>
<properties(scope)>
/* end globalAttributeScopeInterface properties */<\n>
<endif>

+ (<scope.name>_Scope *)new<scope.name>_Scope;<\n>
- (id) init;<\n>
<if(scope.attributes)>
/* start of globalAttributeScopeInterface methodsDecl */<\n>
<methodsDecl(scope)>
/* End of globalAttributeScopeInterface methodsDecl */<\n>
<endif>
@end /* end of <scope.name>_Scope interface */<\n>
%>

globalAttributeScopeMemVar(scope) ::= <%
/* globalAttributeScopeMemVar */<\n>
SymbolStack *<scope.name>_stack;<\n>
<scope.name>_Scope *<scope.name>_scope;<\n>
%>

globalAttributeScopeImplementation(scope) ::= <%
@implementation <scope.name>_Scope /* globalAttributeScopeImplementation */<\n>
<if(scope.attributes)>
/* start of synthesize -- OBJC-Line 1750 */<\n>
<synthesize(scope)><\n>
<endif>
<\n>
+ (<scope.name>_Scope *)new<scope.name>_Scope<\n>
{<\n>
return [[<scope.name>_Scope alloc] init];<\n>
}<\n>
<\n>
- (id) init<\n>
{<\n>
self = [super init];<\n>
return self;<\n>
}<\n>

```

```

<\n>
<if(scope.attributes)>
/* start of iterate get and set functions */<\n>
<methods(scope)><\n>
/* End of iterate get and set functions */<\n>
<endif>
@end /* end of <scope.name>_Scope implementation */<\n><\n>
%>

globalAttributeScopeInit(scope) ::= <<
/* globalAttributeScopeInit */<\n>
<scope.name>_scope = [<scope.name>_Scope new<scope.name>_Scope];<\n>
<scope.name>_stack = [SymbolStack newSymbolStackWithLen:30];<\n>
>>

globalAttributeScopeDealloc(scope) ::= <% [<scope.name>_stack release];<\n> %>

globalAttributeScope(scope) ::= <%
<if(scope.name)>
static <scope.name>_stack;<\n>
<endif>
%>

ruleAttributeScopeMemVar(scope) ::= <%
/* ObjC ruleAttributeScopeMemVar */<\n>
<if(scope.attributes)>
<scope.name>_Scope *<scope.name>_scope; /* ObjC ruleAttributeScopeMemVar */<\n>
<endif>
%>

ruleAttributeScopeInterface(scope) ::= <%
<if(scope.attributes)>
/* start of ruleAttributeScopeInterface */<\n>
@interface <scope.name>_Scope : SymbolsScope {<\n>
 <memVars(scope)><\n>
}<\n>
<\n>
/* start property declarations */<\n>
<properties(scope)><\n>
/* start method declarations */<\n>
+ (<scope.name>_Scope *)new<scope.name>_Scope;<\n>
- (id) init;<\n>
<methodsDecl(scope)><\n>
@end /* end of ruleAttributeScopeInterface */<\n><\n>
<endif>
%>

ruleAttributeScopeImplementation(scope) ::= <%

```

```

<if(scope.attributes)>
@implementation <scope.name>_Scope /* start of ruleAttributeScopeImplementation */<\n>
<synthesize(scope)><\n>
<\n>
+ (<scope.name>_Scope *)new<scope.name>_Scope<\n>
{<\n>
 return [[<scope.name>_Scope alloc] init];<\n>
}<\n>
<\n>
- (id) init<\n>
{<\n>
 self = [super init];<\n>
 return self;<\n>
}<\n>
<\n>
/* start of <scope.name>_Scope get and set functions */<\n>
<methods(scope)><\n>
/* End of <scope.name>_Scope get and set functions */<\n>
@end /* end of ruleAttributeScopeImplementation */<\n><\n>
<endif>
%>

```

```

ruleAttributeScopeInit(scope) ::= <%
/* ruleAttributeScopeInit */<\n>
<scope.name>_scope = [<scope.name>_Scope new<scope.name>_Scope];<\n>
<scope.name>_stack = [SymbolStack newSymbolStackWithLen:30];<\n>
%>

```

```

ruleAttributeScopeDealloc(scope) ::= <% [<scope.name>_Scope release];<\n> %>

```

```

ruleAttributeScope(scope) ::= <%
<if(scope.attributes)>
/* ruleAttributeScope */<\n>
static SymbolStack *<scope.name>_stack;<\n>
static <scope.name>_Scope *<scope.name>_scope;
<endif>
%>

```

```

ruleAttributeScopeDecl(scope) ::= <%
/* ruleAttributeScopeDecl */<\n>
<if(scope.attributes)>
<scope.name>_Scope *<scope.name>_scope;<\n>
<endif>
%>

```

```

returnStructName(r) ::= "<className()>_<r.name>_return"

```

```

returnType() ::= <%

```

```

<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasMultipleReturnValues)>
<ruleDescriptor:returnStructName()> *
<else>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnType>
<else>
void
<endif>
<endif>
<else>
void
<endif>
%>

/** Generate the Objective-C type associated with a single or multiple return
 * values.
 */
ruleLabelType(referencedRule) ::= <%
<if(referencedRule.hasMultipleReturnValues)>
<className()>_<referencedRule.name>_return *<else>
<if(referencedRule.hasSingleReturnValue)><referencedRule.singleValueReturnType><else>
void<endif>
<endif>
%>

delegateName(d) ::= <% <if(d.label)><d.label><else>g<d.name><endif> %>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <% <objcTypeInitMap.(typeName)> %>

/** Define a rule label including default value */
ruleLabelDef(label) ::= <%
<ruleLabelType(referencedRule=label.referencedRule)> <label.label.text> =
<initValue(typeName=ruleLabelType(referencedRule=label.referencedRule))>;<\n>
%>

/** Define a return struct for a rule if the code needs to access its
 * start/stop tokens, tree stuff, attributes, ... Leave a hole for
 * subgroups to stick in members.
 */
returnScopeInterface(scope) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
/* returnScopeInterface <ruleDescriptor:returnStructName()> */
@interface <ruleDescriptor:returnStructName()> :
<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope { /* returnScopeInterface line 1838 */

```



```

<@memVars()> /* ObjC start of memVars() */<\n>
<if(scope.attributes)>
<memVars(scope)><\n>
<endif>
}
/* start property declarations */
<@properties()><\n>
<if(scope.attributes)>
<properties(scope)><\n>
<endif>
/* start of method declarations */<\n>
+ (<ruleDescriptor:returnStructName()> *)new<ruleDescriptor:returnStructName()>;
/* this is start of set and get methods */
<@methodsDecl()> /* methodsDecl */<\n>
<if(scope.attributes)>
/* start of iterated get and set functions */<\n>
<methodsDecl(scope)><\n>
<endif>
@end /* end of returnScopeInterface interface */<\n>
<endif>
>>

returnScopeImplementation(scope) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
@implementation <ruleDescriptor:returnStructName()> /* returnScopeImplementation */<\n>
<@synthesize()> /* start of synthesize -- OBJC-Line 1837 */<\n>
<if(scope.attributes)>
<synthesize(scope)><\n>
<endif>
+ (<ruleDescriptor:returnStructName()> *)new<ruleDescriptor:returnStructName()><\n>
{<\n>
return [[(<ruleDescriptor:returnStructName()> alloc) init] retain];<\n>
}<\n>
<\n>
- (id) init<\n>
{<\n>
self = [super init];<\n>
return self;<\n>
}<\n>
<\n>
<@methods()><\n>
<if(scope.attributes)>
/* start of iterate get and set functions */<\n>
<methods(scope)><\n>
/* End of iterate get and set functions */<\n>
<endif>
<actions.(actionScope).ruleReturnMethods>
<@ruleReturnMembers()><\n>

```

```

@end /* end of returnScope implementation */<\n><\n>
<endif>
%>

parameterScope(scope) ::= <<
<! <scope.attributes:{ it | :(<it.type><it.name>); separator=" "> !>
<first(scope.attributes):{ a | :(<a.type><a.name>)> <rest(scope.attributes):{ a | arg<i>:(<a.type><a.name> }>
separator=" ">
>>

parameterAttributeRef(attr) ::= "<attr.name>"
parameterSetAttributeRef(attr,expr) ::= "<attr.name> = <expr>";

/** Note that the scopeAttributeRef does not have access to the
 * grammar name directly
 */
scopeAttributeRef(scope,attr,index,negIndex) ::= <%
<if(negIndex)>
(((<scope>_Scope *) [<scope>_stack objectAtIndex:[<scope>_stack size]-<negIndex>-1])).<attr.name>
<else>
<if(index)>
((<scope>_Scope *) [<scope>_stack objectAtIndex:<index>]).<attr.name>
<else>
((<scope>_Scope *) [<scope>_stack peek]).<attr.name>
<endif>
<endif>
%>

scopeSetAttributeRef(scope,attr,expr,index,negIndex) ::= <%
/* scopeSetAttributeRef */
<if(negIndex)>
((<scope>_Scope *) [<scope>_stack objectAtIndex:[<scope>_stack size]-<negIndex>-1]).<attr.name> = <expr>;
<else>
<if(index)>
((<scope>_Scope *) [<scope>_stack objectAtIndex:<index>]).<attr.name> = <expr>;
<else>
((<scope>_Scope *) [<scope>_stack peek]).<attr.name> = <expr>;
<endif>
<endif>
%>

scopeAttributeRefStack() ::= <<
/* scopeAttributeRefStack */
<if(negIndex)>
((<scope>_Scope *) [<scope>_stack objectAtIndex:[<scope>_stack count]-<negIndex>-1]).<attr.name> = <expr>;
<else>
<if(index)>
((<scope>_Scope *) [<scope>_stack objectAtIndex:<index>]).<attr.name> = <expr>;

```

```

<else>
(((<scope>_Scope *)[<scope>_stack peek]).<attr.name> = <expr>;
<endif>
<endif>
>>

/** $x is either global scope or x is rule with dynamic scope; refers
 * to stack itself not top of stack. This is useful for predicates
 * like {$function.size()>0 && $function::name.equals("foo")}?
 */
isolatedDynamicScopeRef(scope) ::= "<scope>_stack"

/** reference an attribute of rule; might only have single return value */
ruleLabelRef(referencedRule,scope,attr) ::= <<
<if(referencedRule.hasMultipleReturnValues)>
(<scope>!=nil?<scope>.<attr.name>:<initValue(attr.type)>)
<else>
<scope>
<endif>
>>

returnAttributeRef(ruleDescriptor,attr) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name> /* added to returnAttributeRef */<\n>
<else>
<attr.name><\n>
<endif>
%>

returnSetAttributeRef(ruleDescriptor,attr,expr) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name> =<expr>; /* added to returnSetAttributeRef */<\n>
<else>
<attr.name> = <expr>;<\n>
<endif>
%>

/** How to translate $tokenLabel */
tokenLabelRef(label) ::= "<label>"

/** ids+=ID {$ids} or e+=expr {$e} */
listLabelRef(label) ::= "list_<label>"

/* not sure the next are the right approach; and they are evaluated early; */
/* they cannot see TREE_PARSER or PARSER attributes for example. :(*/

tokenLabelPropertyRef_text(scope,attr) ::= "(<scope>!=nil?<scope>.text:nil)"

```

```

tokenLabelPropertyRef_type(scope,attr) ::= "<scope>!=nil?<scope>.type:0)"
tokenLabelPropertyRef_line(scope,attr) ::= "<scope>!=nil?<scope>.line:0)"
tokenLabelPropertyRef_pos(scope,attr) ::= "<scope>!=nil?<scope>.charPositionInLine:0)"
tokenLabelPropertyRef_channel(scope,attr) ::= "<scope>!=nil?<scope>.channel:0)"
tokenLabelPropertyRef_index(scope,attr) ::= "<scope>!=nil?[<scope> getTokenIndex]:0)"
tokenLabelPropertyRef_tree(scope,attr) ::= "<scope>_tree"
tokenLabelPropertyRef_int(scope,attr) ::= "<scope>!=nil?[<scope>.text integerValue]:0)"

ruleLabelPropertyRef_start(scope,attr) ::= "<scope>!=nil?((<labelType> *)<scope>.start):nil)"
ruleLabelPropertyRef_stop(scope,attr) ::= "<scope>!=nil?((<labelType> *)<scope>.stopToken):nil)"
ruleLabelPropertyRef_tree(scope,attr) ::= "<scope>!=nil?((<ASTLabelType> *)<scope>.tree):nil)"
ruleLabelPropertyRef_text(scope,attr) ::= <%
<if(TREE_PARSER)>
<scope>!=nil?[[input getTokenStream] toStringFromStart:[[input getTreeAdaptor] getTokenStartIndex:[<scope>
getStart]]
 ToEnd:[[input getTreeAdaptor] getTokenStopIndex:[<scope> getStart]]]:0)
<else>
<scope>!=nil?([input toStringFromToken:[<scope> getStart] ToToken:[<scope> getStop]]):0)
<endif>
%>
ruleLabelPropertyRef_st(scope,attr) ::= "<scope>!=nil?[<scope> st]:nil)"

/** Isolated $RULE ref ok in lexer as it's a Token */
lexerRuleLabel(label) ::= "<label>"

lexerRuleLabelPropertyRef_type(scope,attr) ::= "<scope>!=nil?<scope>.type:0)"
lexerRuleLabelPropertyRef_line(scope,attr) ::= "<scope>!=nil?<scope>.line:0)"
lexerRuleLabelPropertyRef_pos(scope,attr) ::= "<scope>!=nil?<scope>.charPositionInLine:-1)"
lexerRuleLabelPropertyRef_channel(scope,attr) ::= "<scope>!=nil?<scope>.channel:0)"
lexerRuleLabelPropertyRef_index(scope,attr) ::= "<scope>!=nil?[<scope> getTokenIndex]:0)"
lexerRuleLabelPropertyRef_text(scope,attr) ::= "<scope>!=nil?<scope>.text:nil)"
lexerRuleLabelPropertyRef_int(scope,attr) ::= "<scope>!=nil?[<scope>.text integerValue]:0)"

// Somebody may ref $template or $tree or $stop within a rule:
rulePropertyRef_start(scope,attr) ::= "((<labelType> *)retval.start)"
rulePropertyRef_stop(scope,attr) ::= "((<labelType> *)retval.stopToken)"
rulePropertyRef_tree(scope,attr) ::= "((<ASTLabelType> *)retval.tree)"
rulePropertyRef_text(scope,attr) ::= <<
<if(TREE_PARSER)>
[[input getTokenStream] toStringFromStart:[[input getTreeAdaptor]
getTokenStartIndex:retval.start.token.startIndex]
 ToEnd:[[input getTreeAdaptor] getTokenStopIndex:retval.start.token.stopIndex]]
<else>
[input toStringFromToken:retval.start ToToken:[input LT:-1]]
<endif>
>>
rulePropertyRef_st(scope,attr) ::= "retval.st"

```

```

/* hideous: find a way to cut down on the number of templates to support read/write access */
/* TODO: also, which ones are valid to write to? ask Ter */
lexerRuleSetPropertyRef_text(scope,attr,expr) ::= "state.text = <expr>";
lexerRuleSetPropertyRef_type(scope,attr,expr) ::= "_type"
lexerRuleSetPropertyRef_line(scope,attr,expr) ::= "state.tokenStartLine"
lexerRuleSetPropertyRef_pos(scope,attr,expr) ::= "state.tokenStartCharPositionInLine"
lexerRuleSetPropertyRef_index(scope,attr,expr) ::= "-1" /* undefined token index in lexer */
lexerRuleSetPropertyRef_channel(scope,attr,expr) ::= "state.channel=<expr>";
lexerRuleSetPropertyRef_start(scope,attr,expr) ::= "state.tokenStartCharIndex"
lexerRuleSetPropertyRef_stop(scope,attr,expr) ::= "(input.index-1)"

lexerRulePropertyRef_text(scope,attr) ::= "self.text"
lexerRulePropertyRef_type(scope,attr) ::= "state.type"
lexerRulePropertyRef_line(scope,attr) ::= "state.tokenStartLine"
lexerRulePropertyRef_pos(scope,attr) ::= "state.tokenStartCharPositionInLine"
lexerRulePropertyRef_index(scope,attr) ::= "-1" // undefined token index in lexer
lexerRulePropertyRef_channel(scope,attr) ::= "_channel"
lexerRulePropertyRef_start(scope,attr) ::= "state.tokenStartCharIndex"
lexerRulePropertyRef_stop(scope,attr) ::= "(input.index-1)"
lexerRulePropertyRef_int(scope,attr) ::= "[<scope>.text integerValue]"

// setting $st and $tree is allowed in local rule. everything else
// is flagged as error
ruleSetPropertyRef_tree(scope,attr,expr) ::= "retval.start =<expr>";
ruleSetPropertyRef_st(scope,attr,expr) ::= "retval.st =<expr>"; /* "<\n>#error StringTemplates are
unsupported<\n>" */

/** How to execute an action */
execAction(action) ::= <<
<if(backtracking)>
if (<actions.(actionScope).synpredgate>) {
 <action>
}
<else>
<action>
<endif>
>>

/** How to always execute an action even when backtracking */
execForcedAction(action) ::= "<action>"

// M I S C (properties, etc...)

bitset(name, words64) ::= <<
static ANTLRBitSet *<name>;
static const unsigned long long <name>_data[] = { <words64:{it | <it>LL};separator=", ">><\n>

```

>>

```
bitsetInit(name, words64) ::= <<
<name> = [[ANTLRBitSet newBitSetWithBits:(const unsigned long long *)<name>_data
Count:(NSUInteger)<length(words64)>] retain];<n>
>>
```

```
codeFileExtension() ::= ".m"
```

```
true_value() ::= "YES"
```

```
false_value() ::= "NO"
```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/ObjC/ObjC.stg
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
[The "BSD license"]
```

```
Copyright (c) 2005-2006 Terence Parr
```

```
Copyright (c) 2007-2008 Ronald Blaschke
```

```
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```

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```
*/
```

```
group Perl5;
```

```

/** The overall file structure of a recognizer; stores methods for rules
 * and cyclic DFAs plus support code.
 */
outputFile(LEXER,PARSER,TREE_PARSER, actionScope, actions,
 docComment, recognizer,
 name, tokens, tokenNames, rules, cyclicDFAs,
 bitsets, buildTemplate, buildAST, rewriteMode, profile,
 backtracking, synpreds, memoize, numRules,
 fileName, ANTLRVersion, generatedTimestamp, trace,
 scopes, superClass, literals) ::=
<<
$ANTLR <ANTLRVersion> <fileName> <generatedTimestamp>
<actions.(actionScope).header>

<@imports>
<if(TREE_PARSER)>
<endif>
<if(backtracking)>
<endif>
<@end>

<docComment>
<recognizer>
>>

lexer(grammar, name, tokens, scopes, rules, numRules, labelType="Token",
 filterMode, superClass="ANTLR::Runtime::Lexer") ::= <<
package <name>;

use Carp;
use English qw(-no_match_vars);
use Readonly;
use Switch;

use ANTLR::Runtime::BaseRecognizer;
use ANTLR::Runtime::DFA;
use ANTLR::Runtime::NoViableAltException;

use Moose;

extends 'ANTLR::Runtime::Lexer';

Readonly my $HIDDEN => ANTLR::Runtime::BaseRecognizer->HIDDEN;
sub HIDDEN { $HIDDEN }

use constant {
 <tokens:{ <it.name> => <it.type>, }; separator="\n">
};

```

```

<scopes:{<if(it.isDynamicGlobalScope)><globalAttributeScope(scope=it)><endif>}>
<actions.lexer.members>

sub BUILD {
 my ($self, $arg_ref) = @_ ;

 $self->init_dfas();
}

sub get_grammar_file_name {
 return "<fileName>";
}

<if(filterMode)>
<filteringNextToken()>
<endif>
<rules; separator="\n\n">

<synpreds:{p | <lexerSynpred(p)>}>

<cyclicDFAs:{dfa | has 'dfa<dfa.decisionNumber>';}; separator="\n">

sub init_dfas {
 my ($self) = @_ ;

 <cyclicDFAs:{dfa |
 $self->dfa<dfa.decisionNumber>(<name::DFA<dfa.decisionNumber>->new({ recognizer => $self }));
 }; separator="\n">

 return;
}

<cyclicDFAs:cyclicDFA()> <! dump tables for all DFA !>

no Moose;
__PACKAGE__->meta->make_immutable();
1;

>>

perlTypeInitMap ::= [
 "$":"undef",
 "@":"()",
 "%":"()",
 default:"undef"
]

/** A override of Lexer.nextToken() that backtracks over mTokens() looking

```



- \* for matches. No error can be generated upon error; just rewind, consume
- \* a token and then try again. backtracking needs to be set as well.
- \* Make rule memoization happen only at levels above 1 as we start mTokens
- \* at backtracking==1.

\*/

filteringNextToken() ::= <<

```
public Token nextToken() {
 while (true) {
 if (input.LA(1)==CharStream.EOF) {
 return Token.EOF_TOKEN;
 }
 token = null;
channel = Token.DEFAULT_CHANNEL;
 tokenStartCharIndex = input.index();
 tokenStartCharPositionInLine = input.getCharPositionInLine();
 tokenStartLine = input.getLine();
text = null;
 try {
 int m = input.mark();
 backtracking=1; <!-- means we won't throw slow exception !>
 failed=false;
 mTokens();
 backtracking=0;
 <!-- mTokens backtracks with synpred at backtracking==2
 and we set the synpredgate to allow actions at level 1. !>
 if (failed) {
 input.rewind(m);
 input.consume(); <!-- advance one char and try again !>
 }
 else {
 emit();
 return token;
 }
 }
 catch (RecognitionException re) {
 // shouldn't happen in backtracking mode, but...
 reportError(re);
 recover(re);
 }
 }
}
```

```
public void memoize(IntStream input,
 int ruleIndex,
 int ruleStartIndex)
{
 if (backtracking>1) super.memoize(input, ruleIndex, ruleStartIndex);
}
```

```

public boolean alreadyParsedRule(IntStream input, int ruleIndex) {
if (backtracking>1) return super.alreadyParsedRule(input, ruleIndex);
return false;
}
>>

actionGate() ::= "$self->state->backtracking==0"

filteringActionGate() ::= "backtracking==1"

/** How to generate a parser */
genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
 bitsets, inputStreamType, superClass, filterMode,
 ASTLabelType="Object", labelType, members) ::= <<
package <name>;

use English qw(-no_match_vars);
use Readonly;
use Switch;
use Carp;
use ANTLR::Runtime::BitSet;

use Moose;

extends '<@superClassName><superClass><@end>';

Readonly my $token_names => [
 "\<invalid>", "\<EOR>", "\<DOWN>", "\<UP>", <tokenNames; separator=", ">
];

use constant {
<tokens:{ <it.name> => <it.type>, }; separator="\n">
};

<bitsets:bitset(name={FOLLOW_<it.name>_in_<it.inName><it.tokenIndex>},
 words64=it.bits)>

<scopes:{<if(it.isDynamicGlobalScope)><globalAttributeScope(scope=it)><endif>}>
<@members>
<! WARNING. bug in ST: this is cut-n-paste into Dbg.stg !>

sub BUILD {
 my ($self, $arg_ref) = @_;

<if(backtracking)>
 $self->state->rule_memo({});<\n>
<endif>

```

```

}
<@end>

sub get_token_names {
 return $token_names;
}

sub get_grammar_file_name {
 return "<fileName>";
}

<members>

<rules; separator="\n\n">

<synpreds:{ p | <synpred(p)>}>

<cyclicDFAs:{ dfa | dfa<dfa.decisionNumber> = __PACKAGE__::DFA<dfa.decisionNumber>->new($self);};
separator="\n">
<cyclicDFAs:cyclicDFA(> <! dump tables for all DFA !>

no Moose;
__PACKAGE__->meta->make_immutable();
1;
__END__
>>

parser(grammar, name, scopes, tokens, tokenNames, rules, numRules, bitsets, ASTLabelType,
superClass="ANTLR::Runtime::Parser", labelType="ANTLR::Runtime::Token",
members={<actions.parser.members>}) ::= <<
<genericParser(inputStreamType="ANTLR::Runtime::TokenStream", ...)>
>>

/** How to generate a tree parser; same as parser except the input
 * stream is a different type.
 */
treeParser(grammar, name, scopes, tokens, tokenNames, globalAction, rules, numRules, bitsets,
labelType={<ASTLabelType>}, ASTLabelType="Object", superClass="ANTLR::Runtime::TreeParser",
members={<actions.treeparser.members>}, filterMode) ::= <<
<genericParser(inputStreamType="TreeNodeStream", ...)>
>>

/** A simpler version of a rule template that is specific to the imaginary
 * rules created for syntactic predicates. As they never have return values
 * nor parameters etc..., just give simplest possible method. Don't do
 * any of the normal memoization stuff in here either; it's a waste.
 * As predicates cannot be inlined into the invoking rule, they need to
 * be in a rule by themselves.

```

```

*/
synpredRule(ruleName, ruleDescriptor, block, description, nakedBlock) ::=
<<
$ANTLR start <ruleName>
sub <ruleName>_fragment {
<ruleDescriptor.parameterScope:parameterScope(scope=it)>

<if(trace)>
 $self->traceIn("<ruleName>_fragment", <ruleDescriptor.index>);
 eval {
 <block>
 };
 $self->traceOut("<ruleName>_fragment", <ruleDescriptor.index>);
 if ($EVAL_ERROR) {
 croak $EVAL_ERROR;
 }
<else>
 <block>
<endif>
}
$ANTLR end <ruleName>
>>

```

```

synpred(name) ::= <<
public final boolean <name>() {
 backtracking++;
 <@start()>
 int start = input.mark();
 try {
 <name>_fragment(); // can never throw exception
 } catch (RecognitionException re) {
 System.err.println("impossible: "+re);
 }
 boolean success = !failed;
 input.rewind(start);
 <@stop()>
 backtracking--;
 failed=false;
 return success;
}<\n>
>>

```

```

lexerSynpred(name) ::= <<
<synpred(name)>
>>

```

```

ruleMemoization(name) ::= <<
<if(memoize)>

```

```

if (backtracking>0 && alreadyParsedRule(input, <ruleDescriptor.index>)) { return <ruleReturnValue(); }
<endif>
>>

/** How to test for failure and return from rule */
checkRuleBacktrackFailure() ::= <<
<if(backtracking)>
if ($self->state->failed) {
 return <ruleReturnValue();
}
<endif>
>>

/** This rule has failed, exit indicating failure during backtrack */
ruleBacktrackFailure() ::= <<
<if(backtracking)>if (backtracking>0) { failed=true; return <ruleReturnValue();}<endif>
>>

/** How to generate code for a rule. This includes any return type
 * data aggregates required for multiple return values.
 */
rule(ruleName,ruleDescriptor,block,emptyRule,description,exceptions,finally,memoize) ::= <<
<ruleAttributeScope(scope=ruleDescriptor.ruleScope)>
<returnScope(scope=ruleDescriptor.returnScope)>

$ANTLR start <ruleName>
<fileName>:<description>
sub <ruleName>() {
 my ($self, <ruleDescriptor.parameterScope:parameterScope(scope=it)>) = @_ ;
 <if(trace)>$self->traceIn("<ruleName>", <ruleDescriptor.index>);<endif>
 <ruleScopeSetUp()>
 <ruleDeclarations()>
 <ruleLabelDefs()>
 <ruleDescriptor.actions.init>
 <@preamble()>
 eval {
 <ruleMemoization(name=ruleName)>
 <block>
 <ruleCleanUp()>
 <(ruleDescriptor.actions.after):execAction()>
 };
 <if(exceptions)>
 <exceptions:{e|<catch(decl=e.decl,action=e.action)><n}>}>
 <else>
 <if(!emptyRule)>
 <if(actions.(actionScope).rulecatch)>
 <actions.(actionScope).rulecatch>
 <else>

```

```

my $exception = $EVAL_ERROR;
if (ref $exception && $exception->isa('ANTLR::Runtime::RecognitionException')) {
 $self->report_error($exception);
 $self->recover($self->input, $exception);
 $exception = undef;
}
<\n>
<endif>
<endif>
<endif>
<if(trace)>$self->traceOut("<ruleName>", <ruleDescriptor.index>);<endif>
<memoize()>
<ruleScopeCleanUp()>
<finally>
if ($exception) {
 croak $exception;
 # $exception->rethrow();
}
<@postamble()>
return <ruleReturnValue()>;
}
$ANTLR end <ruleName>
>>

catch(decl,action) ::= <<
catch (<e.decl>) {
 <e.action>
}
>>

ruleDeclarations() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
my $retval = <returnType()>->new();
$retval->set_start($self->input->LT(1));<\n>
<else>
<ruleDescriptor.returnScope.attributes:{ a |
my $<a.name> = <if(a.initValue)><a.initValue><else><initValue(a.type)><endif>;
}>
<endif>
<if(memoize)>
my $<ruleDescriptor.name>_start_index = $self->input->index();
<endif>
>>

ruleScopeSetUp() ::= <<
<ruleDescriptor.useScopes:{<it>_stack.push(new <it>_scope());}; separator="\n">
<ruleDescriptor.ruleScope:{<it.name>_stack.push(new <it.name>_scope());}; separator="\n">
>>

```

```

ruleScopeCleanUp() ::= <<
<ruleDescriptor.useScopes:{<it>_stack.pop();}; separator="\n">
<ruleDescriptor.ruleScope:{<it.name>_stack.pop();}; separator="\n">
>>

```

```

ruleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels]
: {my $<it.label.text> = undef;}; separator="\n"
>
<[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels]
: {List list_<it.label.text>=null;}; separator="\n"
>
<ruleDescriptor.ruleLabels:ruleLabelDef(label=it); separator="\n">
<ruleDescriptor.ruleListLabels: {ll|RuleReturnScope <ll.label.text> = null;}; separator="\n">
>>

```

```

lexerRuleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]
: {<labelType> <it.label.text>=null;}; separator="\n"
>
<ruleDescriptor.charLabels: {my $<it.label.text>;}; separator="\n">
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels,
ruleDescriptor.ruleListLabels]
: {List list_<it.label.text>=null;}; separator="\n"
>
>>

```

```

ruleReturnValue() ::= <<
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasReturnValue)>
<if(ruleDescriptor.hasSingleReturnValue)>
$<ruleDescriptor.singleValueReturnName>
<else>
$retval
<endif>
<endif>
<endif>
>>

```

```

ruleCleanUp() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!TREE_PARSER)>
$retval->set_stop($self->input->LT(-1));<\n>
<endif>
<endif>

```

```

>>

memoize() ::= <<
<if(memoize)>
<if(backtracking)>
if (backtracking>0) { memoize(input, <ruleDescriptor.index>, <ruleDescriptor.name>_StartIndex); }
<endif>
<endif>
>>

/** How to generate a rule in the lexer; naked blocks are used for
 * fragment rules.
 */
lexerRule(ruleName,nakedBlock,ruleDescriptor,block,memoize) ::= <<
$ANTLR start <ruleName>
sub m_<ruleName> {
<ruleDescriptor.parameterScope:parameterScope(scope=it)>
my ($self) = @_;
<if(trace)>traceIn("<ruleName>", <ruleDescriptor.index>);<endif>
<ruleDeclarations()>
eval {
<if(nakedBlock)>
<ruleMemoization(name=ruleName)>
<lexerRuleLabelDefs()>
<ruleDescriptor.actions.init>
<block><\n>
<else>
my $_type = <ruleName>;
my $_channel = $self->DEFAULT_TOKEN_CHANNEL;
<ruleMemoization(name=ruleName)>
<lexerRuleLabelDefs()>
<ruleDescriptor.actions.init>
<block>
<ruleCleanUp()>
$self->state->type($_type);
$self->state->channel($_channel);
<(ruleDescriptor.actions.after):execAction()>
<endif>
};
<if(trace)>traceOut("<ruleName>", <ruleDescriptor.index>);<endif>
<memoize()>

if ($EVAL_ERROR) {
croak $EVAL_ERROR;
}
}
$ANTLR end <ruleName>
>>

```



```

/** How to generate code for the implicitly-defined lexer grammar rule
 * that chooses between lexer rules.
 */
tokensRule(ruleName,nakedBlock,args,block,ruleDescriptor) ::= <<
sub m_tokens {
 my ($self) = @_;
 <block><\n>
}
>>

// S U B R U L E S

/** A (...) subrule with multiple alternatives */
block(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
<fileName>:<description>
my $alt<decisionNumber> = <maxAlt>;
<decls>
<@predecision()>
<decision>
<@postdecision()>
<@prebranch()>
switch ($alt<decisionNumber>) {
 <alts:altSwitchCase()>
}
<@postbranch()>
>>

/** A rule block with multiple alternatives */
ruleBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
<fileName>:<description>
my $alt<decisionNumber> = <maxAlt>;
<decls>
<@predecision()>
<decision>
<@postdecision()>
switch ($alt<decisionNumber>) {
 <alts:altSwitchCase()>
}
>>

ruleBlockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
<fileName>:<description>
<decls>
<@prealt()>
<alts>
<@postalt()>
>>

```

```

/** A special case of a (...) subrule with a single alternative */
blockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
<fileName>:<description>
<decls>
<@prealt()>
<alts>
<@postalt()>
>>

/** A (..)+ block with 1 or more alternatives */
positiveClosureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
<fileName>:<description>
my $cnt<decisionNumber> = 0;
<decls>
<@preloop()>
LOOP<decisionNumber>:
while (1) {
 my $alt<decisionNumber> = <maxAlt>;
 <@predecision()>
 <decision>
 <@postdecision()>
 switch ($alt<decisionNumber>) {
 <alts:altSwitchCase()>
 else {
 if ($cnt<decisionNumber> >= 1) { last LOOP<decisionNumber> }
 <ruleBacktrackFailure()>
 my $see =
 ANTLR::Runtime::EarlyExitException->new(<decisionNumber>, $self->input);
 <@earlyExitException()>
 croak $see;
 }
 }
 ++$cnt<decisionNumber>;
}
<@postloop()>
>>

```

```

positiveClosureBlockSingleAlt ::= positiveClosureBlock

```

```

/** A (..)* block with 1 or more alternatives */
closureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
<fileName>:<description>
<decls>
<@preloop()>
LOOP<decisionNumber>:

```

```

while (1) {
 my $alt<decisionNumber> = <maxAlt>;
 <@predecision()>
 <decision>
 <@postdecision()>
 switch ($alt<decisionNumber>) {
 <alts:altSwitchCase()>
 else { last LOOP<decisionNumber> }
 }
}
<@postloop()>
>>

closureBlockSingleAlt ::= closureBlock

/** Optional blocks (x)? are translated to (x|) by before code generation
 * so we can just use the normal block template
 */
optionalBlock ::= block

optionalBlockSingleAlt ::= block

/** A case in a switch that jumps to an alternative given the alternative
 * number. A DFA predicts the alternative and then a simple switch
 * does the jump to the code that actually matches that alternative.
 */
altSwitchCase() ::= <<
case <i> {
 <@prealt()>
 <it>
}<\n>
>>

/** An alternative is just a list of elements; at outermost level */
alt(elements,altNum,description,autoAST,outerAlt,treeLevel,rew) ::= <<
<fileName>:<description>
{
 <@declarations()>
 <elements:element()>
 <rew>
 <@cleanup()>
}
>>

/** What to emit when there is no rewrite. For auto build
 * mode, does nothing.
 */
noRewrite(rewriteBlockLevel, treeLevel) ::= ""

```

```

// ELEMENTS

/** Dump the elements one per line */
element() ::= <<
<@prematch(>
<it.el><\n>
>>

/** match a token optionally with a label in front */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
<if(label)>$<label> =<endif>$self->match($self->input, <token>,
$FOLLOW_<token>_in_<ruleName><elementIndex>);
<checkRuleBacktrackFailure(>
>>

/** ids+=ID */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...>
<listLabel(elem=label,...>
>>

listLabel(label,elem) ::= <<
if (list_<label>==null) list_<label>=new ArrayList();
list_<label>.add(<elem>);<\n>
>>

/** match a character */
charRef(char,label) ::= <<
<if(label)>
<label> = $self->input->LA(1);<\n>
<endif>
$self->match(<char>); <checkRuleBacktrackFailure(>
>>

/** match a character range */
charRangeRef(a,b,label) ::= <<
<if(label)>
<label> = $self->input->LA(1);<\n>
<endif>
$self->match_range(<a>,); <checkRuleBacktrackFailure(>
>>

/** For now, sets are interval tests and must be tested inline */
matchSet(s,label,elementIndex,postmatchCode="") ::= <<
<if(label)>
<if(LEXER)>
<label>= $self->input->LA(1);<\n>

```

```

<else>
<label>=(<labelType>)input.LT(1);<\n>
<endif>
<endif>
if (<s>) {
 $self->input->consume();
 <postmatchCode>
<if(!LEXER)>
 $self->state->error_recovery(0);
<endif>
 <if(backtracking)>failed=false;<endif>
}
else {
 <ruleBacktrackFailure()>
 my $mse =
 ANTLR::Runtime::MismatchedSetException->new(undef, $self->input);
 <@mismatchedSetException()>
<if(LEXER)>
 $self->recover($mse);
 $mse->throw();
<else>
 $mse->throw();
 <! use following code to make it recover inline; remove throw mse;
 $self->recoverFromMismatchedSet($self->input, $mse, $FOLLOW_set_in_<ruleName><elementIndex>);
 !>
<endif>
}<\n>
>>

matchRuleBlockSet ::= matchSet

matchSetAndListLabel(s,label,elementIndex,postmatchCode) ::= <<
<matchSet(...)>
<listLabel(elem=label,...)>
>>

/** Match a string literal */
lexerStringRef(string,label,elementIndex) ::= <<
<if(label)>
int <label>Start = getCharIndex();
$self->match(<string>); <checkRuleBacktrackFailure()>
<labelType> <label> = new CommonToken(input, Token.INVALID_TOKEN_TYPE,
Token.DEFAULT_CHANNEL, <label>Start, getCharIndex()-1);
<else>
$self->match(<string>); <checkRuleBacktrackFailure()><\n>
<endif>
>>

```

```
wildcard(label,elementIndex) ::= <<
<if(label)>
<label>=(<labelType>)input.LT(1);<\n>
<endif>
matchAny(input); <checkRuleBacktrackFailure()>
>>
```

```
wildcardAndListLabel(label,elementIndex) ::= <<
<wildcard(...)>
<listLabel(elem=label,...)>
>>
```

```
/** Match . wildcard in lexer */
wildcardChar(label, elementIndex) ::= <<
<if(label)>
<label> = $self->input->LA(1);<\n>
<endif>
matchAny(); <checkRuleBacktrackFailure()>
>>
```

```
wildcardCharListLabel(label, elementIndex) ::= <<
<wildcardChar(...)>
<listLabel(elem=label,...)>
>>
```

```
/** Match a rule reference by invoking it possibly with arguments
 * and a return value or values.
 */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
$self->push_follow($FOLLOW_<rule.name>_in_<ruleName><elementIndex>);
<if(label)>
$self-><rule.name>(<args; separator="," ">);<\n>
<else>
$self-><rule.name>(<args; separator="," ">);<\n>
<endif>
$self->state->_fsp($self->state->_fsp - 1);
<checkRuleBacktrackFailure()>
>>
```

```
/** ids+=r */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(elem=label,...)>
>>
```

```
/** A lexer rule reference.
 *
 * The 'rule' argument was the target rule name, but now
```

```

* is type Rule, whose toString is same: the rule name.
* Now though you can access full rule descriptor stuff.
*/
lexerRuleRef(rule,label,args,elementIndex,scope) ::= <<
<if(label)>
int <label>Start<elementIndex> = getCharIndex();
$self->m_<rule><(args; separator=" "> <checkRuleBacktrackFailure()>
<label> = new CommonToken(input, Token.INVALID_TOKEN_TYPE, Token.DEFAULT_CHANNEL,
<label>Start<elementIndex>, getCharIndex()-1);
<else>
$self->m_<rule.name><(args; separator=" "> <checkRuleBacktrackFailure()>
<endif>
>>

/** i+=INT in lexer */
lexerRuleRefAndListLabel(rule,label,args,elementIndex,scope) ::= <<
<lexerRuleRef(...)>
<listLabel(elem=label,...)>
>>

/** EOF in the lexer */
lexerMatchEOF(label,elementIndex) ::= <<
<if(label)>
int <label>Start<elementIndex> = getCharIndex();
match(EOF); <checkRuleBacktrackFailure()>
<labelType> <label> = new CommonToken(input, EOF, Token.DEFAULT_CHANNEL,
<label>Start<elementIndex>, getCharIndex()-1);
<else>
match(EOF); <checkRuleBacktrackFailure()>
<endif>
>>

/** match ^(root children) in tree parser */
tree(root, actionsAfterRoot, children, nullableChildList,
enclosingTreeLevel, treeLevel) ::= <<
<root:element()>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if (input.LA(1)==Token.DOWN) {
match(input, Token.DOWN, null); <checkRuleBacktrackFailure()>
<children:element()>
match(input, Token.UP, null); <checkRuleBacktrackFailure()>
}
<else>
match(input, Token.DOWN, null); <checkRuleBacktrackFailure()>
<children:element()>
match(input, Token.UP, null); <checkRuleBacktrackFailure()>
<endif>

```

```

>>

/** Every predicate is used as a validating predicate (even when it is
 * also hoisted into a prediction expression).
 */
validateSemanticPredicate(pred,description) ::= <<
if (!(<evalPredicate(...)>)) {
 <ruleBacktrackFailure()>
 throw new FailedPredicateException(input, "<ruleName>", "<description>");
}
>>

// F i x e d D F A (if-then-else)

dfaState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
my $LA<decisionNumber>_<stateNumber> = $self->input->LA(<k>);<\n>
<edges; separator="\nls">
else {
<if(eotPredictsAlt)>
 $alt<decisionNumber> = <eotPredictsAlt>;
<else>
 <ruleBacktrackFailure()>
 my $nvae =
 ANTLR::Runtime::NoViableAltException->new({
 grammar_decision_description => "<description>",
 decision_number => <decisionNumber>,
 state_number => <stateNumber>,
 input => $self->input,
 });<\n>
 <@noViableAltException()>
 croak $nvae;<\n>
<endif>
}
>>

/** Same as a normal DFA state except that we don't examine lookahead
 * for the bypass alternative. It delays error detection but this
 * is faster, smaller, and more what people expect. For (X)? people
 * expect "if (LA(1)==X) match(X);" and that's it.
 */
dfaOptionalBlockState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
my $LA<decisionNumber>_<stateNumber> = $self->input->LA(<k>);<\n>
<edges; separator="\nls">
>>

/** A DFA state that is actually the loopback decision of a closure
 * loop. If end-of-token (EOT) predicts any of the targets then it
 * should act like a default clause (i.e., no error can be generated).

```



```

* This is used only in the lexer so that for ('a')* on the end of a rule
* anything other than 'a' predicts exiting.
*/
dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
my $LA<decisionNumber>_<stateNumber> = $self->input->LA(<k>);<\n>
<edges; separator="\nls"><\n>
<if(eotPredictsAlt)>
<if(!edges)>
$alt<decisionNumber> = <eotPredictsAlt>; <! if no edges, don't gen ELSE !>
<else>
else {
 $alt<decisionNumber> = <eotPredictsAlt>;
}<\n>
<endif>
<endif>
>>

```

```

/** An accept state indicates a unique alternative has been predicted */
dfaAcceptState(alt) ::= "$alt<decisionNumber> = <alt>";

```

```

/** A simple edge with an expression. If the expression is satisfied,
* enter to the target state. To handle gated productions, we may
* have to evaluate some predicates for this edge.
*/
dfaEdge(labelExpr, targetState, predicates) ::= <<
if ((<labelExpr> <if(predicates)>&& (<predicates>)<endif>) {
 <targetState>
}
>>

```

```

// F i x e d D F A (switch case)

```

```

/** A DFA state where a SWITCH may be generated. The code generator
* decides if this is possible: CodeGenerator.canGenerateSwitch().
*/
dfaStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch ($self->input->LA(<k>)) {
 <edges; separator="\n">
 else {
 <if(eotPredictsAlt)>
 $alt<decisionNumber> = <eotPredictsAlt>;
 <else>
 <ruleBacktrackFailure()>
 my $nvae =
 ANTLR::Runtime::NoViableAltException->new({
 grammar_decision_description => "<description>",
 decision_number => <decisionNumber>,
 state_number => <stateNumber>,

```

```

 input => $self->input,
 });<\n>
 <@noViableAltException()>
 croak $nvae;<\n>
<endif>
}
}<\n>
>>

dfaOptionalBlockStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch ($self->input->LA(<k>)) {
 <edges; separator="\n">
}<\n>
>>

dfaLoopbackStateSwitch(k, edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch ($self->input->LA(<k>)) {
 <edges; separator="\n"><\n>
 <if(eotPredictsAlt)>
 else { $alt<decisionNumber> = <eotPredictsAlt> }<\n>
 <endif>
}<\n>
>>

dfaEdgeSwitch(labels, targetState) ::= <<
case [<labels: { <it> }; separator=", ">] { <targetState> }
>>

// C y c l i c D F A

/** The code to initiate execution of a cyclic DFA; this is used
 * in the rule to predict an alt just like the fixed DFA case.
 * The <name> attribute is inherited via the parser, lexer, ...
 */
dfaDecision(decisionNumber,description) ::= <<
$alt<decisionNumber> = $self->dfa<decisionNumber>->predict($self->input);
>>

/* Dump DFA tables as run-length-encoded Strings of octal values.
 * Can't use hex as compiler translates them before compilation.
 * These strings are split into multiple, concatenated strings.
 * Java puts them back together at compile time thankfully.
 * Java cannot handle large static arrays, so we're stuck with this
 * encode/decode approach. See analysis and runtime DFA for
 * the encoding methods.
 */
cyclicDFA(dfa) ::= <<
Readonly my $DFA<dfa.decisionNumber>_eot => ANTLR::Runtime::DFA->unpack_rle([

```

```

<dfa.javaCompressedEOT; separator=", ">]);
Readonly my $DFA<dfa.decisionNumber>_eof => ANTLR::Runtime::DFA->unpack_rle([
<dfa.javaCompressedEOF; separator=", ">]);
Readonly my $DFA<dfa.decisionNumber>_min => ANTLR::Runtime::DFA->unpack_rle([
<dfa.javaCompressedMin; separator=", ">]);
Readonly my $DFA<dfa.decisionNumber>_max => ANTLR::Runtime::DFA->unpack_rle([
<dfa.javaCompressedMax; separator=", ">]);
Readonly my $DFA<dfa.decisionNumber>_accept => ANTLR::Runtime::DFA->unpack_rle([
<dfa.javaCompressedAccept; separator=", ">]);
Readonly my $DFA<dfa.decisionNumber>_special => ANTLR::Runtime::DFA->unpack_rle([
<dfa.javaCompressedSpecial; separator=", ">]);
Readonly my $DFA<dfa.decisionNumber>_transition => [
<dfa.javaCompressedTransition:{s|ANTLR::Runtime::DFA->unpack_rle([<s; separator=", ">])}; separator=", ">];

{
package <name>::DFA<dfa.decisionNumber>;
use ANTLR::Runtime::Class;

use strict;
use warnings;

extends 'ANTLR::Runtime::DFA';

sub BUILD {
 my $self = shift;
 my $param_ref = __PACKAGE__->unpack_params(@_, {
 spec => [
 {
 name => 'recognizer',
 isa => 'ANTLR::Runtime::BaseRecognizer'
 },
]
 });

 $self->recognizer($param_ref->{recognizer});
 $self->decision_number(<dfa.decisionNumber>);
 $self->eot($DFA<dfa.decisionNumber>_eot);
 $self->eof($DFA<dfa.decisionNumber>_eof);
 $self->min($DFA<dfa.decisionNumber>_min);
 $self->max($DFA<dfa.decisionNumber>_max);
 $self->accept($DFA<dfa.decisionNumber>_accept);
 $self->special($DFA<dfa.decisionNumber>_special);
 $self->transition($DFA<dfa.decisionNumber>_transition);
}

sub get_description {
 return "<dfa.description>";
}

```

```

<@errorMethod(>

<if(dfa.specialStateSTs)>
sub special_state_transition {
 my ($self, $param_ref) = unpack_params(@_, {
 spec => [
 {
 name => 's',
 type => SCALAR,
 },
 {
 name => 'input',
 isa => 'ANTLR::Runtime::IntStream',
 }
]
 });
 my $s = $param_ref->{s};
 my $input = $param_ref->{input};

 switch ($s) {
 <dfa.specialStateSTs:{state |
 case <i0> \{ <! compressed special state numbers 0..n-1 !>
 <state>}; separator="\n">
 }
 }

<if(backtracking)>
 if ($self->state->backtracking > 0) {
 $self->state->failed = 1;
 return -1;
 }<\n>
<endif>

 my $nvae =
 ANTLR::Runtime::NoViableAltException->new({
 grammar_decision_description => $self->get_description(),
 decision_number => <dfa.decisionNumber>,
 state_number => $s,
 input => $input,
 });<\n>
 $self->error($nvae);
 $nvae->throw();
 }<\n>
<endif>
}<\n>
>>

```

```

/** A state in a cyclic DFA; it's a special state and part of a big switch on
 * state.
 */
cyclicDFAState(decisionNumber,stateNumber,edges,needErrorClause,semPredState) ::= <<
my $input = $self->input;
my $LA<decisionNumber>_<stateNumber> = $input->LA(1);<\n>
<if(semPredState)> <! get next lookahead symbol to test edges, then rewind !>
my $index<decisionNumber>_<stateNumber> = $input->index();
$input->rewind();<\n>
<endif>
s = -1;
<edges; separator="\nls">
<if(semPredState)> <! return input cursor to state before we rewound !>
input.seek(index<decisionNumber>_<stateNumber>);<\n>
<endif>
if (s>=0) return s;
break;
>>

/** Just like a fixed DFA edge, test the lookahead and indicate what
 * state to jump to next if successful.
 */
cyclicDFAEdge(labelExpr, targetStateNumber, edgeNumber, predicates) ::= <<
if ((<labelExpr> <if(predicates)>&& (<predicates>)<endif>) { s = <targetStateNumber>;}<\n>
>>

/** An edge pointing at end-of-token; essentially matches any char;
 * always jump to the target.
 */
eotDFAEdge(targetStateNumber,edgeNumber, predicates) ::= <<
s = <targetStateNumber>;<\n>
>>

// D F A E X P R E S S I O N S

andPredicates(left,right) ::= "<left> && <right>"

orPredicates(operands) ::= "<operands; separator=\\|\\>"

notPredicate(pred) ::= "!(<evalPredicate(...)>)"

evalPredicate(pred,description) ::= "<pred>"

evalSynPredicate(pred,description) ::= "<pred>()"

lookaheadTest(atom,k,atomAsInt) ::= "$LA<decisionNumber>_<stateNumber> eq <atom>"

```

```

/** Sometimes a lookahead test cannot assume that LA(k) is in a temp variable
 * somewhere. Must ask for the lookahead directly.
 */
isolatedLookaheadTest(atom,k,atomAsInt) ::= "$self->input->LA(<k>) eq <atom>"

lookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= <<
($LA<decisionNumber>_<stateNumber> ge <lower> && $LA<decisionNumber>_<stateNumber> le <upper>)
>>

isolatedLookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= "($self->input->LA(<k>) ge
<lower> && $self->input->LA(<k>) le <upper>)"

setTest(ranges) ::= "<ranges; separator=\\\" || \\\">"

// A T T R I B U T E S

globalAttributeScope(scope) ::= <<
<if(scope.attributes)>
protected static class <scope.name>_scope {
 <scope.attributes:{<it.decl>;}; separator=\\\"\\n\">
}
protected Stack <scope.name>_stack = new Stack();<\\n>
<endif>
>>

ruleAttributeScope(scope) ::= <<
<if(scope.attributes)>
protected static class <scope.name>_scope {
 <scope.attributes:{<it.decl>;}; separator=\\\"\\n\">
}
protected Stack <scope.name>_stack = new Stack();<\\n>
<endif>
>>

returnType() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<ruleDescriptor.name>_return
<else>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnType>
<else>
void
<endif>
<endif>
>>

/** Generate the Java type associated with a single or multiple return
 * values.

```

```

*/
ruleLabelType(referencedRule) ::= <<
<if(referencedRule.hasMultipleReturnValues)>
<referencedRule.name>_return
<else>
<if(referencedRule.hasSingleReturnValue)>
<referencedRule.singleValueReturnType>
<else>
void
<endif>
<endif>
>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "undef".
 */
initValue(typeName) ::= <<
<if(typeName)>
<perlTypeInitMap.(typeName)>
<else>
undef
<endif>
>>

/** Define a rule label including default value */
ruleLabelDef(label) ::= <<
my $<label.label.text> = <initValue(typeName=ruleLabelType(referencedRule=label.referencedRule))>;<\n>
>>

/** Define a return struct for a rule if the code needs to access its
 * start/stop tokens, tree stuff, attributes, ... Leave a hole for
 * subgroups to stick in members.
 */
returnScope(scope) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
{
package <returnType()>;
use ANTLR::Runtime::Class;

extends 'ANTLR::Runtime::<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope';

<scope.attributes:{public <it.decl>;}; separator="\n">
<@ruleReturnMembers()>
}
<endif>
>>

parameterScope(scope) ::= <<

```

```

<scope.attributes:{$<it.name>}; separator=", ">
>>

parameterAttributeRef(attr) ::= "$<attr.name>"
parameterSetAttributeRef(attr,expr) ::= "$<attr.name> =<expr>";

scopeAttributeRef(scope,attr,index,negIndex) ::= <<
<if(negIndex)>
((<scope>_scope)<scope>_stack.elementAt(<scope>_stack.size()-<negIndex>-1)).<attr.name>
<else>
<if(index)>
((<scope>_scope)<scope>_stack.elementAt(<index>)).<attr.name>
<else>
((<scope>_scope)<scope>_stack.peek()).<attr.name>
<endif>
<endif>
>>

scopeSetAttributeRef(scope,attr,expr,index,negIndex) ::= <<
<if(negIndex)>
((<scope>_scope)<scope>_stack.elementAt(<scope>_stack.size()-<negIndex>-1)).<attr.name> =<expr>;
<else>
<if(index)>
((<scope>_scope)<scope>_stack.elementAt(<index>)).<attr.name> =<expr>;
<else>
((<scope>_scope)<scope>_stack.peek()).<attr.name> =<expr>;
<endif>
<endif>
>>

/** $x is either global scope or x is rule with dynamic scope; refers
 * to stack itself not top of stack. This is useful for predicates
 * like {$function.size()>0 && $function::name.equals("foo")}?
 */
isolatedDynamicScopeRef(scope) ::= "<scope>_stack"

/** reference an attribute of rule; might only have single return value */
ruleLabelRef(referencedRule,scope,attr) ::= <<
<if(referencedRule.hasMultipleReturnValues)>
$<scope>.<attr.name>
<else>
$<scope>
<endif>
>>

returnAttributeRef(ruleDescriptor,attr) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name>

```



```

<else>
$<attr.name>
<endif>
>>

returnSetAttributeRef(ruleDescriptor,attr,expr) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name> =<expr>;
<else>
$<attr.name> =<expr>;
<endif>
>>

/** How to translate $tokenLabel */
tokenLabelRef(label) ::= "$<label>"

/** ids+=ID {$ids} or e+=expr {$e} */
listLabelRef(label) ::= "list_<label>"

// not sure the next are the right approach

tokenLabelPropertyRef_text(scope,attr) ::= "$<scope>->get_text()"
tokenLabelPropertyRef_type(scope,attr) ::= "<scope>.getType()"
tokenLabelPropertyRef_line(scope,attr) ::= "<scope>.getLine()"
tokenLabelPropertyRef_pos(scope,attr) ::= "<scope>.getCharPositionInLine()"
tokenLabelPropertyRef_channel(scope,attr) ::= "<scope>.getChannel()"
tokenLabelPropertyRef_index(scope,attr) ::= "<scope>.getTokenIndex()"
tokenLabelPropertyRef_tree(scope,attr) ::= "<scope>_tree"

ruleLabelPropertyRef_start(scope,attr) ::= "((<labelType>)<scope>.start)"
ruleLabelPropertyRef_stop(scope,attr) ::= "((<labelType>)<scope>.stop)"
ruleLabelPropertyRef_tree(scope,attr) ::= "((<ASTLabelType>)<scope>.tree)"
ruleLabelPropertyRef_text(scope,attr) ::= <<
<if(TREE_PARSER)>
input.getTokenStream().toString(
input.getTreeAdaptor().getTokenStartIndex(<scope>.start),
input.getTreeAdaptor().getTokenStopIndex(<scope>.start))
<else>
substr($self->input, $<scope>->start, $<scope>->stop)
<endif>
>>

ruleLabelPropertyRef_st(scope,attr) ::= "<scope>.st"

/** Isolated $RULE ref ok in lexer as it's a Token */
lexerRuleLabel(label) ::= "$<label>"

```

```

lexerRuleLabelPropertyRef_type(scope,attr) ::= "<scope>.getType()"
lexerRuleLabelPropertyRef_line(scope,attr) ::= "<scope>.getLine()"
lexerRuleLabelPropertyRef_pos(scope,attr) ::= "<scope>.getCharPositionInLine()"
lexerRuleLabelPropertyRef_channel(scope,attr) ::= "<scope>.getChannel()"
lexerRuleLabelPropertyRef_index(scope,attr) ::= "<scope>.getTokenIndex()"
lexerRuleLabelPropertyRef_text(scope,attr) ::= "<scope>.getText()"

```

```

// Somebody may ref $template or $tree or $stop within a rule:
rulePropertyRef_start(scope,attr) ::= "((<labelType>)retval.start)"
rulePropertyRef_stop(scope,attr) ::= "((<labelType>)retval.stop)"
rulePropertyRef_tree(scope,attr) ::= "((<ASTLabelType>)retval.tree)"
rulePropertyRef_text(scope,attr) ::= <<
<if(TREE_PARSER)>
input.getTokenStream().toString(
input.getTreeAdaptor().getTokenStartIndex(retval.start),
input.getTreeAdaptor().getTokenStopIndex(retval.start))
<else>
input.toString(retval.start,input.LT(-1))
<endif>
>>
rulePropertyRef_st(scope,attr) ::= "retval.st"

```

```

lexerRulePropertyRef_text(scope,attr) ::= "getText()"
lexerRulePropertyRef_type(scope,attr) ::= "$_type"
lexerRulePropertyRef_line(scope,attr) ::= "tokenStartLine"
lexerRulePropertyRef_pos(scope,attr) ::= "tokenStartCharPositionInLine"
lexerRulePropertyRef_index(scope,attr) ::= "-1" // undefined token index in lexer
lexerRulePropertyRef_channel(scope,attr) ::= "$_channel"
lexerRulePropertyRef_start(scope,attr) ::= "tokenStartCharIndex"
lexerRulePropertyRef_stop(scope,attr) ::= "(getCharIndex()-1)"
lexerRulePropertyRef_self(scope,attr) ::= "$self"

```

```

// setting $st and $tree is allowed in local rule. everything else
// is flagged as error
ruleSetPropertyRef_tree(scope,attr,expr) ::= "retval.tree =<expr>";
ruleSetPropertyRef_st(scope,attr,expr) ::= "retval.st =<expr>";

```

```

/** How to execute an action */
execAction(action) ::= <<
<if(backtracking)>
<if(actions.(actionScope).synpredgate)>
if (<actions.(actionScope).synpredgate>) {
<action>
}
<else>
if (backtracking==0) {
<action>

```

```

}
<endif>
<else>
<action>
<endif>
>>

// M I S C (properties, etc...)

bitset(name, words64) ::= <<
Readonly my $<name> => ANTLR::Runtime::BitSet->new({ words64 => [<words64:{'<it>'};separator=", ">]
});<\n>
>>

```

```
codeFileExtension() ::= ".pm"
```

```
true() ::= "1"
false() ::= "0"
```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/Perl5/Perl5.stg
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
[The "BSD license"]
```

```
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\*/

/\*\* Templates for building ASTs during tree parsing.

\*

\* Deal with many combinations. Dimensions are:

\* Auto build or rewrite

\* no label, label, list label (label/no-label handled together)

\* child, root

\* token, set, rule, wildcard

\*

\* Each combination has its own template except that label/no label

\* is combined into tokenRef, ruleRef, ...

\*/

/\*\* Add a variable to track last element matched \*/

ruleDeclarations() ::= <<

<super.ruleDeclarations()>

<if(!ruleDescriptor.isSynPred)>

<ASTLabelType> \_first\_0 = null;

<ASTLabelType> \_last = null;<\n>

<endif>

>>

/\*\* What to emit when there is no rewrite rule. For auto build

\* mode, does nothing.

\*/

noRewrite(rewriteBlockLevel=false, treeLevel=false) ::= <<

<if(!ruleDescriptor.isSynPred)>

<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) {<endif>

<if(rewriteMode)>

retval.tree = \_first\_0;

if ( adaptor.getParent(retval.tree)!=null && adaptor.isNil( adaptor.getParent(retval.tree) ) )

retval.tree = (<ASTLabelType>)adaptor.getParent(retval.tree);

<endif>

<if(backtracking)>}<endif>

<endif>

>>

/\*\* match ^(root children) in tree parser; override here to

\* add tree construction actions.

\*/

tree(root, actionsAfterRoot, children, nullableChildList,

enclosingTreeLevel, treeLevel) ::= <<

<if(!ruleDescriptor.isSynPred)>

\_last = (<ASTLabelType>)input.LT(1);

{

```

<ASTLabelType> _save_last_<treeLevel> = _last;
<ASTLabelType> _first_<treeLevel> = null;
<if(!rewriteMode)>
<ASTLabelType> root_<treeLevel> = (<ASTLabelType>)adaptor.nil();
<endif>
<root:element()>
<if(rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)<endif>
<if(root.el.rule)>
if (_first_<enclosingTreeLevel>==null) _first_<enclosingTreeLevel> =
(<ASTLabelType>)<root.el.label>.getTree();
<elseif(root.el.label)>
if (_first_<enclosingTreeLevel>==null) _first_<enclosingTreeLevel> = <root.el.label>;
<endif>
<endif>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if (input.LA(1)==Token.DOWN) {
 match(input, Token.DOWN, null); <checkRuleBacktrackFailure()>
 <children:element()>
 match(input, Token.UP, null); <checkRuleBacktrackFailure()>
}
<else>
match(input, Token.DOWN, null); <checkRuleBacktrackFailure()>
<children:element()>
match(input, Token.UP, null); <checkRuleBacktrackFailure()>
<endif>
<if(!rewriteMode)>
adaptor.addChild(root_<enclosingTreeLevel>, root_<treeLevel>);
<endif>
_last = _save_last_<treeLevel>;
}<\n>
<else>
<super.tree(...)>
<endif>
>>

// TOKEN AST STUFF

/** ID! and output=AST (same as plain tokenRef) 'cept add
 * setting of _last
 */
tokenRefBang(token,label,elementIndex,terminalOptions={ }) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.tokenRef(...)>
<else>
<super.tokenRefBang(...)>

```

```

<endif>
>>

/** ID auto construct */
tokenRef(token,label,elementIndex,terminalOptions={}) ::= <<
<if(!ruleDescriptor.isSynPred)>
 _last = (<ASTLabelType>)input.LT(1);
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
<label>_tree = new <terminalOptions.node>(<label>);
<else>
<label>_tree = (<ASTLabelType>)adaptor.dupNode(<label>);
<endif><\n>
adaptor.addChild(root_<treeLevel>, <label>_tree);
<if(backtracking)>}<endif>
<else> <! rewrite mode !>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)<endif>
if (_first_<treeLevel>==null) _first_<treeLevel> = <label>;
<endif>
<else>
<super.tokenRef(...)>
<endif>
>>

/** label+=TOKEN auto construct */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<if(!ruleDescriptor.isSynPred)>
<tokenRef(...)>
<listLabel(elem=label,...)>
<else>
<super.tokenRefAndListLabel(...)>
<endif>
>>

/** ^(ID ...) auto construct */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions={}) ::= <<
<if(!ruleDescriptor.isSynPred)>
 _last = (<ASTLabelType>)input.LT(1);
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
<label>_tree = new <terminalOptions.node>(<label>);
<else>
<label>_tree = (<ASTLabelType>)adaptor.dupNode(<label>);
<endif><\n>

```

```

root_<treeLevel> = (<ASTLabelType>)adaptor.becomeRoot(<label>_tree, root_<treeLevel>);
<if(backtracking)>}<endif>
<endif>
<else>
<super.tokenRefRuleRoot(...)>
<endif>
>>

/** Match ^(label+=TOKEN ...) auto construct */
tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<if(!ruleDescriptor.isSynPred)>
<tokenRefRuleRoot(...)>
<listLabel(elem=label,...)>
<else>
<super.tokenRefRuleRootAndListLabel(...)>
<endif>
>>

/** Match . wildcard and auto dup the node/subtree */
wildcard(token,label,elementIndex,terminalOptions={}) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.wildcard(...)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<label>_tree = (<ASTLabelType>)adaptor.dupTree(<label>);
adaptor.addChild(root_<treeLevel>, <label>_tree);
<if(backtracking)>}<endif>
<else> <! rewrite mode !>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)<endif>
if (_first_<treeLevel>==null) _first_<treeLevel> = <label>;
<endif>
<else>
<super.wildcard(...)>
<endif>
>>

// SET AST

matchSet(s,label,elementIndex,postmatchCode,terminalOptions={}) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.matchSet(postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
<label>_tree = new <terminalOptions.node>(<label>);
<else>

```

```

<label>_tree = (<ASTLabelType>)adaptor.dupNode(<label>);
<endif><\n>
adaptor.addChild(root_<treeLevel>, <label>_tree);
<if(backtracking)>\}<endif>
<endif>
}, ...
)>
<else>
<super.matchSet(...)>
<endif>
>>

matchRuleBlockSet(s,label,elementIndex,postmatchCode,treeLevel="0",terminalOptions={ }) ::= <<
<if(!ruleDescriptor.isSynPred)>
<matchSet(...)>
<noRewrite(...)> <! set return tree !>
<else>
<super.matchRuleBlockSet(...)>
<endif>
>>

matchSetBang(s,label,elementIndex,postmatchCode,terminalOptions={ }) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.matchSet(...)>
<else>
<super.matchSetBang(...)>
<endif>
>>

matchSetRuleRoot(s,label,elementIndex,debug,terminalOptions={ }) ::= <<
<if(!ruleDescriptor.isSynPred)>
<super.matchSet(postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
<label>_tree = new <terminalOptions.node>(<label>);
<else>
<label>_tree = (<ASTLabelType>)adaptor.dupNode(<label>);
<endif><\n>
root_<treeLevel> = (<ASTLabelType>)adaptor.becomeRoot(<label>_tree, root_<treeLevel>);
<if(backtracking)>\}<endif>
<endif>
}, ...
)>
<else>
<super.matchSetRuleRoot(...)>
<endif>

```



>>

// RULE REF AST

/\*\* rule auto construct \*/

```
ruleRef(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
 _last = (<ASTLabelType>)input.LT(1);
 <super.ruleRef(...)>
 <if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>
 <if(!rewriteMode)>
 adaptor.addChild(root_<treeLevel>, <label>.getTree());
 <else> <! rewrite mode !>
 if (_first_<treeLevel>==null) _first_<treeLevel> = (<ASTLabelType>)<label>.getTree();
 <endif>
 <else>
 <super.ruleRef(...)>
 <endif>
>>
```

/\*\* x+=rule auto construct \*/

```
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
 <ruleRef(...)>
 <listLabel(label, {<label>.getTree()})>
 <else>
 <super.ruleRefAndListLabel(...)>
 <endif>
>>
```

/\*\* ^(rule ...) auto construct \*/

```
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
 _last = (<ASTLabelType>)input.LT(1);
 <super.ruleRef(...)>
 <if(!rewriteMode)>
 <if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>root_<treeLevel> =
 (<ASTLabelType>)adaptor.becomeRoot(<label>.getTree(), root_<treeLevel>);
 <endif>
 <else>
 <super.ruleRefRuleRoot(...)>
 <endif>
>>
```

/\*\* ^(x+=rule ...) auto construct \*/

```
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
 <ruleRefRuleRoot(...)>
```

```

<listLabel(label, {<label>.getTree()})>
<else>
<super.ruleRefRuleRootAndListLabel(...)>
<endif>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRefTrack(...)>
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRefTrackAndListLabel(...)>
<else>
<super.ruleRefTrackAndListLabel(...)>
<endif>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRefRootTrack(...)>
<else>
<super.ruleRefRootTrack(...)>
<endif>
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRefRuleRootTrackAndListLabel(...)>
<else>
<super.ruleRefRuleRootTrackAndListLabel(...)>
<endif>
>>

/** Streams for token refs are tree nodes now; override to
 * change nextToken to nextNode.
 */
createRewriteNodeFromElement(token,args,terminalOptions={}) ::= <<
<if(terminalOptions.node)>
new <terminalOptions.node>(stream_<token>.nextNode())

```

```

<else>
stream_<token>.nextNode()
<endif>
>>

ruleCleanup() ::= <<
<super.ruleCleanup()>
<if(!ruleDescriptor.isSynPred)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<\n><endif>
retval.tree = (<ASTLabelType>)adaptor.rulePostProcessing(root_0);
<if(backtracking)>}<endif>
<endif>
<endif>
>>

```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/Java/ASTTreeParser.stg
```

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```

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```
*/
```

```

asTypeInitMap ::= [
 "int":"0",
 "uint":"0",
 "Number":"0.0",
 "Boolean":"false",
 default:"null" // anything other than an atomic type
]

/** The overall file structure of a recognizer; stores methods for rules
 * and cyclic DFAs plus support code.
 */
outputFile(LEXER,PARSER,TREE_PARSER, actionScope, actions,
 docComment, recognizer,
 name, tokens, tokenNames, rules, cyclicDFAs,
 bitsets, buildTemplate, buildAST, rewriteMode, profile,
 backtracking, synpreds, memoize, numRules,
 fileName, ANTLRVersion, generatedTimestamp, trace,
 scopes, superClass, literals) ::=
<<
// $ANTLR <ANTLRVersion> <fileName> <generatedTimestamp>
package<if(actions.(actionScope).package)> <actions.(actionScope).package><endif> {
 <actions.(actionScope).header>
 <@imports>
import org.antlr.runtime.*;
<if(TREE_PARSER)>
 import org.antlr.runtime.tree.*;
<endif>
 <@end>

 <docComment>
 <recognizer>
}
>>

lexer(grammar, name, tokens, scopes, rules, numRules, filterMode, labelType="Token",
 superClass="Lexer") ::= <<
public class <grammar.recognizerName> extends
<if(actions.(actionScope).superClass)><actions.(actionScope).superClass><else><@superClassName><superClass>
<@end><endif> {
 <tokens:{it |public static const <it.name>:int=<it.type>;}; separator="\n">
 <scopes:{it |<if(it.isDynamicGlobalScope)><globalAttributeScope(it)><endif>}>
 <actions.lexer.members>

 // delegates
 <grammar.delegates:
 {g|public var <g.delegateName()>:<g.recognizerName>;}; separator="\n">
 // delegators

```

```

<grammar.delegators:
 { g|public var <g.delegateName():<g.recognizerName>;}; separator="\n">
<last(grammar.delegators):{ g|public var gParent:<g.recognizerName>;}>

 public function <grammar.recognizerName>(<grammar.delegators:{ g|<g.delegateName():<g.recognizerName>,
}>input:CharStream = null, state:RecognizerSharedState = null) {
 super(input, state);
 <cyclicDFAs:cyclicDFACTOR(>
<if(memoize)>
<if(grammar.grammarIsRoot)>
 this.state.ruleMemo = new Array(<numRules>+1);<n><! index from 1..n !>
<endif>
<endif>
 <grammar.directDelegates:
 { g|<g.delegateName()> = new <g.recognizerName>(<trunc(g.delegators):{ p|<p.delegateName()>, }>this,
input, this.state);}; separator="\n">
 <grammar.delegators:
 { g|this.<g.delegateName()> = <g.delegateName()>;}; separator="\n">
 <last(grammar.delegators):{ g|gParent = <g.delegateName()>;}>
 }
 public override function get grammarFileName():String { return "<fileName>"; }

<if(filterMode)>
 <filteringNextToken()>
<endif>
 <rules; separator="\n\n">

 <synpreds:{ p | <lexerSynpred(p)>}>

 <cyclicDFAs:cyclicDFA()> <! dump tables for all DFA !>

}
>>

/** A override of Lexer.nextToken() that backtracks over mTokens() looking
 * for matches. No error can be generated upon error; just rewind, consume
 * a token and then try again. backtracking needs to be set as well.
 * Make rule memoization happen only at levels above 1 as we start mTokens
 * at backtracking==1.
 */
filteringNextToken() ::= <<
public override function nextToken():Token {
 while (true) {
 if (input.LA(1)==CharStreamConstants.EOF) {
 return TokenConstants.EOF_TOKEN;
 }
 this.state.token = null;
 this.state.channel = TokenConstants.DEFAULT_CHANNEL;
 }
}

```

```

this.state.tokenStartCharIndex = input.index;
this.state.tokenStartCharPositionInLine = input.charPositionInLine;
this.state.tokenStartLine = input.line;
this.state.text = null;
try {
 var m:int = input.mark();
 this.state.backtracking=1; <! means we won't throw slow exception !>
 this.state.failed=false;
 mTokens();
 this.state.backtracking=0;
 <! mTokens backtracks with synpred at backtracking==2
 and we set the synpredgate to allow actions at level 1. !>
 if (this.state.failed) {
 input.rewindTo(m);
 input.consume(); <! advance one char and try again !>
 }
 else {
 emit();
 return this.state.token;
 }
}
catch (re:RecognitionException) {
 // shouldn't happen in backtracking mode, but...
 reportError(re);
 recover(re);
}
}
// Not reached - For ActionScript compiler
throw new Error();
}

public override function memoize(input:IntStream,
 ruleIndex:int,
 ruleStartIndex:int):void
{
 if (this.state.backtracking>1) super.memoize(input, ruleIndex, ruleStartIndex);
}

public override function alreadyParsedRule(input:IntStream, ruleIndex:int):Boolean {
 if (this.state.backtracking>1) return super.alreadyParsedRule(input, ruleIndex);
 return false;
}
}
>>

actionGate() ::= "this.state.backtracking==0"

filteringActionGate() ::= "this.state.backtracking==1"

```

```

/** How to generate a parser */
genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
 bitsets, inputStreamType, superClass,
 labelType, members, rewriteElementType,
 filterMode, ASTLabelType="Object") ::= <<
public class <grammar.recognizerName> extends
<if(actions.(actionScope).superClass)><actions.(actionScope).superClass><else><@superClassName><superClass>
<<@end><endif> {
<if(grammar.grammarIsRoot)>
 public static const tokenNames:Array = [
 "\<invalid>", "\<EOR>", "\<DOWN>", "\<UP>", <tokenNames; separator=", ">
];<\n>
<endif>
 <tokens:{it |public static const <it.name>:int=<it.type>;}; separator="\n">

 // delegates
 <grammar.delegates: {g|public var <g:delegateName():<g.recognizerName>;}; separator="\n">
 // delegators
 <grammar.delegators:
 {g|public var <g:delegateName():<g.recognizerName>;}; separator="\n">
 <last(grammar.delegators):{g|public var gParent:<g.recognizerName>;}>

 <scopes:{it |<if(it.isDynamicGlobalScope)><globalAttributeScope(it)><endif>}>
 <@members>
 <! WARNING. bug in ST: this is cut-n-paste into Dbg.stg !>
 public function <grammar.recognizerName>(<grammar.delegators:{g|<g:delegateName():<g.recognizerName>,
}>input:<inputStreamType>, state:RecognizerSharedState = null) {
 super(input, state);
 <cyclicDFAs:cyclicDFACtor>
 <parserCtorBody>
 <grammar.directDelegates:
 {g|<g:delegateName()> = new <g.recognizerName>(<trunc(g.delegators):{p|<p:delegateName()>, }>this,
input, this.state);}; separator="\n">
 <grammar.indirectDelegates:{g | <g:delegateName()> = <g.delegator:delegateName()>.<g:delegateName()>;};
separator="\n">
 <last(grammar.delegators):{g|gParent = <g:delegateName()>;}>
 }
 <@end>

 public override function get tokenNames():Array { return
<grammar.composite.rootGrammar.recognizerName>.tokenNames; }
 public override function get grammarFileName():String { return "<fileName>"; }

 <members>

 <rules; separator="\n\n">

 <! generate rule/method definitions for imported rules so they

```

```

 appear to be defined in this recognizer. !>
 // Delegated rules
 <grammar.delegatedRules:{ruleDescriptor|
 public function <ruleDescriptor.name>(<ruleDescriptor.parameterScope:parameterScope():<returnType()> {
 <if(ruleDescriptor.hasReturnValue)>return
 <endif><ruleDescriptor.grammar:delegateName()>.<ruleDescriptor.name>(<ruleDescriptor.parameterScope.attributes:
 {a|<a.name>; separator=", ">; \}); separator="\n">

 <synpreds:{p | <synpred(p)>>

 <cyclicDFAs:cyclicDFA()> <! dump tables for all DFA !>

 <bitsets:{it | <bitset(name={FOLLOW_<it.name>_in_<it.inName><it.tokenIndex>},
 words64=it.bits)>>
 }
 >>

 parserCtorBody() ::= <<
 <if(memoize)>
 <if(grammar.grammarIsRoot)>
 this.state.ruleMemo = new Array(<length(grammar.allImportedRules)>+1);<\n> <! index from 1..n !>
 <endif>
 <endif>
 <grammar.delegators:
 {g|this.<g:delegateName()> = <g:delegateName()>;}; separator="\n">
 >>

 parser(grammar, name, scopes, tokens, tokenNames, rules, numRules, bitsets, ASTLabelType="Object",
 superClass="Parser", labelType="Token", members={<actions.parser.members>}) ::= <<
 <genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
 bitsets, "TokenStream", superClass,
 labelType, members, "Token",
 false, ASTLabelType)>
 >>

 /** How to generate a tree parser; same as parser except the input
 * stream is a different type.
 */
 treeParser(grammar, name, scopes, tokens, tokenNames, globalAction, rules,
 numRules, bitsets, filterMode, labelType={<ASTLabelType>}, ASTLabelType="Object",
 superClass="TreeParser", members={<actions.treeparser.members>}) ::= <<
 <genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
 bitsets, "TreeNodeStream", superClass,
 labelType, members, "Node",
 filterMode, ASTLabelType)>
 >>

 /** A simpler version of a rule template that is specific to the imaginary

```



```

* rules created for syntactic predicates. As they never have return values
* nor parameters etc..., just give simplest possible method. Don't do
* any of the normal memoization stuff in here either; it's a waste.
* As predicates cannot be inlined into the invoking rule, they need to
* be in a rule by themselves.
*/
synpredRule(ruleName, ruleDescriptor, block, description, nakedBlock) ::=
<<
// $ANTLR start <ruleName>
public final function <ruleName>_fragment(<ruleDescriptor.parameterScope:parameterScope()>):void {
 <ruleLabelDefs()>
<if(trace)>
 traceIn("<ruleName>_fragment", <ruleDescriptor.index>);
 try {
 <block>
 }
 finally {
 traceOut("<ruleName>_fragment", <ruleDescriptor.index>);
 }
<else>
 <block>
<endif>
}
// $ANTLR end <ruleName>
>>

synpred(name) ::= <<
public final function <name>():Boolean {
 this.state.backtracking++;
 <@start()>
 var start:int = input.mark();
 try {
 <name>_fragment(); // can never throw exception
 } catch (re:RecognitionException) {
 trace("impossible: "+re);
 }
 var success:Boolean = !this.state.failed;
 input.rewindTo(start);
 <@stop()>
 this.state.backtracking--;
 this.state.failed=false;
 return success;
}<\n>
>>

lexerSynpred(name) ::= <<
<synpred(name)>
>>

```

```

ruleMemoization(name) ::= <<
<if(memoize)>
if (this.state.backtracking>0 && alreadyParsedRule(input, <ruleDescriptor.index>)) { return <ruleReturnValue()>;
}
<endif>
>>

/** How to test for failure and return from rule */
checkRuleBacktrackFailure() ::= <<
<if(backtracking)>if (this.state.failed) return <ruleReturnValue()>;<endif>
>>

/** This rule has failed, exit indicating failure during backtrack */
ruleBacktrackFailure() ::= <<
<if(backtracking)>if (this.state.backtracking>0) {this.state.failed=true; return <ruleReturnValue()>;}<endif>
>>

/** How to generate code for a rule. This includes any return type
* data aggregates required for multiple return values.
*/
rule(ruleName,ruleDescriptor,block,emptyRule,description,exceptions,finally,memoize) ::= <<
<ruleAttributeScope(scope=ruleDescriptor.ruleScope)>
// $ANTLR start <ruleName>
// <fileName>:<description>
public final function <ruleName>(<ruleDescriptor.parameterScope:parameterScope()>):<returnType()> {
<if(trace)>traceIn("<ruleName>", <ruleDescriptor.index>);<endif>
<ruleScopeSetUp()>
<ruleDeclarations()>
<ruleLabelDefs()>
<ruleDescriptor.actions.init>
<@preamble()>
try {
<ruleMemoization(name=ruleName)>
<block>
<ruleCleanUp()>
<(ruleDescriptor.actions.after):execAction()>
}
<if(exceptions)>
<exceptions:{e|<catch(decl=e.decl,action=e.action)><n>}>
<else>
<if(!emptyRule)>
<if(actions.(actionScope).rulecatch)>
<actions.(actionScope).rulecatch>
<else>
catch (re:RecognitionException) {
reportError(re);
recoverStream(input,re);

```

```

 <@setErrorReturnValue()>
 }<\n>
<endif>
<endif>
<endif>
 finally {
 <if(trace)>traceOut("<ruleName>", <ruleDescriptor.index>);<endif>
 <memoize()>
 <ruleScopeCleanUp()>
 <finally>
 }
 <@postamble()>
 return <ruleReturnValue()>;
}
// $ANTLR end <ruleName>
>>

catch(decl,action) ::= <<
catch (<e.decl>) {
 <e.action>
}
>>

ruleDeclarations() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
var retval:<returnType()> = new <returnType()>();
retval.start = input.LT(1);<\n>
<else>
<ruleDescriptor.returnScope.attributes: { a |
var <a.name>:<a.type> = <if(a.initValue)><a.initValue><else><initValue(a.type)><endif>;
}>
<endif>
<if(memoize)>
var <ruleDescriptor.name>_startIndex:int = input.index;
<endif>
>>

ruleScopeSetUp() ::= <<
<ruleDescriptor.useScopes: {it |<it>_stack.push(new Object());}; separator="\n">
<ruleDescriptor.ruleScope: {it |<it.name>_stack.push(new Object());}; separator="\n">
>>

ruleScopeCleanUp() ::= <<
<ruleDescriptor.useScopes: {it |<it>_stack.pop();}; separator="\n">
<ruleDescriptor.ruleScope: {it |<it.name>_stack.pop();}; separator="\n">
>>

ruleLabelDefs() ::= <<

```

```

<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels,
ruleDescriptor.wildcardTreeLabels,ruleDescriptor.wildcardTreeListLabels]
: {it | var <it.label.text>:<labelType>=null;}; separator="\n"
>
<[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels,ruleDescriptor.wildcardTreeListLabels]
: {it | var list_<it.label.text>:Array=null;}; separator="\n"
>
<ruleDescriptor.ruleLabels:ruleLabelDef(); separator="\n">
<ruleDescriptor.ruleListLabels:{ll|var <ll.label.text>:RuleReturnScope = null;}; separator="\n">
>>

```

```

lexerRuleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]
: {it | var <it.label.text>:<labelType>=null;}; separator="\n"
>
<ruleDescriptor.charLabels:{it | var <it.label.text>:int;}; separator="\n">
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels]
: {it | var list_<it.label.text>:Array=null;}; separator="\n"
>
>>

```

```

ruleReturnValue() ::= <%
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasReturnValue)>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnName>
<else>
retval
<endif>
<endif>
<endif>
%>

```

```

ruleCleanup() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!TREE_PARSER)>
retval.stop = input.LT(-1);<\n>
<endif>
<endif>
>>

```

```

memoize() ::= <<
<if(memoize)>
<if(backtracking)>
if (this.state.backtracking>0) { memoize(input, <ruleDescriptor.index>, <ruleDescriptor.name>_startIndex); }

```

```

<endif>
<endif>
>>

/** How to generate a rule in the lexer; naked blocks are used for
 * fragment rules.
 */
lexerRule(ruleName,nakedBlock,ruleDescriptor,block,memoize) ::= <<
// $ANTLR start <ruleName>
public final function m<ruleName>(<ruleDescriptor.parameterScope:parameterScope(>):void {
 <if(trace)>traceIn("<ruleName>", <ruleDescriptor.index>);<endif>
 <ruleScopeSetUp()>
 <ruleDeclarations()>
 try {
<if(nakedBlock)>
 <ruleMemoization(name=ruleName)>
 <lexerRuleLabelDefs()>
 <ruleDescriptor.actions.init>
 <block><\n>
 <else>
 var _type:int = <ruleName>;
 var _channel:int = DEFAULT_TOKEN_CHANNEL;
 <ruleMemoization(name=ruleName)>
 <lexerRuleLabelDefs()>
 <ruleDescriptor.actions.init>
 <block>
 <ruleCleanUp()>
 this.state.type = _type;
 this.state.channel = _channel;
 <(ruleDescriptor.actions.after):execAction()>
 <endif>
 }
 finally {
 <if(trace)>traceOut("<ruleName>", <ruleDescriptor.index>);<endif>
 <ruleScopeCleanUp()>
 <memoize()>
 }
}
// $ANTLR end <ruleName>
>>

```

```

/** How to generate code for the implicitly-defined lexer grammar rule
 * that chooses between lexer rules.
 */
tokensRule(ruleName,nakedBlock,args,block,ruleDescriptor) ::= <<
public override function mTokens():void {
 <block><\n>
}

```

>>

// S U B R U L E S

/\*\* A (...) subrule with multiple alternatives \*/

block(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<

// <fileName>:<description>

var alt<decisionNumber>:int=<maxAlt>;

<decls>

<@predecision()>

<decision>

<@postdecision()>

<@prebranch()>

switch (alt<decisionNumber>) {

<alts:{a | <altSwitchCase(i, a)>}>

}

<@postbranch()>

>>

/\*\* A rule block with multiple alternatives \*/

ruleBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<

// <fileName>:<description>

var alt<decisionNumber>:int=<maxAlt>;

<decls>

<@predecision()>

<decision>

<@postdecision()>

switch (alt<decisionNumber>) {

<alts:{a | <altSwitchCase(i, a)>}>

}

>>

ruleBlockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<

// <fileName>:<description>

<decls>

<@prealt()>

<alts>

<@postalt()>

>>

/\*\* A special case of a (...) subrule with a single alternative \*/

blockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<

// <fileName>:<description>

<decls>

<@prealt()>

<alts>

<@postalt()>

>>

```

/** A (..)+ block with 1 or more alternatives */
positiveClosureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
// <fileName>:<description>
var cnt<decisionNumber>:int=0;
<decls>
<@preloop()>
loop<decisionNumber>:
do {
 var alt<decisionNumber>:int=<maxAlt>;
 <@predecision()>
 <decision>
 <@postdecision()>
 switch (alt<decisionNumber>) {
 <alts:{a | <altSwitchCase(i, a)}>
 default :
 if (cnt<decisionNumber> >= 1) break loop<decisionNumber>;
 <ruleBacktrackFailure()>
 throw new EarlyExitException(<decisionNumber>, input);
 <! Need to add support for earlyExitException debug hook !>
 }
 cnt<decisionNumber>++;
} while (true);
<@postloop()>
>>

```

positiveClosureBlockSingleAlt ::= positiveClosureBlock

```

/** A (..)* block with 1 or more alternatives */
closureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::=
<<
// <fileName>:<description>
<decls>
<@preloop()>
loop<decisionNumber>:
do {
 var alt<decisionNumber>:int=<maxAlt>;
 <@predecision()>
 <decision>
 <@postdecision()>
 switch (alt<decisionNumber>) {
 <alts:{a | <altSwitchCase(i, a)}>
 default :
 break loop<decisionNumber>;
 }
} while (true);
<@postloop()>

```

```

>>

closureBlockSingleAlt ::= closureBlock

/** Optional blocks (x)? are translated to (x|) by before code generation
 * so we can just use the normal block template
 */
optionalBlock ::= block

optionalBlockSingleAlt ::= block

/** A case in a switch that jumps to an alternative given the alternative
 * number. A DFA predicts the alternative and then a simple switch
 * does the jump to the code that actually matches that alternative.
 */
altSwitchCase(altNum, alt) ::= <<
case <altNum> :
 <@prealt()>
 <alt>
 break;<\n>
>>

/** An alternative is just a list of elements; at outermost level */
alt(elements,altNum,description,autoAST,outerAlt,treeLevel,rew) ::= <<
// <fileName>:<description>
{
<@declarations()>
<elements:element()>
<rew>
<@cleanup()>
}
>>

/** What to emit when there is no rewrite. For auto build
 * mode, does nothing.
 */
noRewrite(rewriteBlockLevel, treeLevel) ::= ""

// E L E M E N T S

/** Dump the elements one per line */
element(e) ::= <<
<@prematch()>
<e.el><\n>
>>

/** match a token optionally with a label in front */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<

```



```

<if(label)><label>=<labelType><endif>matchStream(input,<token>,FOLLOW_<token>_in_<ruleName><element
Index><if(label)><endif>; <checkRuleBacktrackFailure()>
>>

/** ids+=ID */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(token,label,elementIndex,terminalOptions)>
<listLabel(label, label)>
>>

listLabel(label,elem) ::= <<
if (list_<label>==null) list_<label>=new Array();
list_<label>.push(<elem>);<\n>
>>

/** match a character */
charRef(char,label) ::= <<
<if(label)>
<label> = input.LA(1);<\n>
<endif>
match(<char>); <checkRuleBacktrackFailure()>
>>

/** match a character range */
charRangeRef(a,b,label) ::= <<
<if(label)>
<label> = input.LA(1);<\n>
<endif>
matchRange(<a>,); <checkRuleBacktrackFailure()>
>>

/** For now, sets are interval tests and must be tested inline */
matchSet(s,label,elementIndex,terminalOptions,postmatchCode="") ::= <<
<if(label)>
<if(LEXER)>
<label>= input.LA(1);<\n>
<else>
<label>=<labelType>(input.LT(1));<\n>
<endif>
<endif>
if (<s>) {
 input.consume();
 <postmatchCode>
<if(!LEXER)>
 this.state.errorRecovery=false;
<endif>
 <if(backtracking)>this.state.failed=false;<endif>
}

```

```

else {
 <ruleBacktrackFailure()>
 <@mismatchedSetException()>
<if(LEXER)>
 throw recover(new MismatchedSetException(null,input));<\n>
<else>
 throw new MismatchedSetException(null,input);
 <! use following code to make it recover inline; remove throw mse;
 recoverFromMismatchedSet(input,mse,FOLLOW_set_in_<ruleName><elementIndex>);
 !>
<endif>
}<\n>
>>

matchRuleBlockSet ::= matchSet

matchSetAndListLabel(s,label,elementIndex,postmatchCode) ::= <<
<matchSet(...)>
<listLabel(label, label)>
>>

/** Match a string literal */
lexerStringRef(string,label,elementIndex="0") ::= <<
<if(label)>
var <label>Start:int = charIndex;
matchString(<string>); <checkRuleBacktrackFailure()>
var <label>StartLine<elementIndex>:int = line;
var <label>StartCharPos<elementIndex>:int = charPositionInLine;
<label> = CommonToken.createFromStream(input, TokenConstants.INVALID_TOKEN_TYPE,
TokenConstants.DEFAULT_CHANNEL, <label>Start, charIndex-1);
<label>.line = <label>StartLine<elementIndex>;
<label>.charPositionInLine = <label>StartCharPos<elementIndex>;
<else>
matchString(<string>); <checkRuleBacktrackFailure()><\n>
<endif>
>>

wildcard(token,label,elementIndex,terminalOptions) ::= <<
<if(label)>
<label>=<labelType>(input.LT(1));<\n>
<endif>
matchAny(input); <checkRuleBacktrackFailure()>
>>

wildcardAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<wildcard(...)>
<listLabel(label, label)>
>>

```

```

/** Match . wildcard in lexer */
wildcardChar(label, elementIndex) ::= <<
<if(label)>
<label> = input.LA(1);<\n>
<endif>
matchAny(); <checkRuleBacktrackFailure()>
>>

wildcardCharListLabel(label, elementIndex) ::= <<
<wildcardChar(label, elementIndex)>
<listLabel(label, label)>
>>

/** Match a rule reference by invoking it possibly with arguments
 * and a return value or values. The 'rule' argument was the
 * target rule name, but now is type Rule, whose toString is
 * same: the rule name. Now though you can access full rule
 * descriptor stuff.
 *
 * GMS: Note: do not use post-decrement operator! ASC produces bad code for exceptions in this case.
 * See: https://bugs.adobe.com/jira/browse/ASC-3625
 */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
pushFollow(FOLLOW_<rule.name>_in_<ruleName><elementIndex>);
<if(label)><label>=<endif><if(scope)><scope.delegateName()>.<endif><rule.name>(<args; separator=", ">);<\n>
state._fsp = state._fsp - 1;
<checkRuleBacktrackFailure()>
>>

/** ids+=r */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(rule,label,elementIndex,args,scope)>
<listLabel(label, label)>
>>

/** A lexer rule reference.
 *
 * The 'rule' argument was the target rule name, but now
 * is type Rule, whose toString is same: the rule name.
 * Now though you can access full rule descriptor stuff.
 */
lexerRuleRef(rule,label,args,elementIndex,scope) ::= <<
<if(label)>
var <label>Start<elementIndex>:int = charIndex;
var <label>StartLine<elementIndex>:int = line;
var <label>StartCharPos<elementIndex>:int = charPositionInLine;

```

```

<if(scope)><scope:delegateName().<endif>m<rule.name>(<args; separator=", ">);
<checkRuleBacktrackFailure()>
<label> = CommonToken.createFromStream(input, TokenConstants.INVALID_TOKEN_TYPE,
TokenConstants.DEFAULT_CHANNEL, <label>Start<elementIndex>, charIndex-1);
<label>.line = <label>StartLine<elementIndex>;
<label>.charPositionInLine = <label>StartCharPos<elementIndex>;
<else>
<if(scope)><scope:delegateName().<endif>m<rule.name>(<args; separator=", ">);
<checkRuleBacktrackFailure()>
<endif>
>>

```

```

/** i+=INT in lexer */
lexerRuleRefAndListLabel(rule,label,args,elementIndex,scope) ::= <<
<lexerRuleRef(rule,label,args,elementIndex,scope)>
<listLabel(label, label)>
>>

```

```

/** EOF in the lexer */
lexerMatchEOF(label,elementIndex) ::= <<
<if(label)>
var <label>Start<elementIndex>:int = charIndex;
var <label>StartLine<elementIndex>:int = line;
var <label>StartCharPos<elementIndex>:int = charPositionInLine;
match(EOF); <checkRuleBacktrackFailure()>
var <label>:<labelType> = CommonToken.createFromStream(input, EOF,
TokenConstants.DEFAULT_CHANNEL, <label>Start<elementIndex>, charIndex-1);
<label>.line = <label>StartLine<elementIndex>;
<label>.charPositionInLine = <label>StartCharPos<elementIndex>;
<else>
match(EOF); <checkRuleBacktrackFailure()>
<endif>
>>

```

```

// used for left-recursive rules
recRuleDefArg() ::= "var <recRuleArg()>:int"
recRuleArg() ::= "_p"
recRuleAltPredicate(ruleName,opPrec) ::= "<recRuleArg()> \<= <opPrec>"
recRuleSetResultAction() ::= "root_0=$<ruleName>_primary.tree;"
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>;"

```

```

/** match ^(root children) in tree parser */
tree(root, actionsAfterRoot, children, nullableChildList,
enclosingTreeLevel, treeLevel) ::= <<
<root:element()>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if (input.LA(1)==TokenConstants.DOWN) {

```

```

 matchStream(input, TokenConstants.DOWN, null); <checkRuleBacktrackFailure()>
 <children:element()>
 matchStream(input, TokenConstants.UP, null); <checkRuleBacktrackFailure()>
}
<else>
matchStream(input, TokenConstants.DOWN, null); <checkRuleBacktrackFailure()>
<children:element()>
matchStream(input, TokenConstants.UP, null); <checkRuleBacktrackFailure()>
<endif>
>>

/** Every predicate is used as a validating predicate (even when it is
 * also hoisted into a prediction expression).
 */
validateSemanticPredicate(pred,description) ::= <<
if (!(<evalPredicate(pred,description)>)) {
 <ruleBacktrackFailure()>
 throw new FailedPredicateException(input, "<ruleName>", "<description>");
}
>>

// F i x e d D F A (if-then-else)

dfaState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
var LA<decisionNumber>_<stateNumber>:int = input.LA(<k>);<n>
<edges; separator="\nelse ">
else {
<if(eotPredictsAlt)>
 alt<decisionNumber>=<eotPredictsAlt>;
<else>
 <ruleBacktrackFailure()>
 throw new NoViableAltException("<description>", <decisionNumber>, <stateNumber>, input);<n>
 <! Need to add hook for noViableAltException() !>
<endif>
}
>>

/** Same as a normal DFA state except that we don't examine lookahead
 * for the bypass alternative. It delays error detection but this
 * is faster, smaller, and more what people expect. For (X)? people
 * expect "if (LA(1)==X) match(X);" and that's it.
 */
dfaOptionalBlockState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
var LA<decisionNumber>_<stateNumber>:int = input.LA(<k>);<n>
<edges; separator="\nelse ">
>>

/** A DFA state that is actually the loopback decision of a closure

```

```

* loop. If end-of-token (EOT) predicts any of the targets then it
* should act like a default clause (i.e., no error can be generated).
* This is used only in the lexer so that for ('a)* on the end of a rule
* anything other than 'a' predicts exiting.
*/
dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
var LA<decisionNumber>_<stateNumber>:int = input.LA(<k>);<\n>
<edges; separator="\nelse "><\n>
<if(eotPredictsAlt)>
<if(!edges)>
alt<decisionNumber>=<eotPredictsAlt>; <! if no edges, don't gen ELSE !>
<else>
else {
 alt<decisionNumber>=<eotPredictsAlt>;
}<\n>
<endif>
<endif>
>>

/** An accept state indicates a unique alternative has been predicted */
dfaAcceptState(alt) ::= "alt<decisionNumber>=<alt>";

/** A simple edge with an expression. If the expression is satisfied,
* enter to the target state. To handle gated productions, we may
* have to evaluate some predicates for this edge.
*/
dfaEdge(labelExpr, targetState, predicates) ::= <<
if ((<labelExpr>) <if(predicates)>&& (<predicates>)<endif>) {
 <targetState>
}
>>

// F i x e d D F A (switch case)

/** A DFA state where a SWITCH may be generated. The code generator
* decides if this is possible: CodeGenerator.canGenerateSwitch().
*/
dfaStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch (input.LA(<k>)) {
<edges; separator="\n">
default:
<if(eotPredictsAlt)>
 alt<decisionNumber>=<eotPredictsAlt>;
<else>
 <ruleBacktrackFailure()>
 throw new NoViableAltException("<description>", <decisionNumber>, <stateNumber>, input);<\n>
 <! Need to add hook for noViableAltException !>
<endif>

```

```

}<\n>
>>

dfaOptionalBlockStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch (input.LA(<k>)) {
 <edges; separator="\n">
}<\n>
>>

dfaLoopbackStateSwitch(k, edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch (input.LA(<k>)) {
<edges; separator="\n"><\n>
<if(eotPredictsAlt)>
default:
 alt<decisionNumber>=<eotPredictsAlt>;
 break;<\n>
<endif>
}<\n>
>>

dfaEdgeSwitch(labels, targetState) ::= <<
<labels: {it |case <it>:}; separator="\n">
{
 <targetState>
}
break;
>>

// C y c l i c D F A

/** The code to initiate execution of a cyclic DFA; this is used
 * in the rule to predict an alt just like the fixed DFA case.
 * The <name> attribute is inherited via the parser, lexer, ...
 */
dfaDecision(decisionNumber,description) ::= <<
alt<decisionNumber> = dfa<decisionNumber>.predict(input);
>>

cyclicDFActor(dfa) ::= <<

dfa<dfa.decisionNumber> = new DFA(this, <dfa.decisionNumber>,
 "<dfa.description>",
 DFA<dfa.decisionNumber>_eot, DFA<dfa.decisionNumber>_eof, DFA<dfa.decisionNumber>_min,
 DFA<dfa.decisionNumber>_max, DFA<dfa.decisionNumber>_accept, DFA<dfa.decisionNumber>_special,
 DFA<dfa.decisionNumber>_transition<if(dfa.specialStateSTs)>,
 DFA<dfa.decisionNumber>_specialStateTransition<endif>);

>>

```

```

/* Dump DFA tables as run-length-encoded Strings of octal values.
* Can't use hex as compiler translates them before compilation.
* These strings are split into multiple, concatenated strings.
* Java puts them back together at compile time thankfully.
* Java cannot handle large static arrays, so we're stuck with this
* encode/decode approach. See analysis and runtime DFA for
* the encoding methods.
*/
cyclicDFA(dfa) ::= <<

private const DFA<dfa.decisionNumber>_eot:Array =
 DFA.unpackEncodedString("<dfa.javaCompressedEOT; wrap=\"\"+\n \>");
private const DFA<dfa.decisionNumber>_eof:Array =
 DFA.unpackEncodedString("<dfa.javaCompressedEOF; wrap=\"\"+\n \>");
private const DFA<dfa.decisionNumber>_min:Array =
 DFA.unpackEncodedString("<dfa.javaCompressedMin; wrap=\"\"+\n \>", true);
private const DFA<dfa.decisionNumber>_max:Array =
 DFA.unpackEncodedString("<dfa.javaCompressedMax; wrap=\"\"+\n \>", true);
private const DFA<dfa.decisionNumber>_accept:Array =
 DFA.unpackEncodedString("<dfa.javaCompressedAccept; wrap=\"\"+\n \>");
private const DFA<dfa.decisionNumber>_special:Array =
 DFA.unpackEncodedString("<dfa.javaCompressedSpecial; wrap=\"\"+\n \>");
private const DFA<dfa.decisionNumber>_transition:Array = [
 <dfa.javaCompressedTransition: {s|DFA.unpackEncodedString("<s; wrap=\"\"+\n\>")}; separator=",\n">
];
<if(dfa.specialStateSTs)>
private function DFA<dfa.decisionNumber>_specialStateTransition(dfa:DFA, s:int, _input:InputStream):int {
 <if(LEXER)>
 var input:InputStream = _input;
 <endif>
 <if(PARSER)>
 var input:TokenStream = TokenStream(_input);
 <endif>
 <if(TREE_PARSER)>
 var input:TreeNodeStream = TreeNodeStream(_input);
 <endif>
 var _s:int = s;
 switch (s) {
 <dfa.specialStateSTs:{state |
 case <i0> : <! compressed special state numbers 0..n-1 !>
 <state>}; separator="\n">
 }
<if(backtracking)>
 if (this.state.backtracking>0) {this.state.failed=true; return -1;}<\n>
<endif>
 throw dfa.error(new NoViableAltException(dfa.description, <dfa.decisionNumber>, _s, input));
 }<\n>
<endif>

```



```

protected var dfa<dfa.decisionNumber>:DFA; // initialized in constructor

>>

/** A state in a cyclic DFA; it's a special state and part of a big switch on
 * state.
 */
cyclicDFAState(decisionNumber,stateNumber,edges,needErrorClause,semPredState) ::= <<
var LA<decisionNumber>_<stateNumber>:int = input.LA(1);<\n>
<if(semPredState)> <! get next lookahead symbol to test edges, then rewind !>
var index<decisionNumber>_<stateNumber>:int = input.index;
input.rewind();<\n>
<endif>
s = -1;
<edges; separator="\nelse ">
<if(semPredState)> <! return input cursor to state before we rewound !>
input.seek(index<decisionNumber>_<stateNumber>);<\n>
<endif>
if (s>=0) return s;
break;
>>

/** Just like a fixed DFA edge, test the lookahead and indicate what
 * state to jump to next if successful.
 */
cyclicDFAEdge(labelExpr, targetStateNumber, edgeNumber, predicates) ::= <<
if ((<labelExpr> <if(predicates)>&& (<predicates>)<endif>) { s = <targetStateNumber>;}<\n>
>>

/** An edge pointing at end-of-token; essentially matches any char;
 * always jump to the target.
 */
eotDFAEdge(targetStateNumber,edgeNumber, predicates) ::= <<
s = <targetStateNumber>;<\n>
>>

// D F A E X P R E S S I O N S

andPredicates(left,right) ::= "<left>&&<right>"

orPredicates(operands) ::= "<operands; separator=\\|\\>"

notPredicate(pred) ::= "!(<evalPredicate(pred,{}>)"

evalPredicate(pred,description) ::= "<pred>"

```

```

evalSynPredicate(pred,description) ::= "<pred>()"

lookaheadTest(atom,k,atomAsInt) ::= "LA<decisionNumber>_<stateNumber>===<atomAsInt>"

/** Sometimes a lookahead test cannot assume that LA(k) is in a temp variable
 * somewhere. Must ask for the lookahead directly.
 */
isolatedLookaheadTest(atom,k,atomAsInt) ::= "input.LA(<k>)==<atomAsInt>"

lookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= <%
(LA<decisionNumber>_<stateNumber> >= <lowerAsInt> && LA<decisionNumber>_<stateNumber> \<=
<upperAsInt>)
%>

isolatedLookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= "(input.LA(<k>) >=
<lowerAsInt> && input.LA(<k>) \<= <upperAsInt>)"

setTest(ranges) ::= <<
<ranges; separator="|">
>>

// A T T R I B U T E S

globalAttributeScope(scope) ::= <<
<if(scope.attributes)>
protected var <scope.name>_stack:Array = new Array();<\n>
<endif>
>>

ruleAttributeScope(scope) ::= <<
<if(scope.attributes)>
protected var <scope.name>_stack:Array = new Array();<\n>
<endif>
>>

returnStructName() ::= "<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope"

returnType() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<returnStructName()>
<else>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnType>
<else>
void
<endif>
<endif>
>>

```

```

/** Generate the Java type associated with a single or multiple return
 * values.
 */
ruleLabelType(referencedRule) ::= <<
<if(referencedRule.hasMultipleReturnValues)>
<returnStructName()>
<else>
<if(referencedRule.hasSingleReturnValue)>
<referencedRule.singleValueReturnType>
<else>
void
<endif>
<endif>
>>

delegateName(d) ::= <<
<if(d.label)><d.label><else>g<d.name><endif>
>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
<asTypeInitMap.(typeName)>
>>

/** Define a rule label including default value */
ruleLabelDef(label) ::= <<
var <label.label.text>:<ruleLabelType(referencedRule=label.referencedRule)> =
<initValue(typeName=ruleLabelType(referencedRule=label.referencedRule))>;<\n>
>>

/** Define a return struct for a rule if the code needs to access its
 * start/stop tokens, tree stuff, attributes, ... Leave a hole for
 * subgroups to stick in members.
 */
returnScope(scope) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
public static class <returnType()> extends <if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope {
 <scope.attributes:{it |public <it.decl>;}; separator="\n">
 <@ruleReturnMembers()>
};
<endif>
>>

parameterScope(scope) ::= <<
<scope.attributes:{it |<it.name>:<it.type>}; separator=" ">

```

>>

```
parameterAttributeRef(attr) ::= "<attr.name>"
parameterSetAttributeRef(attr,expr) ::= "<attr.name> =<expr>";
```

```
scopeAttributeRef(scope,attr,index,negIndex) ::= <<
<if(negIndex)>
<scope>_stack[<scope>_stack.length-<negIndex>-1].<attr.name>
<else>
<if(index)>
<scope>_stack[<index>].<attr.name>
<else>
<scope>_stack[<scope>_stack.length-1].<attr.name>
<endif>
<endif>
>>
```

```
scopeSetAttributeRef(scope,attr,expr,index,negIndex) ::= <<
<if(negIndex)>
<scope>_stack[<scope>_stack.length-<negIndex>-1].<attr.name> =<expr>;
<else>
<if(index)>
<scope>_stack[<index>].<attr.name> =<expr>;
<else>
<scope>_stack[<scope>_stack.length-1].<attr.name> =<expr>;
<endif>
<endif>
>>
```

```
/** $x is either global scope or x is rule with dynamic scope; refers
 * to stack itself not top of stack. This is useful for predicates
 * like {$function.size()>0 && $function::name.equals("foo")}?
 */
isolatedDynamicScopeRef(scope) ::= "<scope>_stack"
```

```
/** reference an attribute of rule; might only have single return value */
ruleLabelRef(referencedRule,scope,attr) ::= <<
<if(referencedRule.hasMultipleReturnValues)>
(<scope>!=null?<scope>.values.<attr.name>:<initValue(attr.type)>)
<else>
<scope>
<endif>
>>
```

```
returnAttributeRef(ruleDescriptor,attr) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.values.<attr.name>
<else>
```

```

<attr.name>
<endif>
>>

returnSetAttributeRef(ruleDescriptor,attr,expr) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.values.<attr.name> =<expr>;
<else>
<attr.name> =<expr>;
<endif>
>>

/** How to translate $tokenLabel */
tokenLabelRef(label) ::= "<label>"

/** ids+=ID {$ids} or e+=expr {$e} */
listLabelRef(label) ::= "list_<label>"

// not sure the next are the right approach

tokenLabelPropertyRef_text(scope,attr) ::= "(<scope>!=null?<scope>.text:null)"
tokenLabelPropertyRef_type(scope,attr) ::= "(<scope>!=null?<scope>.type:0)"
tokenLabelPropertyRef_line(scope,attr) ::= "(<scope>!=null?<scope>.line:0)"
tokenLabelPropertyRef_pos(scope,attr) ::= "(<scope>!=null?<scope>.charPositionInLine:0)"
tokenLabelPropertyRef_channel(scope,attr) ::= "(<scope>!=null?<scope>.channel:0)"
tokenLabelPropertyRef_index(scope,attr) ::= "(<scope>!=null?<scope>.tokenIndex:0)"
tokenLabelPropertyRef_tree(scope,attr) ::= "<scope>_tree"
tokenLabelPropertyRef_int(scope,attr) ::= "(<scope>!=null?int(<scope>.text):0)"

ruleLabelPropertyRef_start(scope,attr) ::= "(<scope>!=null?<labelType>(<scope>.start):null)"
ruleLabelPropertyRef_stop(scope,attr) ::= "(<scope>!=null?<labelType>(<scope>.stop):null)"
ruleLabelPropertyRef_tree(scope,attr) ::= "(<scope>!=null?<ASTLabelType>(<scope>.tree):null)"
ruleLabelPropertyRef_text(scope,attr) ::= <<
<if(TREE_PARSER)>
(<scope>!=null?(input.tokenStream.toStringWithRange(
input.treeAdaptor.getTokenStartIndex(<scope>.start),
input.treeAdaptor.getTokenStopIndex(<scope>.start))):null)
<else>
(<scope>!=null?input.toStringWithTokenRange(<scope>.start,<scope>.stop):null)
<endif>
>>

ruleLabelPropertyRef_st(scope,attr) ::= "(<scope>!=null?<scope>.st:null)"

/** Isolated $RULE ref ok in lexer as it's a Token */
lexerRuleLabel(label) ::= "<label>"

```

```

lexerRuleLabelPropertyRef_type(scope,attr) ::=
 "<scope>!=null?<scope>.type:0)"
lexerRuleLabelPropertyRef_line(scope,attr) ::=
 "<scope>!=null?<scope>.lien:0)"
lexerRuleLabelPropertyRef_pos(scope,attr) ::=
 "<scope>!=null?<scope>.charPositionInLine:0)"
lexerRuleLabelPropertyRef_channel(scope,attr) ::=
 "<scope>!=null?<scope>.channel:0)"
lexerRuleLabelPropertyRef_index(scope,attr) ::=
 "<scope>!=null?<scope>.tokenIndex:0)"
lexerRuleLabelPropertyRef_text(scope,attr) ::=
 "<scope>!=null?<scope>.text:null)"
lexerRuleLabelPropertyRef_int(scope,attr) ::=
 "<scope>!=null?int(<scope>.text):0)"

// Somebody may ref $template or $tree or $stop within a rule:
rulePropertyRef_start(scope,attr) ::= "<labelType>(retval.start)"
rulePropertyRef_stop(scope,attr) ::= "<labelType>(retval.stop)"
rulePropertyRef_tree(scope,attr) ::= "<ASTLabelType>(retval.tree)"
rulePropertyRef_text(scope,attr) ::= <<
<if(TREE_PARSER)>
input.tokenStream.toStringWithRange(
 input.treeAdaptor.getTokenStartIndex(retval.start),
 input.treeAdaptor.getTokenStopIndex(retval.start))
<else>
input.toStringWithTokenRange(retval.start,input.LT(-1))
<endif>
>>
rulePropertyRef_st(scope,attr) ::= "retval.st"

lexerRulePropertyRef_text(scope,attr) ::= "text"
lexerRulePropertyRef_type(scope,attr) ::= "_type"
lexerRulePropertyRef_line(scope,attr) ::= "state.tokenStartLine"
lexerRulePropertyRef_pos(scope,attr) ::= "state.tokenStartCharPositionInLine"
lexerRulePropertyRef_index(scope,attr) ::= "-1" // undefined token index in lexer
lexerRulePropertyRef_channel(scope,attr) ::= "_channel"
lexerRulePropertyRef_start(scope,attr) ::= "state.tokenStartCharIndex"
lexerRulePropertyRef_stop(scope,attr) ::= "(charIndex-1)"
lexerRulePropertyRef_int(scope,attr) ::= "int(<scope>.text)"

// setting $st and $tree is allowed in local rule. everything else
// is flagged as error
ruleSetPropertyRef_tree(scope,attr,expr) ::= "retval.tree =<expr>;"
ruleSetPropertyRef_st(scope,attr,expr) ::= "retval.st =<expr>;"

/** How to execute an action (only when not backtracking) */
execAction(action) ::= <<
<if(backtracking)>

```

```

if (<actions.(actionScope).synpredgate>) {
 <action>
}
<else>
<action>
<endif>
>>

/** How to always execute an action even when backtracking */
execForcedAction(action) ::= "<action>"

// M I S C (properties, etc...)

bitset(name, words64) ::= <<
public static const <name>:BitSet = new BitSet([<words64:{it |<it>};separator=", ">]);<n>
>>

codeFileExtension() ::= ".as"

true_value() ::= "true"
false_value() ::= "false"

```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/ActionScript/ActionScript.stg
```

No license file was found, but licenses were detected in source scan.

/\*

[The "BSD license"]

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\*/

/\*\* The API version of the runtime that recognizers generated by this runtime

\* need.

\*/

apiVersion() ::= "1"

// System.Boolean.ToString() returns "True" and "False", but the proper C# literals are "true" and "false"

// The Java version of Boolean returns "true" and "false", so they map to themselves here.

booleanLiteral ::= [

    "True":"true",

    "False":"false",

    "true":"true",

    "false":"false",

    default:"false"

]

/\*\* The overall file structure of a recognizer; stores methods for rules

\* and cyclic DFAs plus support code.

\*/

outputFile(LEXER,PARSER,TREE\_PARSER, actionScope, actions,

    docComment, recognizer,

    name, tokens, tokenNames, rules, cyclicDFAs,

    bitsets, buildTemplate, buildAST, rewriteMode, profile,

    backtracking, synpreds, memoize, numRules,

    fileName, ANTLRVersion, generatedTimestamp, trace,

    scopes, superClass, literals) ::=

<<

# \$ANTLR <ANTLRVersion> <fileName> <generatedTimestamp>

<@imports>

import sys

from antlr3 import \*

<if(TREE\_PARSER)>

from antlr3.tree import \*<\n>

<endif>

from antlr3.compat import set, frozenset

<@end>

<actions.(actionScope).header>

<! <docComment> !>



```

for convenience in actions
HIDDEN = BaseRecognizer.HIDDEN

token types
<tokens:{it | <it.name>=<it.type>}; separator="\n">

<recognizer>

<if(actions.(actionScope).main)>
<actions.(actionScope).main>
<else>
def main(argv, stdin=sys.stdin, stdout=sys.stdout, stderr=sys.stderr):
<if(LEXER)>
 from antlr3.main import LexerMain
 main = LexerMain(<recognizer.name>)<\n>
<endif>
<if(PARSER)>
 from antlr3.main import ParserMain
 main = ParserMain("<recognizer.grammar.name>Lexer", <recognizer.name>)<\n>
<endif>
<if(TREE_PARSER)>
 from antlr3.main import WalkerMain
 main = WalkerMain(<recognizer.name>)<\n>
<endif>
 main.stdin = stdin
 main.stdout = stdout
 main.stderr = stderr
 main.execute(argv)<\n>
<endif>

<actions.(actionScope).footer>

if __name__ == '__main__':
 main(sys.argv)

>>

lexer(grammar, name, tokens, scopes, rules, numRules, filterMode,
 labelType="CommonToken", superClass="Lexer") ::= <<
<grammar.directDelegates:
{g|from <g.recognizerName> import <g.recognizerName>}; separator="\n">

class <grammar.recognizerName>(<@superClassName><superClass><@end>):
 <scopes:{it|<if(it.isDynamicGlobalScope)><globalAttributeScope(scope=it)><endif>}>

 grammarFileName = "<fileName>"
 api_version = <apiVersion()>

```

```

def __init__(self<grammar.delegators:{g|,<g:delegateName(>>}, input=None, state=None):
 if state is None:
 state = RecognizerSharedState()
 super(<grammar.recognizerName>, self).__init__(input, state)

<if(memoize)>
<if(grammar.grammarIsRoot)>
 self._state.ruleMemo = {}
<endif>
<endif>

 <grammar.directDelegates:
 {g|self.<g:delegateName(> = <g.recognizerName>(<trunc(g.delegators):{p|<p:delegateName(>, }>self, input,
state)); separator="\n">
 <grammar.directDelegates:
 {g|<g.delegates:{h|self.<h:delegateName(> = self.<g:delegateName(>.<h:delegateName(>};
separator="\n">}; separator="\n">
 <grammar.delegators:
 {g|self.<g:delegateName(> = <g:delegateName(>}; separator="\n">
 <last(grammar.delegators):
 {g|self.gParent = <g:delegateName(>}; separator="\n">
 self.delegates = [<grammar.delegates: {g|self.<g:delegateName(>}; separator = ", ">]

 <cyclicDFAs:{dfa | <cyclicDFAInit(dfa)>}; separator="\n">

 <actions.lexer.init>

 <actions.lexer.members>

<if(filterMode)>
 <filteringNextToken(>
<endif>
 <rules; separator="\n\n">

 <synpreds:{p | <lexerSynpred(p)>}>

 <cyclicDFAs:cyclicDFA(> <! dump tables for all DFA !>

>>

/** A override of Lexer.nextToken() that backtracks over mTokens() looking
* for matches. No error can be generated upon error; just rewind, consume
* a token and then try again. backtracking needs to be set as well.
* Make rule memoization happen only at levels above 1 as we start mTokens
* at backtracking==1.

```

```

*/
filteringNextToken() ::= <<
def nextToken(self):
 while True:
 if self.input.LA(1) == EOF:
 return self.makeEOFToken()

 self._state.token = None
 self._state.channel = DEFAULT_CHANNEL
 self._state.tokenStartCharIndex = self.input.index()
 self._state.tokenStartCharPositionInLine = self.input.charPositionInLine
 self._state.tokenStartLine = self.input.line
 self._state._text = None
 try:
 m = self.input.mark()
 try:
 # means we won't throw slow exception
 self._state.backtracking = 1
 try:
 self.mTokens()
 finally:
 self._state.backtracking = 0

 except BacktrackingFailed:
 # mTokens backtracks with synpred at backtracking==2
 # and we set the synpredgate to allow actions at level 1.
 self.input.rewind(m)
 self.input.consume() # advance one char and try again

 else:
 self.emit()
 return self._state.token

 except RecognitionException, re:
 # shouldn't happen in backtracking mode, but...
 self.reportError(re)
 self.recover(re)

def memoize(self, input, ruleIndex, ruleStartIndex, success):
 if self._state.backtracking > 1:
 # is Lexer always superclass?
 super(<grammar.recognizerName>, self).memoize(input, ruleIndex, ruleStartIndex, success)

def alreadyParsedRule(self, input, ruleIndex):
 if self._state.backtracking > 1:
 return super(<grammar.recognizerName>, self).alreadyParsedRule(input, ruleIndex)

```

```

return False

>>

actionGate() ::= "self._state.backtracking == 0"

filteringActionGate() ::= "self._state.backtracking == 1"

/** How to generate a parser */

genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
 bitsets, inputStreamType, superClass, labelType, members,
 rewriteElementType, filterMode, init, ASTLabelType="Object") ::= <<
<if(grammar.grammarIsRoot)>
token names
tokenNames = [
 "\<invalid>", "\<EOR>", "\<DOWN>", "\<UP>",
 <tokenNames; wrap, separator=", ">
]<\n>
<else>
from <grammar.composite.rootGrammar.recognizerName> import tokenNames<\n>
<endif>
<scopes:{it|<if(it.isDynamicGlobalScope)><globalAttributeScopeClass(scope=it)><endif>}>

<grammar.directDelegates:
{g|from <g.recognizerName> import <g.recognizerName>; separator="\n">

<rules:{it|<ruleAttributeScopeClass(scope=it.ruleDescriptor.ruleScope)>}>

class <grammar.recognizerName>(<@superClassName><superClass><@end>):
 grammarFileName = "<fileName>"
 api_version = <apiVersion()>
 tokenNames = tokenNames

 def __init__(self<grammar.delegators:{g|, <g:delegateName()>}>, input, state=None, *args, **kwargs):
 if state is None:
 state = RecognizerSharedState()

 <@args()>
 super(<grammar.recognizerName>, self).__init__(input, state, *args, **kwargs)

<if(memoize)>
<if(grammar.grammarIsRoot)>
 self._state.ruleMemo = {}
<endif>
<endif>

```

```

<cyclicDFAs:{ dfa | <cyclicDFAInit(dfa)>}; separator="\n">

<scopes:{ it | <if(it.isDynamicGlobalScope)><globalAttributeScopeStack(scope=it)><endif> }>
<rules:{ it | <ruleAttributeScopeStack(scope=it.ruleDescriptor.ruleScope)> }>

<init>

<grammar.delegators:
 {g|self.<g:delegateName()> = <g:delegateName()>}; separator="\n">
<grammar.directDelegates:
 {g|self.<g:delegateName()> = <g.recognizerName>(<trunc(g.delegators):{p|<p:delegateName()>, }>self, input,
state)); separator="\n">
 <grammar.directDelegates:
 {g|<g.delegates:{h|self.<h:delegateName()> = self.<g:delegateName()>.<h:delegateName()>};
separator="\n">}; separator="\n">
 <last(grammar.delegators):
 {g|self.gParent = self.<g:delegateName()>}; separator="\n">
 self.delegates = [<grammar.delegates: {g|self.<g:delegateName()>}; separator = ", ">]

<@init><@end>

<@members><@end>

<members>

<rules; separator="\n\n">

<! generate rule/method definitions for imported rules so they
 appear to be defined in this recognizer. !>
<grammar.delegatedRules:{ ruleDescriptor| <delegateRule(ruleDescriptor)> }; separator="\n">

<synpreds:{ p | <synpred(p)> }>

<cyclicDFAs:cyclicDFA()> <! dump tables for all DFA !>

<bitsets:{ it | FOLLOW_<it.name>_in_<it.inName><it.tokenIndex> = frozenset([<it.tokenTypes:{ it |
<it>};separator=", ">])<n> }>

>>

delegateRule(ruleDescriptor) ::= <<
def <ruleDescriptor.name>(self, <ruleDescriptor.parameterScope:parameterScope()>):
<\> <if(ruleDescriptor.hasReturnValue)>return
<endif>self.<ruleDescriptor.grammar:delegateName()>.<ruleDescriptor.name>(<if(ruleDescriptor.parameterScope)
><ruleDescriptor.parameterScope.attributes:{a|<a.name>}; separator=", "><endif>)

```

```

>>

parser(grammar, name, scopes, tokens, tokenNames, rules, numRules, bitsets,
 ASTLabelType="Object", superClass="Parser", labelType="Token",
 members={<actions.parser.members>},
 init={<actions.parser.init>}
) ::= <<
<genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
 bitsets, "TokenStream", superClass,
 labelType, members, "Token",
 false, init, ASTLabelType)>
>>

/** How to generate a tree parser; same as parser except the input
 * stream is a different type.
 */
treeParser(grammar, name, scopes, tokens, tokenNames, globalAction, rules,
 numRules, bitsets, filterMode, labelType={<ASTLabelType>}, ASTLabelType="Object",
 superClass={<if(filterMode)><if(buildAST)>TreeRewriter<else>TreeFilter<endif><else>TreeParser<endif>},
 members={<actions.treeparser.members>},
 init={<actions.treeparser.init>}
) ::= <<
<genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
 bitsets, "TreeNodeStream", superClass,
 labelType, members, "Node",
 filterMode, init, ASTLabelType)>
>>

/** A simpler version of a rule template that is specific to the imaginary
 * rules created for syntactic predicates. As they never have return values
 * nor parameters etc..., just give simplest possible method. Don't do
 * any of the normal memoization stuff in here either; it's a waste.
 * As predicates cannot be inlined into the invoking rule, they need to
 * be in a rule by themselves.
 */
synpredRule(ruleName, ruleDescriptor, block, description, nakedBlock) ::=
<<
$ANTLR start "<ruleName>"
def <ruleName>_fragment(self, <ruleDescriptor.parameterScope:parameterScope()):
 <ruleLabelDefs()>
<if(trace)>
 self.traceIn("<ruleName>_fragment", <ruleDescriptor.index>)
 try:
 <block>

 finally:
 self.traceOut("<ruleName>_fragment", <ruleDescriptor.index>)

```

```
<else>
 <block>
<endif>
$ANTLR end "<ruleName>"
```

```
>>
```

```
synpred(name) ::= <<
def <name>(self):
 self._state.backtracking += 1
 <@start()>
 start = self.input.mark()
 try:
 self.<name>_fragment()
 except BacktrackingFailed:
 success = False
 else:
 success = True
 self.input.rewind(start)
 <@stop()>
 self._state.backtracking -= 1
 return success
```

```
>>
```

```
lexerSynpred(name) ::= <<
<synpred(name)>
>>
```

```
ruleMemoization(name) ::= <<
<if(memoize)>
if self._state.backtracking > 0 and self.alreadyParsedRule(self.input, <ruleDescriptor.index>):
 # for cached failed rules, alreadyParsedRule will raise an exception
 success = True
 return <ruleReturnValue()>
```

```
<endif>
```

```
>>
```

```
/** This rule has failed, exit indicating failure during backtrack */
```

```
ruleBacktrackFailure() ::= <<
<if(backtracking)>
if self._state.backtracking > 0:
 raise BacktrackingFailed
```

```
<endif>
```

```
>>
```

```
/** How to generate code for a rule. This includes any return type
```

```
* data aggregates required for multiple return values.
```

```
*/
```

```
rule(ruleName,ruleDescriptor,block,emptyRule,description,exceptions,finally,memoize) ::= <<
```

```
<returnScope(scope=ruleDescriptor.returnScope)>
```

```
$ANTLR start "<ruleName>"
```

```
<fileName>:<description>
```

```
<ruleDescriptor.actions.decorate>
```

```
def <ruleName>(self, <ruleDescriptor.parameterScope:parameterScope()):
```

```
<if(trace)>
```

```
 self.traceIn("<ruleName>", <ruleDescriptor.index>)<\n>
```

```
<endif>
```

```
 <ruleScopeSetUp()>
```

```
 <ruleDeclarations()>
```

```
 <ruleLabelDefs()>
```

```
 <ruleDescriptor.actions.init>
```

```
 <@preamble()>
```

```
 <@body><ruleBody()><@end>
```

```
 <@postamble()>
```

```
 return <ruleReturnValue()>
```

```
$ANTLR end "<ruleName>"
```

```
>>
```

```
ruleBody() ::= <<
```

```
<if(memoize)>
```

```
<if(backtracking)>
```

```
success = False<\n>
```

```
<endif>
```

```
<endif>
```

```
try:
```

```
 try:
```

```
 <ruleMemoization(name=ruleName)>
```

```
 <block>
```

```
 <ruleCleanUp()>
```

```
 <(ruleDescriptor.actions.after):execAction()>
```

```
<if(memoize)>
```

```
<if(backtracking)>
```

```
 success = True<\n>
```

```
<endif>
```

```
<endif>
```

```
<if(exceptions)>
```

```
 <exceptions:{e|catch(decl=e.decl,action=e.action)><\n>}>
```

```
<else>
```



```

<if(!emptyRule)>
<if(actions.(actionScope).rulecatch)>
 <actions.(actionScope).rulecatch>
<else>
 except RecognitionException, re:
 self.reportError(re)
 self.recover(self.input, re)
 <@setErrorReturnValue()>

<endif>
<else>
 finally:
 pass

<endif>
<endif>
finally:
<if(trace)>
 self.traceOut("<ruleName>", <ruleDescriptor.index>)<\n>
<endif>
 <memoize()>
 <ruleScopeCleanUp()>
 <finally>
 pass
>>

catch(decl,action) ::= <<
except <e.decl>:
 <e.action>

>>

ruleDeclarations() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
retval = self.<ruleDescriptor.name>_return()
retval.start = self.input.LT(1)<\n>
<elseif(ruleDescriptor.returnScope)>
<ruleDescriptor.returnScope.attributes: { a |
<a.name> = <if(a.initValue)><a.initValue><else>None<endif>
}>
<endif>
<if(memoize)>
<ruleDescriptor.name>_startIndex = self.input.index()
<endif>
>>

ruleScopeSetUp() ::= <<
<ruleDescriptor.useScopes: {it | self.<it>_stack.append(<it>_scope())}; separator="\n">

```

```

<ruleDescriptor.ruleScope:{it | self.<it.name>_stack.append(<it.name>_scope()); separator="\n">
>>

ruleScopeCleanUp() ::= <<
<ruleDescriptor.useScopes:{it | self.<it>_stack.pop()}; separator="\n">
<ruleDescriptor.ruleScope:{it | self.<it.name>_stack.pop()}; separator="\n">
>>

ruleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels,
ruleDescriptor.wildcardTreeLabels,ruleDescriptor.wildcardTreeListLabels]
: {it | <it.label.text> = None }; separator="\n"
>
<[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels,
ruleDescriptor.wildcardTreeListLabels]
: {it | list_<it.label.text> = None }; separator="\n"
>
<ruleDescriptor.ruleLabels:ruleLabelDef(); separator="\n">
<ruleDescriptor.ruleListLabels:{it | <it.label.text> = None }; separator="\n">
>>

lexerRuleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]
: {it | <it.label.text> = None }; separator="\n"
>
<ruleDescriptor.charLabels:{it | <it.label.text> = None }; separator="\n">
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels]
: {it | list_<it.label.text> = None }; separator="\n"
>
>>

ruleReturnValue() ::= <%
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasReturnValue)>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnName>
<else>
retval
<endif>
<endif>
<endif>
<endif>
%>

ruleCleanUp() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>

```

```

<if(!TREE_PARSER)>
retval.stop = self.input.LT(-1)<\n>
<endif>
<endif>
>>

memoize() ::= <<
<if(memoize)>
<if(backtracking)>
if self._state.backtracking > 0:
 self.memoize(self.input, <ruleDescriptor.index>, <ruleDescriptor.name>_startIndex, success)

<endif>
<endif>
>>

/** How to generate a rule in the lexer; naked blocks are used for
 * fragment rules.
 */
lexerRule(ruleName,nakedBlock,ruleDescriptor,block,memoize) ::= <<
$ANTLR start "<ruleName>"
def m<ruleName>(self, <ruleDescriptor.parameterScope:parameterScope()>):
<if(trace)>
 self.traceIn("<ruleName>", <ruleDescriptor.index>)<\n>
<endif>
 <ruleScopeSetUp()>
 <ruleDeclarations()>
<if(memoize)>
<if(backtracking)>
 success = False<\n>
<endif>
<endif>
 try:
<if(nakedBlock)>
 <ruleMemoization(name=ruleName)>
 <lexerRuleLabelDefs()>
 <ruleDescriptor.actions.init>
 <block><\n>
<else>
 _type = <ruleName>
 _channel = DEFAULT_CHANNEL

 <ruleMemoization(name=ruleName)>
 <lexerRuleLabelDefs()>
 <ruleDescriptor.actions.init>
 <block>
 <ruleCleanUp()>
 self._state.type = _type

```

```

 self._state.channel = _channel
 <(ruleDescriptor.actions.after):execAction(>
<endif>
<if(memoize)>
<if(backtracking)>
 success = True<\n>
<endif>
<endif>

 finally:
<if(trace)>
 self.traceOut("<ruleName>", <ruleDescriptor.index>)<\n>
<endif>
<ruleScopeCleanUp(>
 <memoize(>
 pass

$ANTLR end "<ruleName>"

>>

/** How to generate code for the implicitly-defined lexer grammar rule
 * that chooses between lexer rules.
 */
tokensRule(ruleName,nakedBlock,args,block,ruleDescriptor) ::= <<
def mTokens(self):
 <block><\n>

>>

// S U B R U L E S

/** A (...) subrule with multiple alternatives */
block(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
<fileName>:<description>
alt<decisionNumber> = <maxAlt>
<decls>
<@body><blockBody()><@end>
>>

blockBody() ::= <<
<@predecision()>
<@decision><decision><@end>
<@postdecision()>
<@prebranch()>
<alts:{ a | <altSwitchCase(i, a)> }; separator="\n" >

```

```

<@postbranch(>
>>

/** A rule block with multiple alternatives */
ruleBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
<fileName>:<description>
alt<decisionNumber> = <maxAlt>
<decls>
<@predecision(>
<@decision><decision><@end>
<@postdecision(>
<alts:{a | <altSwitchCase(i, a)>}; separator="\nel">
>>

ruleBlockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
<fileName>:<description>
<decls>
<@prealt(>
<alts>
<@postalt(>
>>

/** A special case of a (...) subrule with a single alternative */
blockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
<fileName>:<description>
<decls>
<@prealt(>
<alts>
<@postalt(>
>>

/** A (..)+ block with 1 or more alternatives */
positiveClosureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
<fileName>:<description>
cnt<decisionNumber> = 0
<decls>
<@preloop(>
<@loopBody>
<positiveClosureBlockLoop(>
<@end>
<@postloop(>
>>

positiveClosureBlockLoop() ::= <<
while True: #loop<decisionNumber>
 alt<decisionNumber> = <maxAlt>
 <@predecision(>

```

```

<@decisionBody><decision><@end>
<@postdecision()>
<alts:{a | <altSwitchCase(i, a)>}; separator="\nel">
else:
 if cnt<decisionNumber> >= 1:
 break #loop<decisionNumber>

 <ruleBacktrackFailure()>
 eee = EarlyExitException(<decisionNumber>, self.input)
 <@earlyExitException()>
 raise eee

 cnt<decisionNumber> += 1
>>

positiveClosureBlockSingleAlt ::= positiveClosureBlock

/** A (..)* block with 1 or more alternatives */
closureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::=
<<
<fileName>:<description>
<decls>
<@preloop()>
<@loopBody>
<closureBlockLoop()>
<@end>
<@postloop()>
>>

closureBlockLoop() ::= <<
while True: #loop<decisionNumber>
 alt<decisionNumber> = <maxAlt>
 <@predecision()>
 <@decisionBody><decision><@end>
 <@postdecision()>
 <alts:{a | <altSwitchCase(i, a)>}; separator="\nel">
 else:
 break #loop<decisionNumber>
>>

closureBlockSingleAlt ::= closureBlock

/** Optional blocks (x)? are translated to (x|) by before code generation
* so we can just use the normal block template
*/
optionalBlock ::= block

optionalBlockSingleAlt ::= block

```

```

/** A case in a switch that jumps to an alternative given the alternative
 * number. A DFA predicts the alternative and then a simple switch
 * does the jump to the code that actually matches that alternative.
 */
altSwitchCase(altNum,alt) ::= <<
if alt<decisionNumber> == <altNum>:
 <@prealt()>
 <alt>
>>

/** An alternative is just a list of elements; at outermost level */
alt(elements,altNum,description,autoAST,outerAlt, treeLevel,rew) ::= <<
<fileName>:<description>
pass <! so empty alternatives are a valid block !>
<@declarations()>
<elements:element()>
<rew>
<@cleanup()>
>>

/** What to emit when there is no rewrite. For auto build
 * mode, does nothing.
 */
noRewrite(rewriteBlockLevel, treeLevel) ::= ""

// E L E M E N T S

/** Dump the elements one per line */
element(e) ::= <<
<@prematch()>
<e.el><\n>
>>

/** match a token optionally with a label in front */
tokenRef(token,label,elementIndex,terminalOptions={}) ::= <<
<if(label)><label> = <endif>self.match(self.input, <token>,
self.FOLLOW_<token>_in_<ruleName><elementIndex>)
>>

/** ids+=ID */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRef(token,label,elementIndex,terminalOptions)>
<listLabel(label, label)>
>>

listLabel(label, elem) ::= <<
if list_<label> is None:

```

```

 list_<label> = []
list_<label>.append(<elem>)<\n>
>>

/** match a character */
charRef(char,label) ::= <<
<if(label)>
<label> = self.input.LA(1)<\n>
<endif>
self.match(<char>)
>>

/** match a character range */
charRangeRef(a,b,label) ::= <<
<if(label)>
<label> = self.input.LA(1)<\n>
<endif>
self.matchRange(<a>,)
>>

/** For now, sets are interval tests and must be tested inline */
matchSet(s,label,elementIndex,postmatchCode="",terminalOptions={}) ::= <<
<if(label)>
<label> = self.input.LT(1)<\n>
<endif>
if <s>:
 self.input.consume()
 <postmatchCode>
<if(!LEXER)>
 self._state.errorRecovery = False<\n>
<endif>

else:
 <ruleBacktrackFailure()>
 mse = MismatchedSetException(None, self.input)
 <@mismatchedSetException()>
<if(LEXER)>
 self.recover(mse)
 raise mse
<else>
 raise mse
<! use following code to make it recover inline; remove throw mse;
self.recoverFromMismatchedSet(
 self.input, mse, self.FOLLOW_set_in_<ruleName><elementIndex>
)
!>
<endif>
<\n>

```



```
>>
```

```
matchRuleBlockSet ::= matchSet
```

```
matchSetAndListLabel(s,label,elementIndex,postmatchCode) ::= <<
```

```
<matchSet(...)>
```

```
<listLabel(label, label)>
```

```
>>
```

```
/** Match a string literal */
```

```
lexerStringRef(string,label,elementIndex="0") ::= <<
```

```
<if(label)>
```

```
<label>Start = self.getCharIndex()
```

```
self.match(<string>)
```

```
<label>StartLine<elementIndex> = self.getLine()
```

```
<label>StartCharPos<elementIndex> = self.getCharPositionInLine()
```

```
<label> = <labelType>(input=self.input, type=INVALID_TOKEN_TYPE, channel=DEFAULT_CHANNEL,
start=<label>Start, stop=self.getCharIndex()-1)
```

```
<label>.setLine(<label>StartLine<elementIndex>)
```

```
<label>.setCharPositionInLine(<label>StartCharPos<elementIndex>)
```

```
<else>
```

```
self.match(<string>)
```

```
<endif>
```

```
>>
```

```
wildcard(token,label,elementIndex,terminalOptions={}) ::= <<
```

```
<if(label)>
```

```
<label> = self.input.LT(1)<\n>
```

```
<endif>
```

```
self.matchAny(self.input)
```

```
>>
```

```
wildcardAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
```

```
<wildcard(...)>
```

```
<listLabel(label,label)>
```

```
>>
```

```
/** Match . wildcard in lexer */
```

```
wildcardChar(label, elementIndex) ::= <<
```

```
<if(label)>
```

```
<label> = self.input.LA(1)<\n>
```

```
<endif>
```

```
self.matchAny()
```

```
>>
```

```
wildcardCharListLabel(label, elementIndex) ::= <<
```

```
<wildcardChar(label, elementIndex)>
```

```
<listLabel(label, label)>
```

```
>>
```

```
/** Match a rule reference by invoking it possibly with arguments
 * and a return value or values. The 'rule' argument was the
 * target rule name, but now is type Rule, whose toString is
 * same: the rule name. Now though you can access full rule
 * descriptor stuff.
 */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
self._state.following.append(self.FOLLOW_<rule.name>_in_<ruleName><elementIndex>)
<if(label)><label> = <endif>self.<if(scope)><scope:delegateName()>.<endif><rule.name>(<args; separator=",
">><\n>
self._state.following.pop()
>>
```

```
/** ids+=rule */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(rule,label,elementIndex,args,scope)>
<listLabel(label, label)>
>>
```

```
/** A lexer rule reference
 * The 'rule' argument was the target rule name, but now
 * is type Rule, whose toString is same: the rule name.
 * Now though you can access full rule descriptor stuff.
 */
lexerRuleRef(rule,label,args,elementIndex,scope) ::= <<
<if(label)>
<label>Start<elementIndex> = self.getCharIndex()
self.<if(scope)><scope:delegateName()>.<endif>m<rule.name>(<args; separator=", ">)
<label>StartLine<elementIndex> = self.getLine()
<label>StartCharPos<elementIndex> = self.getCharPositionInLine()
<label> = <labelType>(
input=self.input,
type=INVALID_TOKEN_TYPE,
channel=DEFAULT_CHANNEL,
start=<label>Start<elementIndex>,
stop=self.getCharIndex()-1)
<label>.setLine(<label>StartLine<elementIndex>)
<label>.setCharPositionInLine(<label>StartCharPos<elementIndex>)
<else>
self.<if(scope)><scope:delegateName()>.<endif>m<rule.name>(<args; separator=", ">)
<endif>
>>
```

```
/** i+=INT in lexer */
lexerRuleRefAndListLabel(rule,label,args,elementIndex,scope) ::= <<
<lexerRuleRef(rule,label,args,elementIndex,scope)>
```

```

<listLabel(label, label)>
>>

/** EOF in the lexer */
lexerMatchEOF(label,elementIndex) ::= <<
<if(label)>
<label>Start<elementIndex> = self.getCharIndex()
<label>StartLine<elementIndex> = self.getLine()
<label>StartCharPos<elementIndex> = self.getCharPositionInLine()
self.match(EOF)
<label> = <labelType>(input=self.input, type=EOF, channel=DEFAULT_CHANNEL,
start=<label>Start<elementIndex>, stop=self.getCharIndex()-1)
<label>.setLine(<label>StartLine<elementIndex>)
<label>.setCharPositionInLine(<label>StartCharPos<elementIndex>)
<else>
self.match(EOF)
<endif>
>>

// used for left-recursive rules
recRuleDefArg() ::= "<recRuleArg()>"
recRuleArg() ::= "_p"
recRuleAltPredicate(ruleName, opPrec) ::= "<recRuleArg()> \<= <opPrec>"
recRuleSetResultAction() ::= "root_0 = $<ruleName>_primary.tree"
recRuleSetReturnAction(src, name) ::= "$<name> = $<src>.<name>"

/** match ^(root children) in tree parser */
tree(root, actionsAfterRoot, children, nullableChildList,
enclosingTreeLevel, treeLevel) ::= <<
<root:element()>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if self.input.LA(1) == DOWN:
self.match(self.input, DOWN, None)
<children:element()>
self.match(self.input, UP, None)

<else>
self.match(self.input, DOWN, None)
<children:element()>
self.match(self.input, UP, None)
<endif>
>>

/** Every predicate is used as a validating predicate (even when it is
* also hoisted into a prediction expression).
*/
validateSemanticPredicate(pred,description) ::= <<

```

```

if not (<evalPredicate(pred, description)>):
 <ruleBacktrackFailure()>
 raise FailedPredicateException(self.input, "<ruleName>", "<description>")

>>

// F i x e d D F A (if-then-else)

dfaState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
LA<decisionNumber>_<stateNumber> = self.input.LA(<k>)<\n>
<edges; separator="\n" >
else:
<if(eotPredictsAlt)>
 alt<decisionNumber> = <eotPredictsAlt>
<else>
 <ruleBacktrackFailure()>
 nvae = NoViableAltException("<description>", <decisionNumber>, <stateNumber>, self.input)<\n>
 <@noViableAltException()>
 raise nvae<\n>
<endif>
>>

/** Same as a normal DFA state except that we don't examine lookahead
 * for the bypass alternative. It delays error detection but this
 * is faster, smaller, and more what people expect. For (X)? people
 * expect "if (LA(1)==X) match(X);" and that's it.
 */
dfaOptionalBlockState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
LA<decisionNumber>_<stateNumber> = self.input.LA(<k>)<\n>
<edges; separator="\n" >
>>

/** A DFA state that is actually the loopback decision of a closure
 * loop. If end-of-token (EOT) predicts any of the targets then it
 * should act like a default clause (i.e., no error can be generated).
 * This is used only in the lexer so that for ('a')* on the end of a rule
 * anything other than 'a' predicts exiting.
 */
dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
LA<decisionNumber>_<stateNumber> = self.input.LA(<k>)<\n>
<edges; separator="\n" ><\n>
<if(eotPredictsAlt)>
<if(!edges)>
alt<decisionNumber> = <eotPredictsAlt> <! if no edges, don't gen ELSE !>
<else>
else:
 alt<decisionNumber> = <eotPredictsAlt>
<\n>

```

```

<endif>
<endif>
>>

/** An accept state indicates a unique alternative has been predicted */
dfaAcceptState(alt) ::= "alt<decisionNumber> = <alt>"

/** A simple edge with an expression. If the expression is satisfied,
 * enter to the target state. To handle gated productions, we may
 * have to evaluate some predicates for this edge.
 */
dfaEdge(labelExpr, targetState, predicates) ::= <<
if (<labelExpr>) <if(predicates)>and (<predicates>)<endif>:
 <targetState>
>>

// F i x e d D F A (switch case)

/** A DFA state where a SWITCH may be generated. The code generator
 * decides if this is possible: CodeGenerator.canGenerateSwitch().
 */
dfaStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
<!
 FIXME: this is one of the few occasion, where I miss a switch statement
 in Python. ATM this is implemented as a list of if .. elif ..
 This may be replaced by faster a dictionary lookup, when I find a solution
 for the cases when an edge is not a plain dfaAcceptState.
!>
LA<decisionNumber> = self.input.LA(<k>)
<edges; separator="\n">
else:
<if(eotPredictsAlt)>
 alt<decisionNumber> = <eotPredictsAlt>
<else>
 <ruleBacktrackFailure()>
 nvae = NoViableAltException("<description>", <decisionNumber>, <stateNumber>, self.input)<\n>
 <@noViableAltException()>
 raise nvae<\n>
<endif>

>>

dfaOptionalBlockStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
LA<decisionNumber> = self.input.LA(<k>)
<edges; separator="\n">
>>

dfaLoopbackStateSwitch(k, edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<

```

```

LA<decisionNumber> = self.input.LA(<k>)
<edges; separator="\nел">
<if(eotPredictsAlt)>
else:
 alt<decisionNumber> = <eotPredictsAlt>
<endif>
>>

dfaEdgeSwitch(labels, targetState) ::= <<
if <labels:{it | LA<decisionNumber> == <it>} ; separator=" or ">:
 <targetState>
>>

// C y c l i c D F A

/** The code to initiate execution of a cyclic DFA; this is used
 * in the rule to predict an alt just like the fixed DFA case.
 * The <name> attribute is inherited via the parser, lexer, ...
 */
dfaDecision(decisionNumber,description) ::= <<
alt<decisionNumber> = self.dfa<decisionNumber>.predict(self.input)
>>

/* Dump DFA tables as run-length-encoded Strings of octal values.
 * Can't use hex as compiler translates them before compilation.
 * These strings are split into multiple, concatenated strings.
 * Java puts them back together at compile time thankfully.
 * Java cannot handle large static arrays, so we're stuck with this
 * encode/decode approach. See analysis and runtime DFA for
 * the encoding methods.
 */
cyclicDFA(dfa) ::= <<
lookup tables for DFA #<dfa.decisionNumber>

DFA<dfa.decisionNumber>_eot = DFA.unpack(
 u"<dfa.javaCompressedEOT; wrap="\n u\>"
)

DFA<dfa.decisionNumber>_eof = DFA.unpack(
 u"<dfa.javaCompressedEOF; wrap="\n u\>"
)

DFA<dfa.decisionNumber>_min = DFA.unpack(
 u"<dfa.javaCompressedMin; wrap="\n u\>"
)

DFA<dfa.decisionNumber>_max = DFA.unpack(
 u"<dfa.javaCompressedMax; wrap="\n u\>"
)

```

```

)

DFA<dfa.decisionNumber>_accept = DFA.unpack(
 u"<dfa.javaCompressedAccept; wrap=""\n u\ "">"
)

DFA<dfa.decisionNumber>_special = DFA.unpack(
 u"<dfa.javaCompressedSpecial; wrap=""\n u\ "">"
)

DFA<dfa.decisionNumber>_transition = [
 <dfa.javaCompressedTransition:{s|DFA.unpack(u"<s; wrap=""\nu\ "">)}; separator=",\n">
]

class definition for DFA #<dfa.decisionNumber>

class DFA<dfa.decisionNumber>(DFA):
 pass

 <@errorMethod()>

 <if(dfa.specialStateSTs)>
 def specialStateTransition(self_, s, input):
 # convince pylint that my self_ magic is ok ;)
 # pylint: disable-msg=E0213

 # pretend we are a member of the recognizer
 # thus semantic predicates can be evaluated
 self = self_.recognizer

 _s = s

 <dfa.specialStateSTs:{state | if s == <i0>: <! compressed special state numbers 0..n-1 !>
 <state>}; separator="\nel">

 <if(backtracking)>
 if self._state.backtracking > 0:
 raise BacktrackingFailed

 <endif>
 nvae = NoViableAltException(self_.getDescription(), <dfa.decisionNumber>, _s, input)
 self_.error(nvae)
 raise nvae<\n>
 <endif>

 >>

```

```

cyclicDFAInit(dfa) ::= <<
self.dfa<dfa.decisionNumber> = self.DFA<dfa.decisionNumber>(
 self, <dfa.decisionNumber>,
 eot = self.DFA<dfa.decisionNumber>_eot,
 eof = self.DFA<dfa.decisionNumber>_eof,
 min = self.DFA<dfa.decisionNumber>_min,
 max = self.DFA<dfa.decisionNumber>_max,
 accept = self.DFA<dfa.decisionNumber>_accept,
 special = self.DFA<dfa.decisionNumber>_special,
 transition = self.DFA<dfa.decisionNumber>_transition
)<\n>
>>

/** A state in a cyclic DFA; it's a special state and part of a big switch on
 * state.
 */
cyclicDFAState(decisionNumber,stateNumber,edges,needErrorClause,semPredState) ::= <<
LA<decisionNumber>_<stateNumber> = input.LA(1)<\n>
<if(semPredState)> <! get next lookahead symbol to test edges, then rewind !>
index<decisionNumber>_<stateNumber> = input.index()
input.rewind()<\n>
<endif>
s = -1
<edges; separator="\n">
<if(semPredState)> <! return input cursor to state before we rewound !>
input.seek(index<decisionNumber>_<stateNumber>)<\n>
<endif>
if s >= 0:
 return s
>>

/** Just like a fixed DFA edge, test the lookahead and indicate what
 * state to jump to next if successful.
 */
cyclicDFAEdge(labelExpr, targetStateNumber, edgeNumber, predicates) ::= <<
if (<labelExpr>)<if(predicates)> and (<predicates>)<endif>:
 s = <targetStateNumber><\n>
>>

/** An edge pointing at end-of-token; essentially matches any char;
 * always jump to the target.
 */
eotDFAEdge(targetStateNumber,edgeNumber, predicates) ::= <<
se:
 s = <targetStateNumber><\n>
>>

```



## // D F A E X P R E S S I O N S

andPredicates(left,right) ::= "((<left>) and (<right>))"

orPredicates(operands) ::= "<operands; separator=\" or \">"

notPredicate(pred) ::= "not (<evalPredicate(pred, { })>)"

evalPredicate(pred,description) ::= "<pred>"

evalSynPredicate(pred,description) ::= "self.<pred>()"

lookaheadTest(atom,k,atomAsInt) ::= "LA<decisionNumber>\_<stateNumber> == <atom>"

/\*\* Sometimes a lookahead test cannot assume that LA(k) is in a temp variable

\* somewhere. Must ask for the lookahead directly.

\*/

isolatedLookaheadTest(atom,k,atomAsInt) ::= "self.input.LA(<k>) == <atom>"

lookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= <%

<lower> \<= LA<decisionNumber>\_<stateNumber> \<= <upper>

%>

isolatedLookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= "<lower> \<= self.input.LA(<k>) \<= <upper>"

setTest(ranges) ::= "<ranges; separator=\" or \">"

## // A T T R I B U T E S

globalAttributeScopeClass(scope) ::= <<

<if(scope)>

<if(scope.attributes)>

class <scope.name>\_scope(object):

def \_\_init\_\_(self):

<scope.attributes:{it | self.<it.decl> = None}; separator="\n">

<endif>

<endif>

>>

globalAttributeScopeStack(scope) ::= <<

<if(scope)>

<if(scope.attributes)>

self.<scope.name>\_stack = []<\n>

<endif>

<endif>

>>

```

ruleAttributeScopeClass(scope) ::= <<
<if(scope)>
<if(scope.attributes)>
class <scope.name>_scope(object):
 def __init__(self):
 <scope.attributes:{it | self.<it.decl> = None}; separator="\n">

<endif>
<endif>
>>

ruleAttributeScopeStack(scope) ::= <<
<if(scope)>
<if(scope.attributes)>
self.<scope.name>_stack = []<\n>
<endif>
<endif>
>>

delegateName(d) ::= <<
<if(d.label)><d.label><else>g<d.name><endif>
>>

/** Define a rule label including default value */
ruleLabelDef(label) ::= <<
<label.label.text> = None
>>

returnStructName(r) ::= "<r.name>_return"

/** Define a return struct for a rule if the code needs to access its
 * start/stop tokens, tree stuff, attributes, ... Leave a hole for
 * subgroups to stick in members.
 */
returnScope(scope) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
class <ruleDescriptor:returnStructName()>(<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope):
 def __init__(self):
 super(<grammar.recognizerName>.<ruleDescriptor:returnStructName()>, self).__init__()

 <if(scope)><scope.attributes:{it | self.<it.decl> = None}; separator="\n"><endif>
 <@ruleReturnInit()>

 <@ruleReturnMembers()>

<endif>

```

>>

```
parameterScope(scope) ::= <<
<if(scope)><scope.attributes:{it | <it.decl>}; separator=", "><endif>
>>
```

```
parameterAttributeRef(attr) ::= "<attr.name>"
parameterSetAttributeRef(attr,expr) ::= "<attr.name> = <expr>"
```

```
scopeAttributeRef(scope,attr,index,negIndex) ::= <%
<if(negIndex)>
self.<scope>_stack[-<negIndex>].<attr.name>
<else>
<if(index)>
self.<scope>_stack[<index>].<attr.name>
<else>
self.<scope>_stack[-1].<attr.name>
<endif>
<endif>
>%
```

/\* not applying patch because of bug in action parser!

```
<if(negIndex)>
((len(self.<scope>_stack) - <negIndex> - 1) >= 0 and [self.<scope>_stack[-<negIndex>].<attr.name>] or [None])[0]
<else>
<if(index)>
((<index> \< len(self.<scope>_stack)) and [self.<scope>_stack[<index>].<attr.name>] or [None])[0]
<else>
((len(self.<scope>_stack) > 0) and [self.<scope>_stack[-1].<attr.name>] or [None])[0]
<endif>
<endif>
```

\*/

```
scopeSetAttributeRef(scope,attr,expr,index,negIndex) ::= <%
<if(negIndex)>
<!FIXME: this seems not to be used by ActionTranslator...!>
self.<scope>_stack[-<negIndex>].<attr.name> = <expr>
<else>
<if(index)>
<!FIXME: this seems not to be used by ActionTranslator...!>
self.<scope>_stack[<index>].<attr.name> = <expr>
<else>
self.<scope>_stack[-1].<attr.name> = <expr>
<endif>
<endif>
>%
```

```

/** $x is either global scope or x is rule with dynamic scope; refers
 * to stack itself not top of stack. This is useful for predicates
 * like {$function.size()>0 && $function::name.equals("foo")}?
 */
isolatedDynamicScopeRef(scope) ::= "self.<scope>_stack"

/** reference an attribute of rule; might only have single return value */
ruleLabelRef(referencedRule,scope,attr) ::= <%
<if(referencedRule.hasMultipleReturnValues)>
((<scope> is not None) and [<scope>.<attr.name>] or [None])[0]
<else>
<scope>
<endif>
%>

returnAttributeRef(ruleDescriptor,attr) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name>
<else>
<attr.name>
<endif>
%>

returnSetAttributeRef(ruleDescriptor,attr,expr) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name> = <expr>
<else>
<attr.name> = <expr>
<endif>
%>

/** How to translate $tokenLabel */
tokenLabelRef(label) ::= "<label>"

/** ids+=ID {$ids} or e+=expr {$e} */
listLabelRef(label) ::= "list_<label>"

// not sure the next are the right approach; and they are evaluated early;
// they cannot see TREE_PARSER or PARSER attributes for example. :(

tokenLabelPropertyRef_text(scope,attr) ::= "<scope>.text"
tokenLabelPropertyRef_type(scope,attr) ::= "<scope>.type"
tokenLabelPropertyRef_line(scope,attr) ::= "<scope>.line"
tokenLabelPropertyRef_pos(scope,attr) ::= "<scope>.charPositionInLine"
tokenLabelPropertyRef_channel(scope,attr) ::= "<scope>.channel"
tokenLabelPropertyRef_index(scope,attr) ::= "<scope>.index"

```

```

tokenLabelPropertyRef_tree(scope,attr) ::= "<scope>_tree"

ruleLabelPropertyRef_start(scope,attr) ::= "<scope>.start"
ruleLabelPropertyRef_stop(scope,attr) ::= "<scope>.stop"
ruleLabelPropertyRef_tree(scope,attr) ::= "<scope>.tree"
ruleLabelPropertyRef_text(scope,attr) ::= <%
<if(TREE_PARSER)>
((<scope> is not None) and [self.input.getTokenStream().toString(
 self.input.getTreeAdaptor().getTokenStartIndex(<scope>.start),
 self.input.getTreeAdaptor().getTokenStopIndex(<scope>.start)
]) or [None]][0]
<else>
((<scope> is not None) and [self.input.toString(<scope>.start,<scope>.stop)] or [None]][0]
<endif>
%>
ruleLabelPropertyRef_st(scope,attr) ::= "((<scope> is not None) and [<scope>.st] or [None])[0]"

/** Isolated $RULE ref ok in lexer as it's a Token */
lexerRuleLabel(label) ::= "<label>"

lexerRuleLabelPropertyRef_type(scope,attr) ::= "((<scope> is not None) and [<scope>.type] or [0])[0]"
lexerRuleLabelPropertyRef_line(scope,attr) ::= "((<scope> is not None) and [<scope>.line] or [0])[0]"
lexerRuleLabelPropertyRef_pos(scope,attr) ::= "((<scope> is not None) and [<scope>.charPositionInLine] or [0])[0]"
lexerRuleLabelPropertyRef_channel(scope,attr) ::= "((<scope> is not None) and [<scope>.channel] or [0])[0]"
lexerRuleLabelPropertyRef_index(scope,attr) ::= "((<scope> is not None) and [<scope>.index] or [0])[0]"
lexerRuleLabelPropertyRef_text(scope,attr) ::= "((<scope> is not None) and [<scope>.text] or [None])[0]"
lexerRuleLabelPropertyRef_int(scope,attr) ::= "((<scope> is not None) and [int(<scope>.text)] or [0])[0]"

// Somebody may ref $template or $tree or $stop within a rule:
rulePropertyRef_start(scope,attr) ::= "retval.start"
rulePropertyRef_stop(scope,attr) ::= "retval.stop" //mmm... or input.LT(-1)??
rulePropertyRef_tree(scope,attr) ::= "retval.tree"
rulePropertyRef_text(scope,attr) ::= "self.input.toString(retval.start, self.input.LT(-1))"
rulePropertyRef_st(scope,attr) ::= "retval.st"

lexerRulePropertyRef_text(scope,attr) ::= "self.text"
lexerRulePropertyRef_type(scope,attr) ::= "_type"
lexerRulePropertyRef_line(scope,attr) ::= "self._state.tokenStartLine"
lexerRulePropertyRef_pos(scope,attr) ::= "self._state.tokenStartCharPositionInLine"
lexerRulePropertyRef_index(scope,attr) ::= "-1" // undefined token index in lexer
lexerRulePropertyRef_channel(scope,attr) ::= "_channel"
lexerRulePropertyRef_start(scope,attr) ::= "self._state.tokenStartCharIndex"
lexerRulePropertyRef_stop(scope,attr) ::= "(self.getCharIndex()-1)"
lexerRulePropertyRef_int(scope,attr) ::= "int(<scope>.text)"

// setting $st and $tree is allowed in local rule. everything else
// is flagged as error

```

```
ruleSetPropertyRef_tree(scope,attr,expr) ::= "retval.tree =<expr>"
```

```
ruleSetPropertyRef_st(scope,attr,expr) ::= "retval.st =<expr>"
```

```
/** How to execute an action (only when not backtracking) */
```

```
execAction(action) ::= <<
```

```
<if(backtracking)>
```

```
<if(actions.(actionScope).synpredgate)>
```

```
if <actions.(actionScope).synpredgate>:
```

```
 pass
```

```
 <action>
```

```
<else>
```

```
if <actions.(actionScope).synpredgate>:
```

```
 pass
```

```
 <action>
```

```
<endif>
```

```
<else>
```

```
#action start
```

```
<action>
```

```
#action end
```

```
<endif>
```

```
>>
```

```
/** How to always execute an action even when backtracking */
```

```
execForcedAction(action) ::= "<action>"
```

```
// M I S C (properties, etc...)
```

```
codeFileExtension() ::= ".py"
```

```
true_value() ::= "True"
```

```
false_value() ::= "False"
```

```
Found in path(s):
```

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/Python/Python.stg
```

```
No license file was found, but licenses were detected in source scan.
```

```
/*
```

```
[The "BSD license"]
```

```
Copyright (c) 2005-2012 Terence Parr
```

```
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```

```
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modification, are permitted provided that the following conditions
```

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\*/

/\*\* Template overrides to add debugging to AST stuff. Dynamic inheritance

\* hierarchy is set up as ASTDbg : AST : Dbg : Python by code generator.

\*/

group ASTDbg;

astAccessor() ::= <<

def setTreeAdaptor(self, adaptor):

<if(grammar.grammarIsRoot)>

self.\_adaptor = DebugTreeAdaptor(self.dbg, adaptor)

<else>

self.\_adaptor = adaptor # delegator sends dbg adaptor

<endif>

<grammar.directDelegates:{g|<g.delegateName()>.setTreeAdaptor(self.\_adaptor)}>

def getTreeAdaptor(self):

return self.\_adaptor

adaptor = property(getTreeAdaptor, setTreeAdaptor)<\n>

>>

createListenerAndHandshake() ::= <<

proxy = DebugEventSocketProxy(self,

adaptor=<if(TREE\_PARSER)>self.input.getTreeAdaptor()<else>self.\_adaptor<endif>,

debug=debug\_socket, port=port)

self.setDebugListener(proxy)

self.adaptor.setDebugListener(proxy)

self.input.setDebugListener(proxy)

```
#self.set<InputStreamType>(Debug<InputStreamType>(self.input, proxy))
proxy.handshake()
>>
```

```
@rewriteElement.pregen() ::= "self._dbg.location(<e.line>, <e.pos>)"
```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/Python3/ASTDbg.stg
```

No license file was found, but licenses were detected in source scan.

```
/* [The "BSD license"]
```

```
Copyright (c) 2008 Erik van Bilzen
```

```
Copyright (c) 2007-2008 Johannes Luber
```

```
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```

```
Copyright (c) 2005-2006 Terence Parr
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```
*/
```

```
group Delphi;
```

```
csharpTypeInitMap ::= [
```

```
"int": "0",
```

```
"uint": "0",
```

```
"long": "0",
```

```
"ulong": "0",
```

```
"float": "0.0",
```



```

"double": "0.0",
"bool": "False",
"byte": "0",
"sbyte": "0",
"short": "0",
"ushort": "0",
"char": "#0",
"string": "",
"String": "",
default: "nil" // anything other than an atomic type
]

```

```

/** The overall file structure of a recognizer; stores methods for rules
 * and cyclic DFAs plus support code.
 * LEXER (Boolean): should we generate lexer code?
 * PARSER (Boolean): should we generate parser code?
 * TREE_PARSER (Boolean): should we generate tree parser code?
 * actionScope (String): 'lexer', 'parser', 'tree_parser' or custom scope
 * actions (HashMap):
 * docComment (String): document comment
 * recognizer (Object): recognizer class generator
 * name (String): name of grammar
 * tokens (HashMap<name: String, type: Integer>):
 * tokenNames:
 * rules:
 * cyclicDFAs:
 * bitsets:
 * buildTemplate (Boolean): should we generate a string template?
 * buildAST (Boolean): should we generate an AST?
 * rewriteMode (Boolean): are we rewriteing nodes?
 * profile (Boolean):
 * backtracking (Boolean): backtracking mode?
 * synpreds (): syntactic predicates
 * memoize (Boolean): should we memoize?
 * numRules (Integer): number of rules
 * fileName (String): fully qualified name of original .g file
 * ANTLRVersion (String): ANTLR version in Major.Minor.Build format
 * generatedTimestamp (String): date/time when the file is generated
 * trace (Boolean): should we trace input/output?
 * scopes:
 * superClass (String): name of base class, or empty string
 * literals:
 */
outputFile(LEXER,PARSER,TREE_PARSER, actionScope, actions,
 docComment, recognizer,
 name, tokens, tokenNames, rules, cyclicDFAs,
 bitsets, buildTemplate, buildAST, rewriteMode, profile,
 backtracking, synpreds, memoize, numRules,

```

```

 fileName, ANTLRVersion, generatedTimestamp, trace,
 scopes, superClass, literals) ::=
<<
unit <name>;

{$HINTS OFF}

// $ANTLR <ANTLRVersion> <fileName> <generatedTimestamp>

<actions.(actionScope).header>

interface

<@imports>
uses<\n>
<@end>
<actions.(actionScope).usesInterface>
<if(TREE_PARSER)>
 Antlr.Runtime.Tree,<\n>
<endif>
 Antlr.Runtime,
 Antlr.Runtime.Collections,
 Antlr.Runtime.Tools;

<docComment>
<recognizer>
>>

/** Generates source code for the lexer class
 * grammar (Grammar object)
 */
lexer(grammar, name, tokens, scopes, rules, numRules, labelType="Token",
 filterMode, superClass="Lexer") ::= <<
type
I<grammar.recognizerName> = interface(I<@superClassName><superClass><@end>)
end;

T<grammar.recognizerName> = class(T<@superClassName><superClass><@end>,
I<grammar.recognizerName>)
strict private
 FCnt: array [0..<grammar.numberOfDecisions>] of Byte;
 FLA: array [0..<grammar.numberOfDecisions>, 0..255] of Integer;
 FException: ERecognitionException;
 procedure InitializeCyclicDFAs;
<cyclicDFAs:cyclicDFADeclaration()>
public
const
 <tokens:{<it.name> = <it.type>;}; separator="\n">

```

```

 <scopes: { <if(it.isDynamicGlobalScope)><globalAttributeScope(scope=it)><endif> } >
strict private
 <actions.(actionScope).memberDeclarations>
public
 // delegates
 <grammar.delegates: { g | <g.delegateName(): I<superClass>; { <g.recognizerName> } }; separator="\n" >
public
 // delegators
 <grammar.delegators: { g | <g.delegateName(): Pointer; { <g.recognizerName> } }; separator="\n" >
 <last(grammar.delegators): { g | gParent: Pointer; { <g.recognizerName> } } >
protected
 { IBaseRecognizer }
 function GetGrammarFileName: String; override;
<if(filterMode)>
 function AlreadyParsedRule(const Input: IIntStream;
 const RuleIndex: Integer): Boolean; override;
 procedure Memoize(const Input: IIntStream; const RuleIndex,
 RuleStartIndex: Integer); override;
protected
 { ILexer }
 function NextToken: IToken; override;<\n>
<endif>
protected
 { ILexer }
 procedure DoTokens; override;
public
 constructor Create; overload;
 constructor Create(const AInput: ICharStream<grammar.delegators: { g | <g.delegateName():
IBaseRecognizer{ <g.recognizerName> } } >); overload;
 constructor Create(const AInput: ICharStream; const AState: IRecognizerSharedState<grammar.delegators: { g |
const A<g.delegateName(): IBaseRecognizer{ <g.recognizerName> } } >); overload;

 <rules: { r | <if(!r.ruleDescriptor.isSynPred)><lexerRuleDeclaration(r)><endif> } >
 <synpreds: { p | <lexerSynpredDeclaration(p)> }; separator="\n" >
end;

implementation

uses
 <grammar.delegates: { g | <g.recognizerName>; }; separator="\n" >
 <grammar.delegators: { g | <g.recognizerName>; }; separator="\n" >
 <actions.(actionScope).usesImplementation>
 SysUtils,
 StrUtils,
 Math;

{ T<grammar.recognizerName> }

```

```

constructor T<grammar.recognizerName>.Create;
begin
 InitializeCyclicDFAs;
end;

constructor T<grammar.recognizerName>.Create(const AInput: ICharStream<grammar.delegators:{g}; const
A<g:delegateName(): IBaseRecognizer{<g.recognizerName>} >>);
begin
 Create(AInput, nil<grammar.delegators:{g}, A<g:delegateName()>>);
end;

constructor T<grammar.recognizerName>.Create(const AInput: ICharStream; const AState:
IRRecognizerSharedState<grammar.delegators:{g}; const A<g:delegateName():
IBaseRecognizer{<g.recognizerName>} >>);
begin
 inherited Create(AInput, AState);
 InitializeCyclicDFAs; { TODO: Necessary in Delphi??? Not removed yet. }
 <if(memoize)>
 <if(grammar.grammarIsRoot)>
 State.RuleMemoCount := <numRules>+1;<\n> <! index from 1..n !>
 <endif>
 <endif>
 <grammar.directDelegates:
 {g<g:delegateName() := T<g.recognizerName>.Create(AInput, State<trunc(g.delegators):{p|,
<p:delegateName()>>, Self);}; separator="\n">
 <grammar.delegators:
 {g<g:delegateName() := Pointer(A<g:delegateName()>>);}; separator="\n">
 <last(grammar.delegators):{g|gParent := Pointer(A<g:delegateName()>>);}>
 <actions.(actionScope).memberInitializations>
end;
 <actions.(actionScope).memberImplementations>
function T<grammar.recognizerName>.GetGrammarFileName: String;
begin
 Result := '<fileName>';
end;

<if(filterMode)>
<filteringNextToken()>
<endif>

<rules; separator="\n\n">
<synpreds:{p | <lexerSynpred(p)>}>

procedure T<grammar.recognizerName>.InitializeCyclicDFAs;
begin
 <cyclicDFAs:{dfa | FDFFA<dfa.decisionNumber> :=
TDFFA<dfa.decisionNumber>.Create(Self<@debugAddition()>);}; separator="\n">
 <cyclicDFAs:{dfa | <if(dfa.specialStateSTs)>FDFFA<dfa.decisionNumber>.SpecialStateTransitionHandler :=

```

```
DFA<dfa.decisionNumber>_SpecialStateTransition;<endif>}; separator="\n">
end;
```

```
<cyclicDFAs:cyclicDFA()> <! dump tables for all DFA !>
end.>>
```

```
lexerRuleDeclaration(rule) ::= <<
procedure m<rule.ruleName>(<rule.ruleDescriptor.parameterScope:parameterScope(scope=rule)>);<\n>
>>
```

```
/** A override of Lexer.nextToken() that backtracks over mTokens() looking
 * for matches. No error can be generated upon error; just rewind, consume
 * a token and then try again. backtracking needs to be set as well.
 *
 * Make rule memoization happen only at levels above 1 as we start mTokens
 * at backtracking==1.
 */
```

```
filteringNextToken() ::= <<
function T<grammar.recognizerName>.NextToken: IToken;
var
 M: Integer;
begin
 while (True) do
 begin
 if (Input.LA(1) = Integer(cscEOF)) then
 Exit(TToken.EOF_TOKEN);

 State.Token := nil;
 State.Channel := TToken.DEFAULT_CHANNEL;
 State.TokenStartCharIndex := Input.Index;
 State.TokenStartCharPositionInLine := Input.CharPositionInLine;
 State.TokenStartLine := Input.Line;
 State.Text := "";
 try
 M := Input.Mark();
 State.Backtracking := 1; <! means we won't throw slow exception !>
 State.Failed := False;
 mTokens();
 State.Backtracking := 0;
 <!
 mTokens backtracks with synpred at backtracking==2
 and we set the synpredgate to allow actions at level 1.
 !>
 if (State.Failed) then
 begin
 Input.Rewind(M);
 Input.Consume; <! // advance one char and try again !>
 end
 end
```

```

else
begin
 Emit;
 Exit(State.Token);
end;
except
on RE: ERecognitionException do
begin
 // shouldn't happen in backtracking mode, but...
 ReportError(RE);
 Recover(RE);
end;
end;
end;
end;

function T<grammar.recognizerName>.AlreadyParsedRule(const Input: IIntStream;
const RuleIndex: Integer): Boolean;
begin
if (State.Backtracking > 1) then
 Result := inherited AlreadyParsedRule(Input, RuleIndex)
else
 Result := False;
end;

procedure T<grammar.recognizerName>.Memoize(const Input: IIntStream; const RuleIndex,
RuleStartIndex: Integer);
begin
if (State.Backtracking > 1) then
 inherited Memoize(Input, RuleIndex, RuleStartIndex);
end;

>>

filteringActionGate() ::= "(State.Backtracking = 1)"

/** How to generate a parser */
genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
 bitsets, inputStreamType, superClass, filterMode,
 ASTLabelType="ANTLRInterface", labelType, members, rewriteElementType) ::= <<
type
<rules: {r | <genericParserRuleReturnType(rule=r, ruleDescriptor=r.ruleDescriptor)>>>
I<grammar.recognizerName> = interface(I<@superClassName><superClass><@end>)
 <rules: {r | <genericParserRuleInterface(rule=r, ruleDescriptor=r.ruleDescriptor)>>>
end;

T<grammar.recognizerName> = class(T<@superClassName><superClass><@end>,
I<grammar.recognizerName>)

```

```

<if(grammar.grammarIsRoot)>
public
 const
 TOKEN_NAMES: array [0..<length(tokenNames)>+3] of String = (
 '\<invalid>',
 '\<EOR>',
 '\<DOWN>',
 '\<UP>',
 <tokenNames; separator=",\n">);<\n>
<endif>
public
 const
 <tokens:{<it.name> = <it.type>;}; separator="\n">
public
 // delegates
 <grammar.delegates: {g|<g.delegateName(): I<superClass>; {<g.recognizerName>}}; separator="\n">
public
 // delegators
 <grammar.delegators: {g|<g.delegateName(): Pointer; {<g.recognizerName>}}; separator="\n">
 <last(grammar.delegators):{g|gParent: Pointer; {<g.recognizerName>}}>

 <scopes:{<if(it.isDynamicGlobalScope)><globalAttributeScopeDeclaration(scope=it)><endif>}>
<@members>
 <! WARNING. bug in ST: this is cut-n-paste into Dbg.stg !>
public
 constructor Create(const AInput: <inputStreamType><grammar.delegators:{g}; const A<g.delegateName():
IBaseRecognizer{<g.recognizerName>}>); overload;
 constructor Create(const AInput: <inputStreamType>; const AState:
IRecognizerSharedState<grammar.delegators:{g}; const A<g.delegateName():
IBaseRecognizer{<g.recognizerName>}>); overload;
<@end>
protected
 { IBaseRecognizer }
 function GetTokenNames: TStringArray; override;
 function GetGrammarFileName: String; override;
strict private
 <actions.(actionScope).memberDeclarations>
 <rules: {r | <genericParserRuleDeclaration(rule=r, ruleDescriptor=r.ruleDescriptor)>}>

 <! generate rule/method definitions for imported rules so they
 appear to be defined in this recognizer. !>
 // Delegated rules
 <grammar.delegatedRules:{ruleDescriptor| <delegatedRuleDeclaration(ruleDescriptor)>}>

 <synpreds:{p | <synpredDeclaration(p)>}; separator="\n">
 <cyclicDFAs:cyclicDFADeclaration()>
strict private
 FException: ERecognitionException;

```

```

 FLA: array [0..<grammar.numberOfDecisions>, 0..255] of Integer;
 FCnt: array [0..<grammar.numberOfDecisions>] of Byte;
 procedure InitializeCyclicDFAs;
<if(bitsets)>
public
 class var
 <bitsets.bitsetDecl(name={ FOLLOW_<it.name>_in_<it.inName><it.tokenIndex> })>
public
 class procedure InitializeBitsets; static;<\n>
<endif>
end;

implementation

uses
 <grammar.delegates: {g|<g.recognizerName>,}; separator="\n">
 <grammar.delegates: {g|<g.recognizerName>,}; separator="\n">
 <actions.(actionScope).usesImplementation>
 SysUtils,
 StrUtils,
 Math;

{ T<grammar.recognizerName> }

constructor T<grammar.recognizerName>.Create(const AInput: <inputStreamType><grammar.delegates:{g|; const
A<g:delegateName():>: IBaseRecognizer{<g.recognizerName>} }>);
begin
 Create(AInput, TRecognizerSharedState.Create<grammar.delegates: {g|, A<g:delegateName():> }>);
end;

constructor T<grammar.recognizerName>.Create(const AInput: <inputStreamType>;
const AState: IRecognizerSharedState<grammar.delegates:{g|; const A<g:delegateName():>:
IBaseRecognizer{<g.recognizerName>} }>);
begin
 inherited Create(AInput, AState);
 <@membersConstructor>
 <@end>
 <parserCtorBody()>
 <grammar.directDelegates: {g|<g:delegateName():> := T<g.recognizerName>.Create(Input,
State<trunc(g.delegates):{p|, <p:delegateName():> }>, Self);}; separator="\n">
 <grammar.indirectDelegates: {g | <g:delegateName():> := <g.delegate:delegateName():>.<g:delegateName():>};
separator="\n">
 <last(grammar.delegates):{g|gParent := Pointer(A<g:delegateName():>);}>
 <rules: {r | <ruleAttributeScopeInit(scope=r.ruleDescriptor.ruleScope)>}>
 <scopes: {<if(it.isDynamicGlobalScope)><globalAttributeScope(scope=it)><endif>}>
 <actions.(actionScope).memberInitializations>
end;
 <actions.(actionScope).memberImplementations>

```



```

<grammar.delegatedRules:{ruleDescriptor| <delegatedRuleImplementation(ruleDescriptor)>}; separator="\n">
procedure T<grammar.recognizerName>.InitializeCyclicDFAs;
begin
 <cyclicDFAs:{ dfa | FDFA<dfa.decisionNumber> := TDFA<dfa.decisionNumber>.Create(Self);}; separator="\n">
 <cyclicDFAs:{ dfa | <if(dfa.specialStateSTs)>FDFA<dfa.decisionNumber>.SpecialStateTransitionHandler :=
DFA<dfa.decisionNumber>_SpecialStateTransition;<endif>}; separator="\n">
end;

<if(bitsets)>
class procedure T<grammar.recognizerName>.InitializeBitsets;
begin
 <bitsets:bitset(name={FOLLOW_<it.name>_in_<it.inName><it.tokenIndex>}, words64=it.bits)>
end;
<endif>

<@membersImplementation>
<@end>

function T<grammar.recognizerName>.GetTokenNames: TStringArray;
var
 I: Integer;
begin
 SetLength(Result,Length(T<grammar.composite.rootGrammar.recognizerName>.TOKEN_NAMES));
 for I := 0 to Length(T<grammar.composite.rootGrammar.recognizerName>.TOKEN_NAMES) - 1 do
 Result[I] := T<grammar.composite.rootGrammar.recognizerName>.TOKEN_NAMES[I];
 end;

function T<grammar.recognizerName>.GetGrammarFileName: String;
begin
 Result := '<fileName>';
end;

<rules; separator="\n\n">
<synpreds:{p | <synpred(p)>}>

<cyclicDFAs:cyclicDFA()> <! dump tables for all DFA !>
<if(bitsets)>
initialization
 T<grammar.recognizerName>.InitializeBitsets;<\n>
<endif>
end.>>

delegatedRuleDeclaration(ruleDescriptor) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
function <ruleDescriptor.name>(<ruleDescriptor.parameterScope:parameterScope(scope=it)>):
I<returnType()>;<\n>
<else>

```

```

<if(ruleDescriptor.hasSingleReturnValue)>
function <ruleDescriptor.name>(<ruleDescriptor.parameterScope:parameterScope(scope=it)>):
<returnType()>;<\n>
<else>
procedure <ruleDescriptor.name>(<ruleDescriptor.parameterScope:parameterScope(scope=it)>);<\n>
<endif>
<endif>
>>

delegatedRuleImplementation(ruleDescriptor) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
function
T<grammar.recognizerName>.<ruleDescriptor.name>(<ruleDescriptor.parameterScope:parameterScope(scope=it)>
): I<returnType()>;<\n>
<else>
<if(ruleDescriptor.hasSingleReturnValue)>
function
T<grammar.recognizerName>.<ruleDescriptor.name>(<ruleDescriptor.parameterScope:parameterScope(scope=it)>
): <returnType()>;<\n>
<else>
procedure
T<grammar.recognizerName>.<ruleDescriptor.name>(<ruleDescriptor.parameterScope:parameterScope(scope=it)>
);<\n>
<endif>
<endif>
begin
<if(ruleDescriptor.hasReturnValue)>Result :=<endif>
T<ruleDescriptor.grammar.recognizerName>(<ruleDescriptor.grammar:delegateName()>.Implementor).<ruleDescri
ptor.name>(<ruleDescriptor.parameterScope.attributes: { a|<a.name> }; separator=" , ">);
end;

>>

parserCtorBody() ::= <<
InitializeCyclicDFAs;
<if(memoize)>
<if(grammar.grammarIsRoot)>
State.RuleMemoCount := <length(grammar.allImportedRules)>+1;<\n> <! index from 1..n !>
<endif>
<endif>
<grammar.delegators: { g|<g:delegateName()> := Pointer(A<g:delegateName()>); separator="\n">
>>

parser(grammar, name, scopes, tokens, tokenNames, rules, numRules, bitsets, ASTLabelType, superClass="Parser",
labelType="Token", members={<actions.parser.members>}) ::= <<
<genericParser(inputStreamType="ITokenStream", rewriteElementType="Token", ...)>
>>

```

```

/** How to generate a tree parser; same as parser except the input
 * stream is a different type.
 */
treeParser(grammar, name, scopes, tokens, tokenNames, globalAction, rules, numRules, bitsets,
labelType={ <ASTLabelType> }, ASTLabelType="object", superClass="TreeParser",
members={ <actions.treeparser.members> }, filterMode) ::= <<
<genericParser(inputStreamType="ITreeNodeStream", rewriteElementType="Node", ...)>
>>

/** A simpler version of a rule template that is specific to the imaginary
 * rules created for syntactic predicates. As they never have return values
 * nor parameters etc..., just give simplest possible method. Don't do
 * any of the normal memoization stuff in here either; it's a waste.
 * As predicates cannot be inlined into the invoking rule, they need to
 * be in a rule by themselves.
 */
synpredRule(ruleName, ruleDescriptor, block, description, nakedBlock) ::=
<<
// $ANTLR start "<ruleName>"
procedure
T<grammar.recognizerName>.<ruleName>_fragment(<ruleDescriptor.parameterScope:parameterScope(scope=it)>)
;
var
Alt: array [0..<grammar.numberOfDecisions>] of Integer;
<ruleLabelDefVars()>
begin
<ruleLabelDefs()>
<if(trace)>
TraceIn('<ruleName>_fragment', <ruleDescriptor.index>);
try
<block>
finally
TraceOut('<ruleName>_fragment', <ruleDescriptor.index>);
end;
<else>
<block>
<endif>
end;
// $ANTLR end "<ruleName>"
>>

synpredDecls(name) ::= <<
SynPredPointer <name>;<\n>
>>

synpred(name) ::= <<

function T<grammar.recognizerName>.<name>: Boolean;

```

```

var
 Start: Integer;
 Success: Boolean;
begin
 State.Backtracking := State.Backtracking + 1;
 <@start(>
 Start := Input.Mark;
 try
 <name>_fragment(); // can never throw exception
 except
 on RE: ERecognitionException do
 WriteLn('Impossible: ' + RE.ToString);
 end;
 Success := not State.Failed;
 Input.Rewind(Start);
 <@stop(>
 State.Backtracking := State.Backtracking - 1;
 State.Failed := False;
 Result := Success;
end;<\n>
>>

lexerSynpred(name) ::= <<
<synpred(name)>
>>

lexerSynpredDeclaration(name) ::= <<
function <name>: Boolean;
procedure <name>_fragment;
>>

synpredDeclaration(name) ::= <<
function <name>: Boolean;
procedure <name>_fragment;
>>

ruleMemoization(name) ::= <<
<if(memoize)>
if ((State.Backtracking > 0) and AlreadyParsedRule(Input, <ruleDescriptor.index>)) then
 Exit(<ruleReturnValue(>);
<endif>
>>

/** How to test for failure and return from rule */
checkRuleBacktrackFailure() ::= <<
<if(backtracking)><\n>if (State.Failed) then Exit(<ruleReturnValue(>);<\n><endif>
>>

```

```

/** This rule has failed, exit indicating failure during backtrack */
ruleBacktrackFailure() ::= <<
<if(backtracking)>if (State.Backtracking > 0) then
begin
 State.Failed := True;
 Exit(<ruleReturnValue(>);
end;<endif>
>>

genericParserRuleDeclaration(rule, ruleDescriptor) ::= <<
<if(ruleDescriptor.isSynPred)>
<else>
<ruleAttributeScopeDeclaration(scope=ruleDescriptor.ruleScope)>
<returnScopeDeclaration(scope=ruleDescriptor.returnScope)>
public
<if(ruleDescriptor.hasMultipleReturnValues)>
 function <rule.ruleName>: I<returnType(>;<\n>
<else>
<if(ruleDescriptor.hasSingleReturnValue)>
 function <rule.ruleName>: <returnType(>;<\n>
<else>
 procedure <rule.ruleName>;<\n>
<endif>
<endif>
<endif>
>>

genericParserRuleInterface(rule, ruleDescriptor) ::= <<
<if(ruleDescriptor.isSynPred)>
<else>
<if(ruleDescriptor.hasMultipleReturnValues)>
function <rule.ruleName>: I<returnType(>;<\n>
<else>
<if(ruleDescriptor.hasSingleReturnValue)>
function <rule.ruleName>: <returnType(>;<\n>
<else>
procedure <rule.ruleName>;<\n>
<endif>
<endif>
<endif>
>>

genericParserRuleReturnType(rule, ruleDescriptor) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(ruleDescriptor.isSynPred)>
<else>
I<returnType(> = interface(I<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope)
end;<\n>

```

```

<endif>
<endif>
>>

/** How to generate code for a rule. This includes any return type
 * data aggregates required for multiple return values.
 */
rule(ruleName,ruleDescriptor,block,emptyRule,description,exceptions,finally,memoize) ::= <<
<ruleAttributeScope(scope=ruleDescriptor.ruleScope)>
<returnScope(scope=ruleDescriptor.returnScope)>

// $ANTLR start "<ruleName>"
(* <fileName>:<description> *)
<if(ruleDescriptor.hasMultipleReturnValues)>
function T<grammar.recognizerName>.<ruleName>(<ruleDescriptor.parameterScope:parameterScope(scope=it)>):
I<returnType()>;
<else>
<if(ruleDescriptor.hasSingleReturnValue)>
function T<grammar.recognizerName>.<ruleName>(<ruleDescriptor.parameterScope:parameterScope(scope=it)>):
<returnType()>;
<else>
procedure
T<grammar.recognizerName>.<ruleName>(<ruleDescriptor.parameterScope:parameterScope(scope=it)>);
<endif>
<endif>

var
<ruleDescriptor.actions.vars>
Locals: TLocalStorage;
<if(ruleDescriptor.hasMultipleReturnValues)>
RetVal: I<returnType()>;<\n>
<else>
<if(ruleDescriptor.hasSingleReturnValue)>
RetVal: <returnType()>;<\n>
<else>
<endif>
<endif>
Alt: array [0..<grammar.numberOfDecisions>] of Integer;
<ruleDeclarationVars()>
<ruleLabelDefVars()>
begin
Locals.Initialize;
try
<if(trace)>TraceIn('<ruleName>', <ruleDescriptor.index>);<endif>
<ruleScopeSetUp()>
<ruleDeclarations()>
<ruleLabelDefs()>
<ruleDescriptor.actions.init>

```

```

<@preamble()>
try
 try
 <ruleMemoization(name=ruleName)>
 <block>
 <ruleCleanUp()>
 <(ruleDescriptor.actions.after):execAction()>
<if(exceptions)>
 <exceptions: { e|<catch(decl=e.decl,action=e.action)><\n}> }>
<else>
<if(!emptyRule)>
<if(actions.(actionScope).rulecatch)>
 <actions.(actionScope).rulecatch>
<else>
 except
 on RE: ERecognitionException do
 begin
 ReportError(RE);
 Recover(Input,RE);
 <@setErrorReturnValue()>
 end;<\n>
<endif>
<endif>
<endif>
 end;
 finally
 <if(trace)>TraceOut("<ruleName>", <ruleDescriptor.index>);<endif>
 <memoize()>
 <ruleScopeCleanUp()>
 <finally>
 end;
 <@postamble()>
 finally
 Locals.Finalize;
 end;
 Exit(<ruleReturnValue()>);
end;
// $ANTLR end "<ruleName>"
>>

catch(decl,action) ::= <<
catch (<e.decl>)
{
 <e.action>
}
>>

ruleDeclarations() ::= <<

```

```

<if(ruleDescriptor.hasMultipleReturnValues)>
RetVal := T<returnType().Create;
RetVal.Start := Input.LT(1);<\n>
<else>
<ruleDescriptor.returnScope.attributes: { a |
<a.name> := <if(a.initValue)><a.initValue><else><initValue(a.type)><endif>;
}>
<endif>
<if(memoize)>
<ruleDescriptor.name>_StartIndex := Input.Index();
<endif>
>>

ruleDeclarationVars() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<else>
<ruleDescriptor.returnScope.attributes: { a |
<a.name>: <a.type>;
}>
<endif>
<if(memoize)>
<ruleDescriptor.name>_StartIndex: Integer;
<endif>
>>

ruleScopeSetUp() ::= <<
<ruleDescriptor.useScopes: {<it>Stack.Push(T<it>Scope.Create);}; separator="\n">
<ruleDescriptor.ruleScope: {<it.name>Stack.Push(T<it.name>Scope.Create);}; separator="\n">
>>

ruleScopeCleanUp() ::= <<
<ruleDescriptor.useScopes: {<it>Stack.Pop();}; separator="\n">
<ruleDescriptor.ruleScope: {<it.name>Stack.Pop();}; separator="\n">
>>

ruleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels]: {<it.label.text> := nil;}; separator="\n">
<[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels]: {list_<it.label.text> := nil;}; separator="\n">
<ruleDescriptor.ruleLabels:ruleLabelDef(label=it); separator="\n">
<ruleDescriptor.ruleListLabels: {ll<ll.label.text> := nil;}; separator="\n">
>>

ruleLabelDefVars() ::= <<
<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels]: {<it.label.text>: I<labelType>;}; separator="\n">
<[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels]: {list_<it.label.text>: IList<IANTLRInterface>;};
separator="\n">
<ruleDescriptor.ruleLabels:ruleLabelDefVar(label=it); separator="\n">
<ruleDescriptor.ruleListLabels: {ll<ll.label.text>: <ruleLabelType(referencedRule=ll.referencedRule)>;};

```



```
separator="\n">
```

```
>>
```

```
lexerRuleLabelDefs() ::= <<
```

```
<[ruleDescriptor.tokenLabels,
```

```
ruleDescriptor.tokenListLabels,
```

```
ruleDescriptor.ruleLabels]
```

```
:{<it.label.text> := nil;}; separator="\n"
```

```
>
```

```
<ruleDescriptor.charLabels:{int <it.label.text>;}; separator="\n">
```

```
<[ruleDescriptor.tokenListLabels,
```

```
ruleDescriptor.ruleListLabels,
```

```
ruleDescriptor.ruleListLabels]
```

```
:{List_<it.label.text> := nil;}; separator="\n"
```

```
>
```

```
>>
```

```
lexerRuleLabelDefDeclarations() ::= <<
```

```
<[ruleDescriptor.tokenLabels,
```

```
ruleDescriptor.tokenListLabels,
```

```
ruleDescriptor.ruleLabels]
```

```
:{<it.label.text>: I<labelType>;}; separator="\n"
```

```
>
```

```
<ruleDescriptor.charLabels:{int <it.label.text>;}; separator="\n">
```

```
<[ruleDescriptor.tokenListLabels,
```

```
ruleDescriptor.ruleListLabels,
```

```
ruleDescriptor.ruleListLabels]
```

```
:{List_<it.label.text>: IList;}; separator="\n"
```

```
>
```

```
>>
```

```
ruleReturnValue() ::= <<
```

```
<if(!ruleDescriptor.isSynPred)>
```

```
<if(ruleDescriptor.hasReturnValue)>
```

```
<if(ruleDescriptor.hasSingleReturnValue)>
```

```
<ruleDescriptor.singleValueReturnName>
```

```
<else>
```

```
RetVal
```

```
<endif>
```

```
<else>
```

```
<! nil !>
```

```
<endif>
```

```
<endif>
```

```
>>
```

```
ruleCleanUp() ::= <<
```

```
<if(ruleDescriptor.hasMultipleReturnValues)>
```

```
<if(!TREE_PARSER)>
```

```

RetVal.Stop := Input.LT(-1);
<endif>
<endif>
>>

memoize() ::= <<
<if(memoize)>
<if(backtracking)>
if (State.Backtracking > 0) then
Memoize(Input, <ruleDescriptor.index>, <ruleDescriptor.name>_StartIndex);
<endif>
<endif>
>>

/** How to generate a rule in the lexer; naked blocks are used for
 * fragment rules.
 */
lexerRule(ruleName,nakedBlock,ruleDescriptor,block,memoize) ::= <<
// $ANTLR start "<ruleName>"
<ruleDescriptor.parameterScope>
procedure
T<grammar.recognizerName>.m<ruleName>(<ruleDescriptor.parameterScope:parameterScope(scope=it)>);
var
<ruleDescriptor.actions.vars>
Locals: TLocalStorage;
TokenType, Channel: Integer;
Alt: array [0..<grammar.numberOfDecisions>] of Integer;
<lexerRuleLabelDefDeclarations()>
begin
Locals.Initialize;
try
<ruleAttributeScope(scope=ruleDescriptor.ruleScope)>
<if(trace)>TraceIn("<ruleName>", <ruleDescriptor.index>);<endif>
<ruleScopeSetUp()>
<ruleDeclarations()>
try
<if(nakedBlock)>
<ruleMemoization(name=ruleName)>
<lexerRuleLabelDefs()>
<ruleDescriptor.actions.init>
<block><\n>
<else>
TokenType := <ruleName>;
Channel := DEFAULT_TOKEN_CHANNEL;
<ruleMemoization(name=ruleName)>
<lexerRuleLabelDefs()>
<ruleDescriptor.actions.init>
<block>

```

```

 <ruleCleanUp()>
 State.TokenType := TokenType;
 State.Channel := Channel;
 <(ruleDescriptor.actions.after):execAction()>
<endif>
 finally
 <if(trace)>TraceOut("<ruleName>", <ruleDescriptor.index>);<endif>
 <ruleScopeCleanUp()>
 <memoize()>
 end;
 finally
 Locals.Finalize;
 end;
end;
// $ANTLR end "<ruleName>"
>>

```

```

/** How to generate code for the implicitly-defined lexer grammar rule
 * that chooses between lexer rules.
 */

```

```

*/
tokensRule(ruleName,nakedBlock,args,block,ruleDescriptor) ::= <<
procedure T<grammar.recognizerName>.mTokens;
var
 Alt: array [0..<grammar.numberOfDecisions>] of Integer;
begin
 <block>
end;

procedure T<grammar.recognizerName>.DoTokens;
begin
 mTokens;
end;
>>

```

```

// S U B R U L E S

```

```

/** A (...) subrule with multiple alternatives */
block(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
(* <fileName>:<description> *)
Alt[<decisionNumber>] := <maxAlt>;
<decls>
<@predecision()>
<decision>
<@postdecision()>
<@prebranch()>
case Alt[<decisionNumber>] of
 <alts:altSwitchCase()>
end;

```

```

<@postbranch(>
>>

/** A rule block with multiple alternatives */
ruleBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
(* <fileName>:<description> *)
Alt[<decisionNumber>] := <maxAlt>;
<decls>
<@predecision(>
<decision>
<@postdecision(>
case Alt[<decisionNumber>] of
<alts:altSwitchCase(>
end;
>>

ruleBlockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
(* <fileName>:<description> *)
<decls>
<@prealt(>
<alts>
<@postalt(>
>>

/** A special case of a (...) subrule with a single alternative */
blockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
(* <fileName>:<description> *)
<decls>
<@prealt(>
<alts>
<@postalt(>
>>

/** A (..)+ block with 1 or more alternatives */
positiveClosureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
(* <fileName>:<description> *)
FCnt[<decisionNumber>] := 0;
<decls>
<@preloop(>
while (True) do
begin
Alt[<decisionNumber>] := <maxAlt>;
<@predecision(>
<decision>
<@postdecision(>
case Alt[<decisionNumber>] of
<alts:altSwitchCase(>

```

```

else
 begin
 if (FCnt[<decisionNumber>] >= 1) then
 Break;
 <ruleBacktrackFailure()>
 raise EEarlyExitException.Create(<decisionNumber>, Input);
 <@earlyExitException()>
 end;
 end;
 Inc(FCnt[<decisionNumber>]);
end;
<@postloop()>
>>

```

```

positiveClosureBlockSingleAlt ::= positiveClosureBlock

```

```

/** A (..)* block with 1 or more alternatives */

```

```

closureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::=

```

```

<<

```

```

(* <fileName>:<description> *)

```

```

<decls>

```

```

<@preloop()>

```

```

while (True) do

```

```

 begin

```

```

 Alt[<decisionNumber>] := <maxAlt>;

```

```

 <@predecision()>

```

```

 <decision>

```

```

 <@postdecision()>

```

```

 case Alt[<decisionNumber>] of

```

```

 <alts:altSwitchCase()>

```

```

 else

```

```

 Break;

```

```

 end;

```

```

 end;

```

```

 <@postloop()>

```

```

>>

```

```

closureBlockSingleAlt ::= closureBlock

```

```

/** Optional blocks (x)? are translated to (x|) by before code generation

```

```

* so we can just use the normal block template

```

```

*/

```

```

optionalBlock ::= block

```

```

optionalBlockSingleAlt ::= block

```

```

/** A case in a switch that jumps to an alternative given the alternative

```

```

* number. A DFA predicts the alternative and then a simple switch

```

```

* does the jump to the code that actually matches that alternative.
*/
altSwitchCase() ::= <<
<i>:
<@prealt()>
<it><\n>
>>

/** An alternative is just a list of elements; at outermost level */
alt(elements,altNum,description,autoAST,outerAlt,treeLevel,rew) ::= <<
(* <fileName>:<description> *)
begin
<@declarations()>
<elements:element()>
<rew>
<@cleanup()>
end;
>>

/** What to emit when there is no rewrite. For auto build
* mode, does nothing.
*/
noRewrite(rewriteBlockLevel, treeLevel) ::= ""

// E L E M E N T S

/** Dump the elements one per line */
element() ::= <<
<@prematch()>
<it.el>
>>

/** match a token optionally with a label in front */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
<if(label)><label> := <endif>Match(Input, <token>,
FOLLOW_<token>_in_<ruleName><elementIndex>)<if(label)> as
I<labelType><endif>;<\n><checkRuleBacktrackFailure()>
>>

/** ids+=ID */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

listLabel(label,elem) ::= <<
if (list_<label> = nil) then list_<label> := TList<\<IANTLRInterface>\>.Create;
list_<label>.Add(<elem>);<\n>

```

```

>>

/** match a character */
charRef(char,label) ::= <<
<if(label)>
<label> := Input.LA(1);<\n>
<endif>
Match(<char>); <checkRuleBacktrackFailure()>
>>

/** match a character range */
charRangeRef(a,b,label) ::= <<
<if(label)>
<label> := Input.LA(1);<\n>
<endif>
MatchRange(<a>,); <checkRuleBacktrackFailure()>
>>

/** For now, sets are interval tests and must be tested inline */
matchSet(s,label,elementIndex,postmatchCode="") ::= <<
<if(label)>
<if(LEXER)>
<label> := Input.LA(1);<\n>
<else>
<label> := Input.LT(1) as I<labelType>;<\n>
<endif>
<endif>
if (<s>) then
begin
Input.Consume;
<postmatchCode>
<if(!LEXER)>
State.ErrorRecovery := False;<endif>
<if(backtracking)>State.Failed := False;<endif>
end
else
begin
<ruleBacktrackFailure()>
FException := EMismatchedSetException.Create(nil, Input);
<@mismatchedSetException()>
<if(LEXER)>
Recover(FException);
raise FException;<\n>
<else>
raise FException;
<! use following code to make it recover inline; remove throw mse;
RecoverFromMismatchedSet(input,mse,FOLLOW_set_in_<ruleName><elementIndex>);
!>

```

```

<endif>
end;<\n>
>>

matchRuleBlockSet ::= matchSet

matchSetAndListLabel(s,label,elementIndex,postmatchCode) ::= <<
<matchSet(...)>
<listLabel(elem=label,...)>
>>

/** Match a string literal */
lexerStringRef(string,label,elementIndex) ::= <<
<if(label)>
Locals.AsInteger['<label>Start'] := CharIndex;
Match(<string>); <checkRuleBacktrackFailure()>
<label> := TCommonToken.Create(Input, TToken.INVALID_TOKEN_TYPE, TToken.DEFAULT_CHANNEL,
Locals.AsInteger['<label>Start'], CharIndex-1);
<else>
Match(<string>); <checkRuleBacktrackFailure()>
<endif>
>>

wildcard(label,elementIndex) ::= <<
<if(label)>
<label> := Input.LT(1) as I<labelType>;<\n>
<endif>
MatchAny(input); <checkRuleBacktrackFailure()>
>>

wildcardAndListLabel(label,elementIndex) ::= <<
<wildcard(...)>
<listLabel(elem=label,...)>
>>

/** Match . wildcard in lexer */
wildcardChar(label, elementIndex) ::= <<
<if(label)>
<label> := Input.LA(1);<\n>
<endif>
MatchAny(); <checkRuleBacktrackFailure()>
>>

wildcardCharListLabel(label, elementIndex) ::= <<
<wildcardChar(...)>
<listLabel(elem=label,...)>
>>

```



```

/** Match a rule reference by invoking it possibly with arguments
 * and a return value or values. The 'rule' argument was the
 * target rule name, but now is type Rule, whose toString is
 * same: the rule name. Now though you can access full rule
 * descriptor stuff.
 */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
PushFollow(FOLLOW_<rule.name>_in_<ruleName><elementIndex>);
<if(label)>
<label> := <if(scope)><scope:delegateName().<endif><rule.name>(<args; separator=", ">);<\n>
<else>
<if(scope)>T<scope.recognizerName>(IANTLRObject(<scope:delegateName()>).Implementor).<endif><rule.name>
>(<args; separator=", ">);<\n>
<endif>
State.FollowingStackPointer := State.FollowingStackPointer - 1;
<checkRuleBacktrackFailure()>
>>

/** ids+=r */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(elem=label,...)>
>>

/** A lexer rule reference.
 *
 * The 'rule' argument was the target rule name, but now
 * is type Rule, whose toString is same: the rule name.
 * Now though you can access full rule descriptor stuff.
 */
lexerRuleRef(rule,label,args,elementIndex,scope) ::= <<
<if(label)>
Locals.AsInteger['<label>Start<elementIndex>'] := CharIndex;
<if(scope)><scope:delegateName().<endif>m<rule.name>(<args; separator=", ">);
<checkRuleBacktrackFailure()>
<label> := TCommonToken.Create(Input, TToken.INVALID_TOKEN_TYPE, TToken.DEFAULT_CHANNEL,
Locals.AsInteger['<label>Start<elementIndex>'], CharIndex - 1);
<else>
<if(scope)><scope:delegateName().Implementor as T<scope.recognizerName>.<endif>m<rule.name>(<args;
separator=", ">); <checkRuleBacktrackFailure()>
<endif>
>>

/** i+=INT in lexer */
lexerRuleRefAndListLabel(rule,label,args,elementIndex,scope) ::= <<
<lexerRuleRef(...)>
<listLabel(elem=label,...)>
>>

```

```

/** EOF in the lexer */
lexerMatchEOF(label,elementIndex) ::= <<
<if(label)>
Locals.AsInteger['<label>Start<elementIndex>'] := CharIndex;
Match(EOF); <checkRuleBacktrackFailure()>
Locals['<label>'] := TCommonToken.Create(Input, EOF, TToken.DEFAULT_CHANNEL,
Locals.AsInteger['<label>Start<elementIndex>'], CharIndex-1);
<else>
Match(EOF); <checkRuleBacktrackFailure()>
<endif>
>>

```

```

/** match ^(root children) in tree parser */
tree(root, actionsAfterRoot, children, nullableChildList,
enclosingTreeLevel, treeLevel) ::= <<
<root:element()>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if (Input.LA(1) = TToken.DOWN) then
begin
Match(Input, TToken.DOWN, nil); <checkRuleBacktrackFailure()>
<children:element()>
Match(Input, TToken.UP, nil); <checkRuleBacktrackFailure()>
end;
<else>
Match(Input, TToken.DOWN, nil); <checkRuleBacktrackFailure()>
<children:element()>
Match(Input, TToken.UP, nil);<\n><checkRuleBacktrackFailure()>
<endif>
>>

```

```

/** Every predicate is used as a validating predicate (even when it is
* also hoisted into a prediction expression).
*/
validateSemanticPredicate(pred,description) ::= <<
if (not (<evalPredicate(...)>)) then
begin
<ruleBacktrackFailure()>
raise EFailedPredicateException.Create(Input, '<ruleName>', '<description>');
end;<\n>
>>

```

```

// F i x e d D F A (if-then-else)

```

```

dfaState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
FLA[<decisionNumber>,<stateNumber>] := Input.LA(<k>);<\n>
<edges; separator="\nelse ">

```

```

else
begin
<if(eotPredictsAlt)>
 Alt[<decisionNumber>] := <eotPredictsAlt>;<\n>
<else>
 <ruleBacktrackFailure()>
 raise ENoViableAltException.Create('<description>', <decisionNumber>, <stateNumber>, Input);<\n>
<endif>
end;
>>

```

```

/** Same as a normal DFA state except that we don't examine lookahead
 * for the bypass alternative. It delays error detection but this
 * is faster, smaller, and more what people expect. For (X)? people
 * expect "if (LA(1)==X) match(X);" and that's it.
 */
dfaOptionalBlockState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
FLA[<decisionNumber>,<stateNumber>] := Input.LA(<k>);<\n>
<edges; separator="\nelse ">;
>>

```

```

/** A DFA state that is actually the loopback decision of a closure
 * loop. If end-of-token (EOT) predicts any of the targets then it
 * should act like a default clause (i.e., no error can be generated).
 * This is used only in the lexer so that for ('a')* on the end of a rule
 * anything other than 'a' predicts exiting.
 */
dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
FLA[<decisionNumber>,<stateNumber>] := Input.LA(<k>);
<edges; separator="\nelse ">;<\n>
<if(eotPredictsAlt)>
<if(!edges)>
Alt[<decisionNumber>] := <eotPredictsAlt>; <! if no edges, don't gen ELSE !>
<else>
else
begin
 Alt[<decisionNumber>] := <eotPredictsAlt>;
end;<\n>
<endif>
<endif>
>>

```

```

/** An accept state indicates a unique alternative has been predicted */
dfaAcceptState(alt) ::= "Alt[<decisionNumber>] := <alt>;"

```

```

/** A simple edge with an expression. If the expression is satisfied,
 * enter to the target state. To handle gated productions, we may
 * have to evaluate some predicates for this edge.

```

```

*/
dfaEdge(labelExpr, targetState, predicates) ::= <<
if ((<labelExpr>)<if(predicates)> and (<predicates>)<endif>) then
begin
 <targetState>
end <! no ; here !>
>>

// F i x e d D F A (switch case)

/** A DFA state where a SWITCH may be generated. The code generator
 * decides if this is possible: CodeGenerator.canGenerateSwitch().
 */
dfaStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
case Input.LA(<k>) of
 <edges; separator="\n">
else
begin
 <if(eotPredictsAlt)>
 Alt[<decisionNumber>] := <eotPredictsAlt>;
 <else>
 <ruleBacktrackFailure()>
 <@noViableAltException()>
 raise ENoViableAltException.Create('<description>', <decisionNumber>, <stateNumber>, Input);<\n>
 <endif>
end;
end;<\n>
>>

dfaOptionalBlockStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
case Input.LA(<k>) of
 <edges; separator="\n">
end;<\n>
>>

dfaLoopbackStateSwitch(k, edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
case Input.LA(<k>) of
 <edges; separator="\n"><\n>
 <if(eotPredictsAlt)>
else
 Alt[<decisionNumber>] := <eotPredictsAlt>;<\n>
 <endif>
end;<\n>
>>

dfaEdgeSwitch(labels, targetState) ::= <<
<labels:{<it>}; separator=",\n">:
begin

```

```

 <targetState>
end;
>>

// C y c l i c D F A

/** The code to initiate execution of a cyclic DFA; this is used
 * in the rule to predict an alt just like the fixed DFA case.
 * The <name> attribute is inherited via the parser, lexer, ...
 */
dfaDecision(decisionNumber,description) ::= <<
Alt[<decisionNumber>] := FDFA<decisionNumber>.Predict(Input);
>>

/* Dump DFA tables.
 */
cyclicDFADeclaration(dfa) ::= <<
strict protected
type
 TDFA<dfa.decisionNumber> = class(TDFA)
protected
 { IDFA }
 function Description: String; override;
public
 constructor Create(const ARecognizer: IBaseRecognizer);
end;
var
 FDFA<dfa.decisionNumber>: IDFA;
<if(dfa.specialStateSTs)>
strict protected
function DFA<dfa.decisionNumber>_SpecialStateTransition(const DFA: IDFA; S: Integer;
 const AInput: IIntStream): Integer;<endif>
>>

cyclicDFA(dfa) ::= <<
{ T<grammar.recognizerName>.TDFA<dfa.decisionNumber> }

constructor T<grammar.recognizerName>.TDFA<dfa.decisionNumber>.Create(const ARecognizer:
IBaseRecognizer);
const
DFA<dfa.decisionNumber>_EOT = '<dfa.javaCompressedEOT; wrap="'+\n "'>';
DFA<dfa.decisionNumber>_EOF = '<dfa.javaCompressedEOF; wrap="'+\n "'>';
DFA<dfa.decisionNumber>_MIN = '<dfa.javaCompressedMin; wrap="'+\n "'>';
DFA<dfa.decisionNumber>_MAX = '<dfa.javaCompressedMax; wrap="'+\n "'>';
DFA<dfa.decisionNumber>_ACCEPT = '<dfa.javaCompressedAccept; wrap="'+\n "'>';
DFA<dfa.decisionNumber>_SPECIAL = '<dfa.javaCompressedSpecial; wrap="'+\n "'>';
DFA<dfa.decisionNumber>_TRANSITION: array [0..<length(dfa.javaCompressedTransition)>-1] of String = (
 <dfa.javaCompressedTransition: {s|<s; wrap="'+\n"'>'}; separator=",\n">);

```

```

begin
 inherited Create;
 Recognizer := ARecognizer;
 DecisionNumber := <dfa.decisionNumber>;
 EOT := TDFA.UnpackEncodedString(DFA<dfa.decisionNumber>_EOT);
 EOF := TDFA.UnpackEncodedString(DFA<dfa.decisionNumber>_EOF);
 Min := TDFA.UnpackEncodedStringToUnsignedChars(DFA<dfa.decisionNumber>_MIN);
 Max := TDFA.UnpackEncodedStringToUnsignedChars(DFA<dfa.decisionNumber>_MAX);
 Accept := TDFA.UnpackEncodedString(DFA<dfa.decisionNumber>_ACCEPT);
 Special := TDFA.UnpackEncodedString(DFA<dfa.decisionNumber>_SPECIAL);
 Transition := TDFA.UnpackEncodedStringArray(DFA<dfa.decisionNumber>_TRANSITION);
end;

function T<grammar.recognizerName>.TDFA<dfa.decisionNumber>.Description: String;
begin
 Result := '<dfa.description>';
end;<\n>
<if(dfa.specialStateSTs)>
function T<grammar.recognizerName>.DFA<dfa.decisionNumber>_SpecialStateTransition(const DFA: IDFA; S:
Integer;
const AInput: IIntStream): Integer;
var
 Locals: TLocalStorage;
 <if(LEXER)>
 Input: IIntStream;
 <endif>
 <if(PARSER)>
 Input: ITokenStream;
 <endif>
 <if(TREE_PARSER)>
 Input: ITreeNodeStream;
 <endif>
 _S: Integer;
 NVAE: ENoViableAltException;
begin
 Result := -1;
 Locals.Initialize;
 try
 <if(LEXER)>
 Input := AInput;
 <endif>
 <if(PARSER)>
 Input := AInput as ITokenStream;
 <endif>
 <if(TREE_PARSER)>
 Input := AInput as ITreeNodeStream;
 <endif>
 _S := S;

```

```

case S of
 <dfa.specialStateSTs:{state | <i0>: begin<! compressed special state numbers 0..n-1 !>
 <state> <\n> end;}; separator="\n">
 end;
<if(backtracking)>
 if (State.Backtracking > 0) then
 begin
 State.Failed := True;
 Exit(-1);
 end;<\n>
<endif>
 NVAE := ENoViableAltException.Create(DFA.Description, <dfa.decisionNumber>, _S, Input);
 DFA.Error(NVAE);
 raise NVAE;
finally
 Locals.Finalize;
end;
end;<\n>
<endif>
>>

/** A state in a cyclic DFA; it's a special state and part of a big switch on
 * state.
 */
cyclicDFAState(decisionNumber,stateNumber,edges,needErrorClause,semPredState) ::= <<
FLA[<decisionNumber>,<stateNumber>] := Input.LA(1);<\n>
<if(semPredState)> <! get next lookahead symbol to test edges, then rewind !>
Locals.AsInteger['index<decisionNumber>_<stateNumber>'] := Input.Index;
Input.Rewind;<\n>
<endif>
S := -1;
<edges; separator="\nelse ">;
<if(semPredState)> <! return input cursor to state before we rewound !>
Input.Seek(Locals.AsInteger['index<decisionNumber>_<stateNumber>']);<\n>
<endif>
if (S >= 0) then
 Exit(S);
>>

/** Just like a fixed DFA edge, test the lookahead and indicate what
 * state to jump to next if successful.
 */
cyclicDFAEdge(labelExpr, targetStateNumber, edgeNumber, predicates) ::= <<
if ((<labelExpr>)<if(predicates)> and (<predicates>)<endif>) then
 S := <targetStateNumber>
>>

/** An edge pointing at end-of-token; essentially matches any char;

```

```

* always jump to the target.
*/
eotDFAEdge(targetStateNumber,edgeNumber, predicates) ::= <<
S := <targetStateNumber>;<\n>
>>

// D F A E X P R E S S I O N S

andPredicates(left,right) ::= "((<left>) and (<right>))"

orPredicates(operands) ::= "<operands:{o|(<o>)}; separator=\" or \">"

notPredicate(pred) ::= "!(<evalPredicate(...)>)"

evalPredicate(pred,description) ::= "<pred>"

evalSynPredicate(pred,description) ::= "<pred>()"

lookaheadTest(atom,k,atomAsInt) ::= "FLA[<decisionNumber>,<stateNumber>] = <atomAsInt>"

/** Sometimes a lookahead test cannot assume that LA(k) is in a temp variable
* somewhere. Must ask for the lookahead directly.
*/
isolatedLookaheadTest(atom,k,atomAsInt) ::= "Input.LA(<k>) = <atomAsInt>"

lookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= <<
((FLA[<decisionNumber>,<stateNumber>] \>= <lowerAsInt>) and (FLA[<decisionNumber>,<stateNumber>] \<=
<upperAsInt>))
>>

isolatedLookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= "(Input.LA(<k>) \>=
<lowerAsInt>) and (Input.LA(<k>) \<= <upperAsInt>)"

setTest(ranges) ::= "<ranges; separator=\" or (\">"

// A T T R I B U T E S

globalAttributeScope(scope) ::= <<
<scope.name>Stack := TStackList<I<scope.name>Scope>.Create;<\n>
<endif>
>>

globalAttributeScopeDeclaration(scope) ::= <<
<if(scope.attributes)>
strict protected
type
I<scope.name>Scope = interface(IANTLROject)

```



```

end;
T<scope.name>Scope = class(TANTLRObjct, I<scope.name>Scope)
protected
 <scope.attributes:{<it.name>: <it.type>;}; separator="\n">
end;
strict protected
<scope.name>Stack: IStackList<I<scope.name>Scope>;
<endif>
>>

```

```

ruleAttributeScopeDeclaration(scope) ::= <<
<if(scope.attributes)>
strict protected
type
 I<scope.name>Scope = interface(IANTLRObjct)
 end;
 T<scope.name>Scope = class(TANTLRObjct, I<scope.name>Scope)
 protected
 <scope.attributes:{<it.name>: <it.type>;}; separator="\n">
 end;
strict protected
 <scope.name>Stack: IStackList<I<scope.name>Scope>;
<endif>
>>

```

```

ruleAttributeScope(scope) ::= <<
<! protected Stack <scope.name>Stack = new Stack();<\n !>
>>

```

```

ruleAttributeScopeInit(scope) ::= <<
<if(scope)>
<scope.name>Stack := TStackList<I<scope.name>Scope>.Create;<\n>
<endif>
>>

```

```

returnStructName() ::= "<it.name>_return"

```

```

returnType() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<ruleDescriptor:returnStructName()>
<! I<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope !>
<else>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnType>
<else>
<! Pointer/void !>
<endif>
<endif>

```

```

>>

/** Generate the C# type associated with a single or multiple return
 * values.
 */
ruleLabelType(referencedRule) ::= <<
<if(referencedRule.hasMultipleReturnValues)>
I<referencedRule.name>_return
<else>
<if(referencedRule.hasSingleReturnValue)>
<referencedRule.singleValueReturnType>
<else>
void
<endif>
<endif>
>>

delegateName() ::= <<
<if(it.label)><it.label><else>g<it.name><endif>
>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
<csharpTypeInitMap.(typeName)>
>>

/** Define a rule label including default value */
ruleLabelDef(label) ::= <<
<label.label.text> := <initValue(typeName=ruleLabelType(referencedRule=label.referencedRule))>;<\n>
>>

ruleLabelDefVar(label) ::= <<
<label.label.text>: <ruleLabelType(referencedRule=label.referencedRule)>;
>>

/** Define a return struct for a rule if the code needs to access its
 * start/stop tokens, tree stuff, attributes, ... Leave a hole for
 * subgroups to stick in members.
 */
returnScope(scope) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
{ T<ruleDescriptor:returnStructName()> }

<scope.attributes:{public <it.decl>;}; separator="\n">
<@ruleReturnMembers()>
<endif>

```

>>

```
returnScopeDeclaration(scope) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
public
type
 T<ruleDescriptor:returnStructName()> =
class(T<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope, I<ruleDescriptor:returnStructName()>)
 <scope.attributes:{public <it.decl>;}; separator="\n">
 <@ruleReturnMembers()>
 end;
<endif>
>>
```

```
parameterScope(scope) ::= <<
<scope.attributes:{<it.decl>}; separator=", ">
>>
```

```
parameterAttributeRef(attr) ::= "<attr.name>"
parameterSetAttributeRef(attr,expr) ::= "<attr.name> := <expr>;"
```

```
scopeAttributeRef(scope,attr,index,negIndex) ::= <<
<if(negIndex)>
(<scope>Stack[<scope>Stack.Count-<negIndex>-1] as T<scope>Scope).<attr.name>
<else>
<if(index)>
(<scope>Stack[<index>] as T<scope>Scope).<attr.name>
((<scope>_scope)<scope>_stack[<index>]).<attr.name>
<else>
(<scope>Stack.Peek.Implementor as T<scope>Scope).<attr.name>
<endif>
<endif>
>>
```

```
scopeSetAttributeRef(scope,attr,expr,index,negIndex) ::= <<
<if(negIndex)>
(<scope>Stack[<scope>Stack.Count-<negIndex>-1] as T<scope>Scope).<attr.name> := <expr>;<\n>
<else>
<if(index)>
(<scope>Stack[<index>] as T<scope>Scope).<attr.name> := <expr>;<\n>
<else>
(<scope>Stack.Peek.Implementor as T<scope>Scope).<attr.name> := <expr>;<\n>
<endif>
<endif>
>>
```

/\*\* \$x is either global scope or x is rule with dynamic scope; refers

\* to stack itself not top of stack. This is useful for predicates

```

* like {$function.size()>0 && $function::name.equals("foo")}?
*/
isolatedDynamicScopeRef(scope) ::= "<scope>Stack"

/** reference an attribute of rule; might only have single return value */
ruleLabelRef(referencedRule,scope,attr) ::= <<
<if(referencedRule.hasMultipleReturnValues)>
(IfThen(Assigned(<scope>),Def(<scope>).<attr.name>,<initValue(attr.type)>))
<else>
<scope>
<endif>
>>

returnAttributeRef(ruleDescriptor,attr) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
RetVal.<attr.name>
<else>
<attr.name>
<endif>
>>

returnSetAttributeRef(ruleDescriptor,attr,expr) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
RetVal.<attr.name> := <expr>;
<else>
<attr.name> := <expr>;
<endif>
>>

/** How to translate $tokenLabel */
tokenLabelRef(label) ::= "<label>"

/** ids+=ID {$ids} or e+=expr {$e} */
listLabelRef(label) ::= "list_<label>"

// not sure the next are the right approach

tokenLabelPropertyRef_text(scope,attr) ::= "(Def(<scope>).Text)"
tokenLabelPropertyRef_type(scope,attr) ::= "(Def(<scope>).TokenType)"
tokenLabelPropertyRef_line(scope,attr) ::= "(Def(<scope>).Line)"
tokenLabelPropertyRef_pos(scope,attr) ::= "(Def(<scope>).CharPositionInLine)"
tokenLabelPropertyRef_channel(scope,attr) ::= "(Def(<scope>).Channel)"
tokenLabelPropertyRef_index(scope,attr) ::= "(Def(<scope>).TokenIndex)"
tokenLabelPropertyRef_tree(scope,attr) ::= "<scope>_tree"
tokenLabelPropertyRef_int(scope,attr) ::= "(StrToIntDef(Def(<scope>).Text,0))"

ruleLabelPropertyRef_start(scope,attr) ::= "(IfThen(Assigned(<scope>), Def(<scope>).Start, nil) as I<labelType>)"

```

```

ruleLabelPropertyRef_stop(scope,attr) ::= "(Def(<scope>).Stop as I<labelType>)"
ruleLabelPropertyRef_tree(scope,attr) ::= "(Def(Def(<scope>).Tree as I<ASTLabelType>))"
ruleLabelPropertyRef_text(scope,attr) ::= <<
<if(TREE_PARSER)>
IfThen(Assigned(<scope>), Input.TokenStream.ToString(
 Input.TreeAdaptor.GetTokenStartIndex(Def(<scope>).Start),
 Input.TreeAdaptor.GetTokenStopIndex(Def(<scope>).Start)), ")
<else>
IfThen(Assigned(<scope>), Input.ToString(
 (Def(<scope>).Start) as IToken,(Def(<scope>).Stop) as IToken), ")
<endif>
>>
ruleLabelPropertyRef_st(scope,attr) ::= "((<scope> != null) ? <scope>.ST : null)"

/** Isolated $RULE ref ok in lexer as it's a Token */
lexerRuleLabel(label) ::= "<label>"

lexerRuleLabelPropertyRef_type(scope,attr) ::= "(Def(<scope>).TokenType)"
lexerRuleLabelPropertyRef_line(scope,attr) ::= "(Def(<scope>).Line)"
lexerRuleLabelPropertyRef_pos(scope,attr) ::= "(IfThen(Assigned(<scope>),Def(<scope>).CharPositionInLine,-1))"
lexerRuleLabelPropertyRef_channel(scope,attr) ::= "(Def(<scope>).Channel)"
lexerRuleLabelPropertyRef_index(scope,attr) ::= "(Def(<scope>).TokenIndex)"
lexerRuleLabelPropertyRef_text(scope,attr) ::= "(Def(<scope>).Text)"
lexerRuleLabelPropertyRef_int(scope,attr) ::= "(StrToIntDef(Def(<scope>).Text,0))"

// Somebody may ref $template or $tree or $stop within a rule:
rulePropertyRef_start(scope,attr) ::= "(RetVal.Start as I<labelType>)"
rulePropertyRef_stop(scope,attr) ::= "(RetVal.Stop as I<labelType>)"
rulePropertyRef_tree(scope,attr) ::= "(RetVal.Tree as I<ASTLabelType>)"
rulePropertyRef_text(scope,attr) ::= <<
<if(TREE_PARSER)>
Input.TokenStream.ToString(
 Input.TreeAdaptor.GetTokenStartIndex(RetVal.Start),
 Input.TreeAdaptor.GetTokenStopIndex(RetVal.Start))
<else>
Input.ToString(RetVal.Start as IToken,Input.LT(-1))
<endif>
>>
rulePropertyRef_st(scope,attr) ::= "RetVal.ST"

lexerRulePropertyRef_text(scope,attr) ::= "Text"
lexerRulePropertyRef_type(scope,attr) ::= "TokenType"
lexerRulePropertyRef_line(scope,attr) ::= "State.TokenStartLine"
lexerRulePropertyRef_pos(scope,attr) ::= "State.TokenStartCharPositionInLine"
lexerRulePropertyRef_index(scope,attr) ::= "-1" // undefined token index in lexer
lexerRulePropertyRef_channel(scope,attr) ::= "Channel"
lexerRulePropertyRef_start(scope,attr) ::= "State.TokenStartCharIndex"
lexerRulePropertyRef_stop(scope,attr) ::= "(CharIndex-1)"

```

```

lexerRulePropertyRef_int(scope,attr) ::= "StrToInt(<scope>.Text)"

// setting $st and $tree is allowed in local rule. everything else
// is flagged as error
ruleSetPropertyRef_tree(scope,attr,expr) ::= "RetVal.Tree := <expr>;"
ruleSetPropertyRef_st(scope,attr,expr) ::= "RetVal.ST := <expr>;"

/** How to execute an action (only when not backtracking) */
execAction(action) ::= <<
<if(backtracking)>
<if(actions.(actionScope).synpredgate)>
if (<actions.(actionScope).synpredgate>) then
begin
 <action>
end;
<else>
if (State.Backtracking = 0) then
begin
 <action>
end;<\n>
<endif>
<else>
<action>
<endif>
>>

/** How to always execute an action even when backtracking */
execForcedAction(action) ::= "<action>"

// M I S C (properties, etc...)

bitset(name, words64) ::= <<
<name> := TBitSet.Create([<words64: {<it>} ;separator=",">]);<\n>
>>

bitsetDecl(name) ::= <<
<name>: IBitSet;<\n>
>>

codeFileExtension() ::= ".pas"

true() ::= "True"
false() ::= "False"

Found in path(s):
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-

```

jar/org/antlr/codegen/templates/Delphi/Delphi.stg

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\*/

/\*\* Template overrides to add debugging to AST stuff. Dynamic inheritance

\* hierarchy is set up as ASTDbg : AST : Dbg : Java by code generator.

\*/

parserMembers() ::= <<

// Implement this function in your helper file to use a custom tree adaptor

partial void InitializeTreeAdaptor();

protected DebugTreeAdaptor adaptor;

public ITreeAdaptor TreeAdaptor

{

get

{

```

 return adaptor;
}
set
{
<if(grammar.grammarIsRoot)>
 this.adaptor = new DebugTreeAdaptor(dbg,adaptor);
<else>
 this.adaptor = (DebugTreeAdaptor)adaptor; // delegator sends dbg adaptor
<endif><\n>
 <grammar.directDelegates:{g|<g.delegateName()>.TreeAdaptor = this.adaptor;}>
}
}<\n>
>>

```

```

parserCtorBody() ::= <<
<super.parserCtorBody()>
>>

```

```

createListenerAndHandshake() ::= <<
DebugEventSocketProxy proxy = new DebugEventSocketProxy(this, port,
<if(TREE_PARSER)>input.TreeAdaptor<else>adaptor<endif>);
DebugListener = proxy;
<inputStreamType> = new Debug<inputStreamType>(input, proxy);
try
{
 proxy.Handshake();
}
catch (IOException ioe)
{
 ReportError(ioe);
}
>>

```

```

@ctorForRootGrammar.finally() ::= <<
ITreeAdaptor adap = new CommonTreeAdaptor();
TreeAdaptor = adap;
proxy.TreeAdaptor = adap;
>>

```

```

@ctorForProfilingRootGrammar.finally() ::= <<
ITreeAdaptor adap = new CommonTreeAdaptor();
TreeAdaptor = adap;
>>

```

```

@ctorForPredefinedListener.superClassRef() ::= " : base(input, dbg)"

```

```

@ctorForPredefinedListener.finally() ::= <<
<if(grammar.grammarIsRoot)><! don't create new adaptor for delegates !>

```



```
ITreeAdaptor adap = new CommonTreeAdaptor();
TreeAdaptor = adap;<\n>
<endif>
>>

//@rewriteElement.pregen() ::= "dbg.Location(<e.line>, <e.pos>);"
```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/CSharp3/ASTDbg.stg
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```

```
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 */

/** Templates for building ASTs during normal parsing.
 *
 * Deal with many combinations. Dimensions are:
 * Auto build or rewrite
 * no label, label, list label (label/no-label handled together)
```

```

* child, root
* token, set, rule, wildcard
*
* The situation is not too bad as rewrite (->) usage makes ^ and !
* invalid. There is no huge explosion of combinations.
*/

@rule.setErrorReturnValue() ::= <<
retval.Tree = (<ASTLabelType>)adaptor.ErrorNode(input, retval.Start, input.LT(-1), re);
<! System.out.WriteLine("<ruleName> returns "+((CommonTree)retval.tree).toStringTree()); !>
>>

// TOKEN AST STUFF

/** ID and output=AST */
tokenRef(token,label,elementIndex,terminalOptions={}) ::= <<
<super.tokenRef(...)>
<if(backtracking)>if (state.backtracking == 0) {<endif>
<label>_tree = <createNodeFromToken(...)>;
adaptor.AddChild(root_0, <label>_tree);
<if(backtracking)>}<endif>
>>

/** ID! and output=AST (same as plain tokenRef) */
tokenRefBang(token,label,elementIndex) ::= "<super.tokenRef(...)>"

/** ID^ and output=AST */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions={}) ::= <<
<super.tokenRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<label>_tree = <createNodeFromToken(...)>;
root_0 = (<ASTLabelType>)adaptor.BecomeRoot(<label>_tree, root_0);
<if(backtracking)>}<endif>
>>

/** ids+=ID! and output=AST */
tokenRefBangAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefBang(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/** label+=TOKEN when output=AST but not rewrite alt */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRef(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/** Match label+=TOKEN^ when output=AST but not rewrite alt */

```

```

tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefRuleRoot(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

// SET AST

// the match set stuff is interesting in that it uses an argument list
// to pass code to the default matchSet; another possible way to alter
// inherited code. I don't use the region stuff because I need to pass
// different chunks depending on the operator. I don't like making
// the template name have the operator as the number of templates gets
// large but this is the most flexible--this is as opposed to having
// the code generator call matchSet then add root code or ruleroot code
// plus list label plus ... The combinations might require complicated
// rather than just added on code. Investigate that refactoring when
// I have more time.

matchSet(s,label,elementIndex,postmatchCode,terminalOptions={}) ::= <<
<super.matchSet(postmatchCode={ <if(backtracking)>if (<actions.(actionScope).synpredgate>)
<endif>adaptor.AddChild(root_0, <createNodeFromToken(...)>);}, ...)>
>>

matchRuleBlockSet(s,label,elementIndex,postmatchCode,treeLevel="0",terminalOptions={}) ::= <<
<matchSet(...)>
>>

matchSetBang(s,label,elementIndex,postmatchCode,terminalOptions={}) ::= "<super.matchSet(...)>"

// note there is no matchSetTrack because -> rewrites force sets to be
// plain old blocks of alts: (A|B|...|C)

matchSetRuleRoot(s,label,elementIndex,debug,terminalOptions={}) ::= <<
<if(label)>
<label>=(<labelType>)input.LT(1);
<endif>
<super.matchSet(postmatchCode={ <if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>root_0 =
(<ASTLabelType>)adaptor.BecomeRoot(<createNodeFromToken(...)>, root_0);}, ...)>
>>

// RULE REF AST

/** rule when output=AST */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>adaptor.AddChild(root_0, <label>.Tree);
>>

```

```

/** rule! is same as normal rule ref */
ruleRefBang(rule,label,elementIndex,args,scope) ::= "<super.ruleRef(...)>"

/** rule^ */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>root_0 =
(<ASTLabelType>)adaptor.BecomeRoot(<label>.Tree, root_0);
>>

/** x+=rule when output=AST */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabelElem(elem={<label>.Tree},elemType=ASTLabelType,...)>
>>

/** x+=rule! when output=AST is a rule ref with list addition */
ruleRefBangAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefBang(...)>
<listLabelElem(elem={<label>.Tree},elemType=ASTLabelType,...)>
>>

/** x+=rule^ */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<listLabelElem(elem={<label>.Tree},elemType=ASTLabelType,...)>
>>

// WILDCARD AST

wildcard(token,label,elementIndex,terminalOptions={ }) ::= <<
<super.wildcard(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<label>_tree = (<ASTLabelType>)adaptor.Create(<label>);
adaptor.AddChild(root_0, <label>_tree);
<if(backtracking)>}<endif>
>>

wildcardBang(label,elementIndex) ::= "<super.wildcard(token=[],...)>"

wildcardRuleRoot(token,label,elementIndex,terminalOptions={ }) ::= <<
<super.wildcard(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<label>_tree = (<ASTLabelType>)adaptor.Create(<label>);
root_0 = (<ASTLabelType>)adaptor.BecomeRoot(<label>_tree, root_0);
<if(backtracking)>}<endif>
>>

```

```

createNodeFromToken(label,terminalOptions={ }) ::= <%
<if(terminalOptions.node)>
new
<terminalOptions.node><(if(terminalOptions.type)><terminalOptions.type>,<endif><label><(if(terminalOptions.text)>,<terminalOptions.text; format="string"><endif>)
<else>
(<ASTLabelType>)adaptor.Create(<(if(terminalOptions.type)><terminalOptions.type>,<endif><label><(if(terminalOptions.text)>,<terminalOptions.text; format="string"><endif>)
<endif>
%>

```

```

ruleCleanUp() ::= <<
<super.ruleCleanUp()>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
retval.Tree = (<ASTLabelType>)adaptor.RulePostProcessing(root_0);
adaptor.SetTokenBoundaries(retval.Tree, retval.Start, retval.Stop);
<if(backtracking)>}<endif>
>>

```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/CSharp2/ASTParser.stg
```

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```
/*
```

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\*/

/\*\* Templates for building ASTs during normal parsing.

\*

\* Deal with many combinations. Dimensions are:

\* Auto build or rewrite

\* no label, label, list label (label/no-label handled together)

\* child, root

\* token, set, rule, wildcard

\*

\* The situation is not too bad as rewrite (->) usage makes ^ and !

\* invalid. There is no huge explosion of combinations.

\*/

```
finishedBacktracking(block) ::= <<
```

```
<if(!ruleDescriptor.isSynPred)>
```

```
<if(backtracking)>
```

```
if <actions.(actionScope).synpredgate>:
```

```
 <block>
```

```
<else>
```

```
<block>
```

```
<endif>
```

```
<endif>
```

```
>>
```

```
@ruleBody.setErrorReturnValue() ::= <<
```

```
retval.tree = self._adaptor.errorNode(self.input, retval.start, self.input.LT(-1), re)
```

```
>>
```

```
// TOKEN AST STUFF
```

```
/** ID and output=AST */
```

```
tokenRef(token,label,elementIndex,terminalOptions={}) ::= <<
```

```
<super.tokenRef(...)>
```

```
<finishedBacktracking({
```

```
<label>_tree = <createNodeFromToken(...)>
```

```
self._adaptor.addChild(root_0, <label>_tree
```

```
})>
```

```
>>
```

```
/** ID! and output=AST (same as plain tokenRef) */
```

```
tokenRefBang(token,label,elementIndex,terminalOptions={}) ::= "<super.tokenRef(...)>"
```

```
/** ID^ and output=AST */
```

```
tokenRefRuleRoot(token,label,elementIndex,terminalOptions={}) ::= <<
```

```
<super.tokenRef(...)>
```

```

<finishedBacktracking({
<label>_tree = <createNodeFromToken(...)>
root_0 = self._adaptor.becomeRoot(<label>_tree, root_0)
})>
>>

/** ids+=ID! and output=AST */
tokenRefBangAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefBang(...)>
<listLabel(elem=label,...)>
>>

/** label+=TOKEN when output=AST but not rewrite alt */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

/** Match label+=TOKEN^ when output=AST but not rewrite alt */
tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefRuleRoot(...)>
<listLabel(elem=label,...)>
>>

// SET AST

// the match set stuff is interesting in that it uses an argument list
// to pass code to the default matchSet; another possible way to alter
// inherited code. I don't use the region stuff because I need to pass
// different chunks depending on the operator. I don't like making
// the template name have the operator as the number of templates gets
// large but this is the most flexible--this is as opposed to having
// the code generator call matchSet then add root code or ruleroot code
// plus list label plus ... The combinations might require complicated
// rather than just added on code. Investigate that refactoring when
// I have more time.

matchSet(s,label,elementIndex,postmatchCode,terminalOptions={}) ::= <%
<super.matchSet(postmatchCode={<finishedBacktracking({self._adaptor.addChild(root_0,
<createNodeFromToken(...)>})>}, ...)>
%>

matchRuleBlockSet(s,label,elementIndex,postmatchCode,treeLevel="0",terminalOptions={}) ::= <<
<matchSet(...)>
>>

matchSetBang(s,label,elementIndex,postmatchCode,terminalOptions={}) ::= "<super.matchSet(...)>"

```

```

// note there is no matchSetTrack because -> rewrites force sets to be
// plain old blocks of alts: (A|B|...|C)

matchSetRuleRoot(s,label,elementIndex,debug,terminalOptions={}) ::= <<
<if(label)>
<label> = self.input.LT(1)<\n>
<endif>
<super.matchSet(postmatchCode={ <finishedBacktracking({root_0 =
self._adaptor.becomeRoot(<createNodeFromToken(...)>, root_0)}>}, ...)>
>>

// RULE REF AST

/** rule when output=AST */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<finishedBacktracking({self._adaptor.addChild(root_0, <label>.tree)}>)>
>>

/** rule! is same as normal rule ref */
ruleRefBang(rule,label,elementIndex,args,scope) ::= "<super.ruleRef(...)>"

/** rule^ */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<finishedBacktracking({root_0 = self._adaptor.becomeRoot(<label>.tree, root_0)}>)>
>>

/** x+=rule when output=AST */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(label, {<label>.tree})>
>>

/** x+=rule! when output=AST is a rule ref with list addition */
ruleRefBangAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefBang(...)>
<listLabel(label, {<label>.tree})>
>>

/** x+=rule^ */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<listLabel(label, {<label>.tree})>
>>

// WILDCARD AST

```



```
wildcard(token,label,elementIndex,terminalOptions={ }) ::= <<
<super.wildcard(...)>
<finishedBacktracking({
<label>_tree = self._adaptor.createWithPayload(<label>)
self._adaptor.addChild(root_0, <label>_tree)
})>
>>
```

```
wildcardBang(label,elementIndex) ::= "<super.wildcard(...)>"
```

```
wildcardRuleRoot(token,label,elementIndex,terminalOptions={ }) ::= <<
<super.wildcard(...)>
<finishedBacktracking({
<label>_tree = self._adaptor.createWithPayload(<label>)
root_0 = self._adaptor.becomeRoot(<label>_tree, root_0)
})>
>>
```

```
createNodeFromToken(label,terminalOptions={ }) ::= <%
<if(terminalOptions.node)>
<terminalOptions.node>(<label>) <! new MethodNode(IDLabel) !>
<else>
self._adaptor.createWithPayload(<label>)
<endif>
%>
```

```
ruleCleanUp() ::= <<
<super.ruleCleanUp()>
<finishedBacktracking({
retval.tree = self._adaptor.rulePostProcessing(root_0)
self._adaptor.setTokenBoundaries(retval.tree, retval.start, retval.stop)
})>
>>
```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/Python/ASTParser.stg
```

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\*/

group AST;

```
@outputFile.imports() ::= <<
<@super.imports()><if(!TREE_PARSER)><! tree parser would already have imported !>
Antlr.Runtime.Tree,<\n><endif>
>>
```

```
@genericParser.members() ::= <<
<@super.members()>
<parserMembers()>
>>
```

```
@genericParser.membersConstructor() ::= <<
<@super.membersConstructor()>
<parserMembersConstructor()>
>>
```

```
@genericParser.membersImplementation() ::= <<
<@super.membersImplementation()>
<parserMembersImplementation()>
>>
```

/\*\* Add an adaptor property that knows how to build trees \*/

```
parserMembers() ::= <<
strict protected
 FAdaptor: ITreeAdaptor;
 procedure SetAdaptor(const Value: ITreeAdaptor);
```

```

 property Adaptor: ITreeAdaptor read FAdaptor;
public
 property TreeAdaptor: ITreeAdaptor read FAdaptor write SetAdaptor;

>>

parserMembersConstructor() ::= <<
FAdaptor := TCommonTreeAdaptor.Create;
>>

parserMembersImplementation() ::= <<
procedure T<grammar.recognizerName>.SetAdaptor(const Value: ITreeAdaptor);
begin
 FAdaptor := Value;
 <grammar.directDelegates:{g|<g:delegateName>.TreeAdaptor := FAdaptor;}>
end;
>>

@returnScope.ruleReturnMembers() ::= <<
function T<grammar.recognizerName>.T<ruleDescriptor:returnStructName>.GetTree: IANTLRInterface;
begin
 Result := FTree;
end;

procedure T<grammar.recognizerName>.T<ruleDescriptor:returnStructName>.SetTree(const Value:
IANTLRInterface);
begin
 FTree := Value as I<ASTLabelType>;
end;
>>

@returnScopeDeclaration.ruleReturnMembers() ::= <<
strict private
 FTree: I<ASTLabelType>;
protected
 { IRuleReturnScope }
 function GetTree: IANTLRInterface; override;
 procedure SetTree(const Value: IANTLRInterface); override;
>>

/** Add a variable to track rule's return AST */
ruleDeclarations() ::= <<
<super.ruleDeclarations()>
Root[0] := nil;<\n>
>>

ruleDeclarationVars() ::= <<
<super.ruleDeclarationVars()>

```

Root: array [0..63] of I<ASTLabelType>;

>>

```
ruleLabelDefs() ::= <<
<super.ruleLabelDefs()>
<ruleDescriptor.tokenLabels:{<it.label.text>_tree := nil;}; separator="\n">
<ruleDescriptor.tokenListLabels:{<it.label.text>_tree := nil;}; separator="\n">
<ruleDescriptor.allTokenRefsInAltsWithRewrites:{Locals['Stream_<it>'] :=
TRewriteRule<rewriteElementType>Stream.Create(Adaptor,'token <it>');}; separator="\n">
<ruleDescriptor.allRuleRefsInAltsWithRewrites:{Locals['Stream_<it>'] :=
TRewriteRuleSubtreeStream.Create(Adaptor,'rule <it>');}; separator="\n">
>>
```

```
ruleLabelDefVars() ::= <<
<super.ruleLabelDefVars()>
<ruleDescriptor.tokenLabels:{<it.label.text>_tree: I<ASTLabelType>;}; separator="\n">
<ruleDescriptor.tokenListLabels:{<it.label.text>_tree: I<ASTLabelType>;}; separator="\n">
>>
```

```
/** When doing auto AST construction, we must define some variables;
 * These should be turned off if doing rewrites. This must be a "mode"
 * as a rule could have both rewrite and AST within the same alternative
 * block.
 */
```

```
@alt.declarations() ::= <<
<if(autoAST)>
<if(outerAlt)>
<if(!rewriteMode)>
Root[0] := Adaptor.GetNilNode as I<ASTLabelType>;
<endif>
<endif>
<endif>
>>
```

// Tracking Rule Elements

```
/** ID and track it for use in a rewrite rule */
tokenRefTrack(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefBang(...)> <! Track implies no auto AST construction!>
<if(backtracking)>if (State.Backtracking = 0) then <endif>(Locals['Stream_<token>'] as
IRewriteRuleElementStream).Add(<label>);<\n>
>>
```

```
/** ids+=ID and track it for use in a rewrite rule; adds to ids *and*
 * to the tracking list stream_ID for use in the rewrite.
 */
```

```
tokenRefTrackAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefTrack(...)>
<listLabel(elem=label,...)>
```

```

>>

/** ^(ID ...) track for rewrite */
tokenRefRuleRootTrack(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefBang(...)>
<if(backtracking)>if (State.Backtracking = 0) then <endif>(Locals['Stream_<token>'] as
IRewriteRuleElementStream).Add(<label>);<\n>
>>

/** Match ^(label+=TOKEN ...) track for rewrite */
tokenRefRuleRootTrackAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefRuleRootTrack(...)>
<listLabel(elem=label,...)>
>>

wildcardTrack(label,elementIndex) ::= <<
<super.wildcard(...)>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if (State.Backtracking = 0) then <endif>(Locals['Stream_<rule.name>'] as
IRewriteRuleElementStream).Add(<label>.Tree);<\n>
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefTrack(...)>
<listLabel(elem=label+".Tree",...)>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<if(backtracking)>if (State.Backtracking = 0) then <endif>(Locals['Stream_<rule>'] as
IRewriteRuleElementStream).Add(<label>.Tree);
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRootTrack(...)>
<listLabel(elem=label+".Tree",...)>
>>

// R e w r i t e

rewriteCode(

```

```

alts, description,
referencedElementsDeep, // ALL referenced elements to right of ->
referencedTokenLabels,
referencedTokenListLabels,
referencedRuleLabels,
referencedRuleListLabels,
 referencedWildcardLabels,
 referencedWildcardListLabels,
rewriteBlockLevel, enclosingTreeLevel, treeLevel) ::=
<<

// AST REWRITE
// elements: <referencedElementsDeep; separator=", ">
// token labels: <referencedTokenLabels; separator=", ">
// rule labels: <referencedRuleLabels; separator=", ">
// token list labels: <referencedTokenListLabels; separator=", ">
// rule list labels: <referencedRuleListLabels; separator=", ">
<if(backtracking)>
if (State.Backtracking = 0) then
begin<\n>
<endif>
<prevRuleRootRef(>).Tree := Root[0];
<rewriteCodeLabels(>
Root[0] := Adaptor.GetNilNode as I<ASTLabelType>;
<alts:rewriteAlt(> separator="else ">
<! if tree parser and rewrite=true !>
<if(TREE_PARSER)>
<if(rewriteMode)>
<prevRuleRootRef(>).Tree = (<ASTLabelType>)adaptor.rulePostProcessing(root[0]);
input.ReplaceChildren(adaptor.GetParent(retval.Start),
 adaptor.GetChildIndex(retval.Start),
 adaptor.GetChildIndex(_last),
 retval.Tree);

<endif>
<endif>
<! if parser or rewrite!=true, we need to set result !>
<if(!TREE_PARSER)>
<prevRuleRootRef(>).Tree := Root[0];<\n>
<endif>
<if(!rewriteMode)>
<prevRuleRootRef(>).Tree := Root[0];<\n>
<endif>
<if(backtracking)>
end;
<endif>
>>

rewriteCodeLabels() ::= <<

```

```

<referencedTokenLabels
 :{Locals['Stream_<it>'] := TRewriteRule<rewriteElementType>Stream.Create(Adaptor, 'token <it>', <it>);};
 separator="\n"
>
<referencedTokenListLabels
 :{Locals['Stream_<it>'] := TRewriteRule<rewriteElementType>Stream.Create(Adaptor,'token <it>', list_<it>);};
 separator="\n"
>
<referencedRuleLabels:{
if Assigned(<it>) then
 Locals['Stream_<it>'] := TRewriteRuleSubtreeStream.Create(Adaptor, 'token <it>', <it>.Tree)
else
 Locals['Stream_<it>'] := TRewriteRuleSubtreeStream.Create(Adaptor, 'token <it>', nil);}; separator="\n">
<referencedRuleListLabels
 :{Locals['Stream_<it>'] := TRewriteRuleSubtreeStream.Create(Adaptor, 'token <it>', list_<it>);};
 separator="\n"
>
>>

/** Generate code for an optional rewrite block; note it uses the deep ref'd element
 * list rather shallow like other blocks.
 */
rewriteOptionalBlock(
 alt,rewriteBlockLevel,
 referencedElementsDeep, // all nested refs
 referencedElements, // elements in immediately block; no nested blocks
 description) ::=
<<
(* <fileName>:<description> *)
if (<referencedElementsDeep:{el | (Locals['Stream_<el>'] as IRewriteRuleElementStream).HasNext}; separator="
or ">) then
begin
 <alt>
end;
<referencedElementsDeep:{el | (Locals['Stream_<el>'] as IRewriteRuleElementStream).Reset;<\n>}>
>>

rewriteClosureBlock(
 alt,rewriteBlockLevel,
 referencedElementsDeep, // all nested refs
 referencedElements, // elements in immediately block; no nested blocks
 description) ::=
<<
(* <fileName>:<description> *)
while (<referencedElements:{el | (Locals['Stream_<el>'] as IRewriteRuleElementStream).HasNext}; separator="
">) do
begin
 <alt>

```

```

end;
<referencedElements:{el | (Locals['Stream_<el>'] as IRewriteRuleElementStream).Reset();<\n>}>
>>

rewritePositiveClosureBlock(
 alt,rewriteBlockLevel,
 referencedElementsDeep, // all nested refs
 referencedElements, // elements in immediately block; no nested blocks
 description) ::=
<<
if (not (<referencedElements:{el | (Locals['Stream_<el>'] as IRewriteRuleElementStream).HasNext}; separator=" or
">)) then
 raise ERewriteEarlyExitException.Create("");

while (<referencedElements:{el | (Locals['Stream_<el>'] as IRewriteRuleElementStream).HasNext}; separator=" or
">) do
begin
 <alt>
end;
<referencedElements:{el | (Locals['Stream_<el>'] as IRewriteRuleElementStream).Reset();<\n>}>
>>

rewriteAlt(a) ::= <<
(* <a.description> *)
<if(a.pred)>
if (<a.pred>) then
begin
 <a.alt>
end<\n>
<else>
begin
 <a.alt>
end;<\n>
<endif>
>>

/** For empty rewrites: "r : ... -> ;" */
rewriteEmptyAlt() ::= "Root[0] = null;"

rewriteTree(root,children,description,enclosingTreeLevel,treeLevel) ::= <<
(* <fileName>:<description> *)
begin
 Root[<treeLevel>] := Adaptor.GetNilNode as I<ASTLabelType>;
 <root:rewriteElement()>
 <children:rewriteElement()>
 Adaptor.AddChild(Root[<enclosingTreeLevel>], Root[<treeLevel>]);
end;<\n>
>>

```



```

rewriteElementList(elements) ::= "<elements:rewriteElement()>"

rewriteElement(e) ::= <<
<@pregen()>
<e.el>
>>

/** Gen ID or ID[args] */
rewriteTokenRef(token,elementIndex,terminalOptions,args) ::= <<
Adaptor.AddChild(Root[<treeLevel>], <createRewriteNodeFromElement(...)>);<\n>
>>

/** Gen $label ... where defined via label=ID */
rewriteTokenLabelRef(label,elementIndex) ::= <<
Adaptor.AddChild(Root[<treeLevel>], (Locals['Stream_<label>'] as
IRewriteRuleElementStream).NextNode());<\n>
>>

/** Gen $label ... where defined via label+=ID */
rewriteTokenListLabelRef(label,elementIndex) ::= <<
Adaptor.AddChild(Root[<treeLevel>], (Locals['Stream_<label>'] as IRewriteRuleElementStream).NextNode);<\n>
>>

/** Gen ^($label ...) */
rewriteTokenLabelRefRoot(label,elementIndex) ::= <<
Root[<treeLevel>] := Adaptor.BecomeRoot((Locals['Stream_<label>'] as
IRewriteRuleElementStream).NextNode(), Root[<treeLevel>]) as I<ASTLabelType>;<\n>
>>

/** Gen ^($label ...) where label+=... */
rewriteTokenListLabelRefRoot ::= rewriteTokenLabelRefRoot

/** Gen ^(ID ...) or ^(ID[args] ...) */
rewriteTokenRefRoot(token,elementIndex,terminalOptions,args) ::= <<
Root[<treeLevel>] := Adaptor.BecomeRoot(<createRewriteNodeFromElement(...)>, Root[<treeLevel>]) as
I<ASTLabelType>;<\n>
>>

rewriteImaginaryTokenRef(args,token,terminalOptions,elementIndex) ::= <<
Adaptor.AddChild(Root[<treeLevel>], <createImaginaryNode(tokenType=token, ...)>);<\n>
>>

rewriteImaginaryTokenRefRoot(args,token,terminalOptions,elementIndex) ::= <<
Root[<treeLevel>] := Adaptor.BecomeRoot(<createImaginaryNode(tokenType=token, ...)>, Root[<treeLevel>]) as
I<ASTLabelType>;<\n>
>>

```

```

/** plain -> {foo} action */
rewriteAction(action) ::= <<
Root[0] = <action>;<\n>
>>

/** What is the name of the previous value of this rule's root tree? This
 * let's us refer to $rule to mean previous value. I am reusing the
 * variable 'tree' sitting in retval struct to hold the value of Root[0] right
 * before I set it during rewrites. The assign will be to retval.Tree.
 */
prevRuleRootRef() ::= "RetVal"

rewriteRuleRef(rule) ::= <<
Adaptor.AddChild(Root[<treeLevel>], (Locals['Stream_<rule>'] as IRewriteRuleElementStream).NextTree());<\n>
>>

rewriteRuleRefRoot(rule) ::= <<
Root[<treeLevel>] := Adaptor.BecomeRoot((Locals['Stream_<rule>'] as IRewriteRuleElementStream).NextNode,
Root[<treeLevel>]) as I<ASTLabelType>;<\n>
>>

rewriteNodeAction(action) ::= <<
Adaptor.AddChild(Root[<treeLevel>], <action>;<\n>
>>

rewriteNodeActionRoot(action) ::= <<
Root[<treeLevel>] := Adaptor.BecomeRoot(<action>, Root[<treeLevel>]) as I<ASTLabelType>;<\n>
>>

/** Gen $ruleLabel ... where defined via ruleLabel=rule */
rewriteRuleLabelRef(label) ::= <<
Adaptor.AddChild(Root[<treeLevel>], (Locals['Stream_<label>'] as IRewriteRuleElementStream).NextTree());<\n>
>>

/** Gen $ruleLabel ... where defined via ruleLabel+=rule */
rewriteRuleListLabelRef(label) ::= <<
Adaptor.AddChild(Root[<treeLevel>], (Locals['Stream_<label>'] as IRewriteRuleElementStream).NextTree());<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel=rule */
rewriteRuleLabelRefRoot(label) ::= <<
Root[<treeLevel>] := Adaptor.BecomeRoot((Locals['Stream_<label>'] as IRewriteRuleElementStream).NextNode,
Root[<treeLevel>]) as I<ASTLabelType>;<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel+=rule */
rewriteRuleListLabelRefRoot(label) ::= <<
Root[<treeLevel>] := Adaptor.BecomeRoot((Locals['Stream_<label>'] as IRewriteRuleElementStream).NextNode,

```

```
Root[<treeLevel>]) as I<ASTLabelType>;<\n>
```

```
>>
```

```
createImaginaryNode(tokenType,terminalOptions,args) ::= <<
```

```
<if(terminalOptions.node)>
```

```
<! new MethodNode(IDLabel, args) !>
```

```
T<terminalOptions.node>.Create(<tokenType><if(args)>, <args; separator=", "><endif>)
```

```
<else>
```

```
Adaptor.CreateNode(<tokenType>, <args; separator=", "><if(!args)>'<tokenType>'<endif>) as I<ASTLabelType>
```

```
<endif>
```

```
>>
```

```
createRewriteNodeFromElement(token,terminalOptions,args) ::= <<
```

```
<if(terminalOptions.node)>
```

```
T<terminalOptions.node>.Create((Locals['Stream_<token>'] as IRewriteRuleElementStream).NextToken<if(args)>,<args; separator=", "><endif>)
```

```
<else>
```

```
<else>
```

```
<if(args)> <! must create new node from old !>
```

```
Adaptor.Create(<token>, <args; separator=", ">)
```

```
<else>
```

```
(Locals['Stream_<token>'] as IRewriteRuleElementStream).NextNode
```

```
<endif>
```

```
<endif>
```

```
>>
```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/Delphi/AST.stg
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
[The "BSD license"]
```

```
Copyright (c) 2005-2006 Terence Parr
```

```
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```

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\*/

/\*\* Template overrides to add debugging to normal Java output;

\* If ASTs are built, then you'll also get ASTDbg.stg loaded.

\*/

```
@outputFile.imports() ::= <<
```

```
<@super.imports(>
```

```
import org.antlr.runtime.debug.*;
```

```
import java.io.IOException;
```

```
>>
```

```
@genericParser.members() ::= <<
```

```
<if(grammar.grammarIsRoot)>
```

```
public static final String[] ruleNames = new String[] {
```

```
 "invalidRule", <grammar.allImportedRules:{rST | "<rST.name>"}; wrap="\n\t", separator=", ">
```

```
};<\n>
```

```
<endif>
```

```
public static final boolean[] decisionCanBacktrack = new boolean[] {
```

```
 false, // invalid decision
```

```
 <grammar.decisions:{d | <d.dfa.hasSynPred; null="false">}; wrap="\n ", separator=", ">
```

```
};<\n>
```

```
<if(grammar.grammarIsRoot)> <! grammar imports other grammar(s) !>
```

```
public int ruleLevel = 0;
```

```
public int getRuleLevel() { return ruleLevel; }
```

```
public void incRuleLevel() { ruleLevel++; }
```

```
public void decRuleLevel() { ruleLevel--; }
```

```
<if(profile)>
```

```
 <ctorForProfilingRootGrammar(>
```

```
<else>
```

```
 <ctorForRootGrammar(>
```

```
<endif>
```

```
 <ctorForPredefinedListener(>
```

```
<else><! imported grammar !>
```

```
public int getRuleLevel() { return <grammar.delegators:{g| <g.delegateName(>>}.getRuleLevel(); }
```

```
public void incRuleLevel() { <grammar.delegators:{g| <g.delegateName(>>}.incRuleLevel(); }
```

```
public void decRuleLevel() { <grammar.delegators:{g| <g.delegateName(>>}.decRuleLevel(); }
```

```
 <ctorForDelegateGrammar(>
```

```
<endif>
```

```
<if(profile)>
```

```
public boolean alreadyParsedRule(IntStream input, int ruleIndex) {
```

```
 int stopIndex = getRuleMemoization(ruleIndex, input.index());
```

```

 ((Profiler)dbg).examineRuleMemoization(input, ruleIndex, stopIndex,
<grammar.composite.rootGrammar.recognizerName>.ruleNames[ruleIndex]);
 return super.alreadyParsedRule(input, ruleIndex);
}

```

```
@Override
```

```

public void memoize(IntStream input,
 int ruleIndex,
 int ruleStartIndex)
{
 ((Profiler)dbg).memoize(input, ruleIndex, ruleStartIndex,
<grammar.composite.rootGrammar.recognizerName>.ruleNames[ruleIndex]);
 super.memoize(input, ruleIndex, ruleStartIndex);
}

```

```
<endif>
```

```

protected boolean evalPredicate(boolean result, String predicate) {
 dbg.semanticPredicate(result, predicate);
 return result;
}

```

```
>>
```

```
ctorForRootGrammar() ::= <<
```

```
<! bug: can't use <@super.members()> cut-n-paste instead !>
```

```
<! Same except we add port number and profile stuff if root grammar !>
```

```

public <name>(<inputStreamType> input) {
 this(input, DebugEventSocketProxy.DEFAULT_DEBUGGER_PORT, new RecognizerSharedState());
}

```

```

public <name>(<inputStreamType> input, int port, RecognizerSharedState state) {

```

```
 super(input, state);
```

```
 <parserCtorBody()>
```

```
 <createListenerAndHandshake()>
```

```

 <grammar.directDelegates: {g|<g:delegateName()> = new <g.recognizerName>(input, dbg, this.state,
this<grammar.delegators: {g|, <g:delegateName()>}>);}; separator="\n">

```

```
 <@finally()>
```

```
}<\n>
```

```
>>
```

```
ctorForProfilingRootGrammar() ::= <<
```

```
<! bug: can't use <@super.members()> cut-n-paste instead !>
```

```

public <name>(<inputStreamType> input) {
 this(input, new Profiler(null), new RecognizerSharedState());
}

```

```

public <name>(<inputStreamType> input, DebugEventListener dbg, RecognizerSharedState state) {

```

```
 super(input, dbg, state);
```

```
 Profiler p = (Profiler)dbg;
```

```
 p.setParser(this);
```

```
 <parserCtorBody()>
```

```
 <grammar.directDelegates:
```

```

 {g|<g:delegateName()> = new <g.recognizerName>(input, dbg, this.state, this<grammar.delegators:{g|,
<g:delegateName()>>});}; separator="\n">
 <@finally()>
}
<\n>
>>

```

```

/** Basically we don't want to set any dbg listeners are root will have it. */
ctorForDelegateGrammar() ::= <<
public <name>(<inputStreamType> input, DebugEventListener dbg, RecognizerSharedState
state<grammar.delegators:{g|, <g.recognizerName> <g:delegateName()>>}) {
 super(input, dbg, state);
 <parserCtorBody()>
 <grammar.directDelegates:
 {g|<g:delegateName()> = new <g.recognizerName>(input, this, this.state<grammar.delegators:{g|,
<g:delegateName()>>});}; separator="\n">
 }<\n>
>>

```

```

ctorForPredefinedListener() ::= <<
public <name>(<inputStreamType> input, DebugEventListener dbg) {
 <@superClassRef>super(input, dbg, new RecognizerSharedState());<@end>
 <if(profile)>
 Profiler p = (Profiler)dbg;
 p.setParser(this);
 <endif>
 <parserCtorBody()>
 <grammar.directDelegates:{g|<g:delegateName()> = new <g.recognizerName>(input, dbg, this.state,
this<grammar.delegators:{g|, <g:delegateName()>>});}; separator="\n">
 <@finally()>
 }<\n>
>>

```

```

createListenerAndHandshake() ::= <<
<if(TREE_PARSER)>
DebugEventSocketProxy proxy =
 new DebugEventSocketProxy(this, port, input.getTreeAdaptor());<\n>
<else>
DebugEventSocketProxy proxy =
 new DebugEventSocketProxy(this, port, null);<\n>
<endif>
setDebugListener(proxy);
try {
 proxy.handshake();
}
catch (IOException ioe) {
 reportError(ioe);
}

```

>>

```
@genericParser.superClassName() ::= "Debug<@super.superClassName(>"
```

```
@rule.preamble() ::= <<
```

```
try { dbg.enterRule(getGrammarFileName(), "<ruleName>");
```

```
if (getRuleLevel()==0) {dbg.commence();}
```

```
incRuleLevel();
```

```
dbg.location(<ruleDescriptor.tree.line>, <ruleDescriptor.tree.charPositionInLine>);<\n>
```

```
>>
```

```
@rule.postamble() ::= <<
```

```
dbg.location(<ruleDescriptor.EORNode.line>, <ruleDescriptor.EORNode.charPositionInLine>);<\n>
```

```
}
```

```
finally {
```

```
dbg.exitRule(getGrammarFileName(), "<ruleName>");
```

```
decRuleLevel();
```

```
if (getRuleLevel()==0) {dbg.terminate();}
```

```
}<\n>
```

```
>>
```

```
@synpred.start() ::= "dbg.beginBacktrack(state.backtracking);"
```

```
@synpred.stop() ::= "dbg.endBacktrack(state.backtracking, success);"
```

```
// Common debug event triggers used by region overrides below
```

```
enterSubRule() ::=
```

```
"try { dbg.enterSubRule(<decisionNumber>);<\n>"
```

```
exitSubRule() ::=
```

```
"} finally {dbg.exitSubRule(<decisionNumber>);}<\n>"
```

```
enterDecision() ::=
```

```
"try { dbg.enterDecision(<decisionNumber>, decisionCanBacktrack[<decisionNumber>]);<\n>"
```

```
exitDecision() ::=
```

```
"} finally {dbg.exitDecision(<decisionNumber>);}<\n>"
```

```
enterAlt(n) ::= "dbg.enterAlt(<n>);<\n>"
```

```
// Region overrides that tell various constructs to add debugging triggers
```

```
@block.predecision() ::= "<enterSubRule()><enterDecision()>"
```

```
@block.postdecision() ::= "<exitDecision()>"
```

```
@block.postbranch() ::= "<exitSubRule()>"
```

```

@ruleBlock.predecision() ::= "<enterDecision(>"

@ruleBlock.postdecision() ::= "<exitDecision(>"

@ruleBlockSingleAlt.prealt() ::= "<enterAlt(n=\"1\")>"

@blockSingleAlt.prealt() ::= "<enterAlt(n=\"1\")>"

@positiveClosureBlock.preloop() ::= "<enterSubRule(>"

@positiveClosureBlock.postloop() ::= "<exitSubRule(>"

@positiveClosureBlock.predecision() ::= "<enterDecision(>"

@positiveClosureBlock.postdecision() ::= "<exitDecision(>"

@positiveClosureBlock.earlyExitException() ::=
"dbg.recognitionException(eee);<n>"

@closureBlock.preloop() ::= "<enterSubRule(>"

@closureBlock.postloop() ::= "<exitSubRule(>"

@closureBlock.predecision() ::= "<enterDecision(>"

@closureBlock.postdecision() ::= "<exitDecision(>"

@altSwitchCase.prealt() ::= "<enterAlt(altNum)>" // altNum is arg of altSwitchCase

@element.prematch() ::=
"dbg.location(<e.line>,<e.pos>);" // e is arg of element

@matchSet.mismatchedSetException() ::=
"dbg.recognitionException(mse);"

@dfaState.noViableAltException() ::= "dbg.recognitionException(nvae);"

@dfaStateSwitch.noViableAltException() ::= "dbg.recognitionException(nvae);"

dfaDecision(decisionNumber,description) ::= <<
try {
isCyclicDecision = true;
<super.dfaDecision(...)>
}
catch (NoViableAltException nvae) {
dbg.recognitionException(nvae);
throw nvae;
}

```



```
}
>>
```

```
@cyclicDFA.errorMethod() ::= <<
public void error(NoViableAltException nvae) {
 dbg.recognitionException(nvae);
}
>>
```

```
/** Force predicate validation to trigger an event */
evalPredicate(pred,description) ::= <<
evalPredicate(<pred>,"<description>")
>>
```

Found in path(s):

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/templates/Java/Dbg.stg  
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```
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```
*/
```

```

/** Templates for building ASTs during normal parsing.
*
* Deal with many combinations. Dimensions are:
* Auto build or rewrite
* no label, label, list label (label/no-label handled together)
* child, root
* token, set, rule, wildcard
*
* The situation is not too bad as rewrite (->) usage makes ^ and !
* invalid. There is no huge explosion of combinations.
*/
group ASTParser;

@rule.setErrorReturnValue() ::= <<
RetVal.Tree := Adaptor.ErrorNode(Input, RetVal.Start as IToken,
Input.LT(-1), RE) as I<ASTLabelType>;
>>

// TOKEN AST STUFF

/** ID and output=AST */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
<super.tokenRef(...)>
<if(backtracking)>
if (State.Backtracking = 0) then
begin<\n>
<endif>
<label>_tree := <createNodeFromToken(...)>;
Adaptor.AddChild(Root[0], <label>_tree);
<if(backtracking)>
end;
<endif>
>>

/** ID! and output=AST (same as plain tokenRef) */
tokenRefBang(token,label,elementIndex) ::= "<super.tokenRef(...)>"

/** ID^ and output=AST */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions) ::= <<
<super.tokenRef(...)>
<if(backtracking)>
if (State.Backtracking = 0) then
begin
<endif>
<label>_tree := <createNodeFromToken(...)>;
Root[0] := Adaptor.BecomeRoot(<label>_tree, Root[0]) as I<ASTLabelType>;
<if(backtracking)>

```

```

end;
<endif>
>>

/** ids+=ID! and output=AST */
tokenRefBangAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefBang(...)>
<listLabel(elem=label,...)>
>>

/** label+=TOKEN when output=AST but not rewrite alt */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

/** Match label+=TOKEN^ when output=AST but not rewrite alt */
tokenRefRuleRootAndListLabel(token,label,terminalOptions,elementIndex) ::= <<
<tokenRefRuleRoot(...)>
<listLabel(elem=label,...)>
>>

// SET AST

// the match set stuff is interesting in that it uses an argument list
// to pass code to the default matchSet; another possible way to alter
// inherited code. I don't use the region stuff because I need to pass
// different chunks depending on the operator. I don't like making
// the template name have the operator as the number of templates gets
// large but this is the most flexible--this is as opposed to having
// the code generator call matchSet then add root code or ruleroot code
// plus list label plus ... The combinations might require complicated
// rather than just added on code. Investigate that refactoring when
// I have more time.

matchSet(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
<super.matchSet(..., postmatchCode={<if(backtracking)>if (State.Backtracking = 0) then
<endif>Adaptor.AddChild(Root[0], <createNodeFromToken(...)>);}>
>>

matchRuleBlockSet(s,label,terminalOptions,elementIndex,postmatchCode,treeLevel="0") ::= <<
<matchSet(...)>
>>

matchSetBang(s,label,elementIndex,postmatchCode) ::= "<super.matchSet(...)>"

// note there is no matchSetTrack because -> rewrites force sets to be
// plain old blocks of alts: (A|B|...|C)

```

```

matchSetRuleRoot(s,label,terminalOptions,elementIndex,debug) ::= <<
<if(label)>
<label> := Input.LT(1) as I<labelType>;<\n>
<endif>
<super.matchSet(..., postmatchCode={<if(backtracking)>if (State.Backtracking = 0) then <endif>Root[0] :=
Adaptor.BecomeRoot(<createNodeFromToken(...)>, Root[0]) as I<ASTLabelType>;}>
>>

// RULE REF AST

/** rule when output=AST */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if (State.Backtracking = 0) then <endif>Adaptor.AddChild(Root[0], <label>.Tree);
>>

/** rule! is same as normal rule ref */
ruleRefBang(rule,label,elementIndex,args,scope) ::= "<super.ruleRef(...)>"

/** rule^ */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if (State.Backtracking = 0) then <endif>Root[0] := Adaptor.BecomeRoot(<label>.Tree, Root[0])
as I<ASTLabelType>;
>>

/** x+=rule when output=AST */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(elem=label+".Tree",...)>
>>

/** x+=rule! when output=AST is a rule ref with list addition */
ruleRefBangAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefBang(...)>
<listLabel(elem=label+".Tree",...)>
>>

/** x+=rule^ */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<listLabel(elem=label+".Tree",...)>
>>

// WILDCARD AST

wildcard(label,elementIndex) ::= <<

```

```

<super.wildcard(...)>
<if(backtracking)>
if (State.Backtracking = 0) then
begin
<endif>
<label>_tree := Adaptor.CreateNode(<label>) as I<ASTLabelType>;
Adaptor.AddChild(Root[0], <label>_tree);
<if(backtracking)>
end;
<endif>
>>

```

```
wildcardBang(label,elementIndex) ::= "<super.wildcard(...)>"
```

```

wildcardRuleRoot(label,elementIndex) ::= <<
<super.wildcard(...)>
<if(backtracking)>
if (State.Backtracking = 0) then
begin
<endif>
<label>_tree := Adaptor.CreateNode(<label>) as I<ASTLabelType>;
Root[0] := Adaptor.BecomeRoot(<label>_tree, Root[0]) as I<ASTLabelType>;
<if(backtracking)>
end;
<endif>
>>

```

```

createNodeFromToken(label,terminalOptions) ::= <<
<if(terminalOptions.node)>
T<terminalOptions.node>.Create(<label>) <! new MethodNode(IDLabel) !>
<else>
Adaptor.CreateNode(<label>) as I<ASTLabelType>
<endif>
>>

```

```

ruleCleanUp() ::= <<
<super.ruleCleanUp()>
<if(backtracking)>
if (State.Backtracking = 0) then
begin<\n>
<endif>
RetVal.Tree := Adaptor.RulePostProcessing(Root[0]) as I<ASTLabelType>;
<if(!TREE_PARSER)>
Adaptor.SetTokenBoundaries(RetVal.Tree, RetVal.Start as IToken, RetVal.Stop as IToken);
<endif>
<if(backtracking)>
<\n>end;
<endif>

```

>>

Found in path(s):

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/templates/Delphi/ASTParser.stg

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/\*

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\*/

/\*\* Template overrides to add debugging to normal C output;

\* If ASTs are built, then you'll also get ASTDbg.stg loaded.

\*/

```
@genericParser.members() ::= <<
```

```
<if(grammar.grammarIsRoot)>
```

```
const char *
```

```
ruleNames[] =
```

```
{
```

```
 "invalidRule", <grammar.allImportedRules: {rST | "<rST.name>"}; wrap="\n ", separator=", ">
```

```
};<\n>
```

```
<endif>
```

```

<if(grammar.grammarIsRoot)> <! grammar imports other grammar(s) !>
static ANTLR3_UINT32 ruleLevel = 0;
static ANTLR3_UINT32 getRuleLevel()
{
 return ruleLevel;
}
static void incRuleLevel()
{
 ruleLevel++;
}
static void decRuleLevel()
{
 ruleLevel--;
}
<else> <! imported grammar !>
static ANTLR3_UINT32
getRuleLevel()
{
 return <grammar.delegators:{g| <g:delegateName(>}>->getRuleLevel();
}
static void incRuleLevel()
{
 <grammar.delegators:{g| <g:delegateName(>}>->incRuleLevel();
}
static void
decRuleLevel()
{
 <grammar.delegators:{g| <g:delegateName(>}>.decRuleLevel();
}
<endif>
<if(profile)>
// Profiling not yet implemented for C target
//
<endif>
<if(grammar.grammarIsRoot)>
<ctorForPredefinedListener(>
<else>
<ctorForDelegateGrammar(>
<endif>

static ANTLR3_BOOLEAN
evalPredicate(p<name> ctx, ANTLR3_BOOLEAN result, const char * predicate)
{
 DBG->semanticPredicate(DBG, result, predicate);
 return result;
}<\n>
>>

```

```

@genericParser.debugStuff() ::= <<
<if(grammar.grammarIsRoot)>
<createListenerAndHandshake(>
<endif>
>>

ctorForProfilingRootGrammar() ::= <<
>>

/** Basically we don't want to set any dbg listeners as root will have it. */
ctorForDelegateGrammar() ::= <<
>>

ctorForPredefinedListener() ::= <<
>>

createListenerAndHandshake() ::= <<
{
// DEBUG MODE code
//
pANTLR3_DEBUG_EVENT_LISTENER proxy;
proxy = antlr3DebugListenerNew();
proxy->grammarFileName = INPUT->tokenSource->strFactory->newStr8(INPUT->tokenSource->strFactory,
(pANTLR3_UINT8)ctx->getGrammarFileName());

<if(TREE_PARSER)>
proxy->adaptor = ADAPTOR;
<endif>
PARSER->setDebugListener(PARSER, proxy);

// Try to connect to the debugger (waits forever for a connection)
//
proxy->handshake(proxy);

// End DEBUG MODE code
//
}
>>

@rule.preamble() ::= <<
if (getRuleLevel()==0)
{
DBG->commence(DBG);
}
DBG->enterRule(DBG, getGrammarFileName(), (const char *)"<ruleName>");

```



```

incRuleLevel();
DBG->location(DBG, <ruleDescriptor.tree.line>, <ruleDescriptor.tree.column>);<\n>
>>

@rule.postamble() ::= <<
DBG->location(DBG, <ruleDescriptor.EORNode.line>, <ruleDescriptor.EORNode.column>);<\n>
DBG->exitRule(DBG, getGrammarFileName(), (const char *)"<ruleName>");
decRuleLevel();
if (getRuleLevel()==0)
{
 DBG->terminate(DBG);
}
<\n>
>>

@checkRuleBacktrackFailure.debugClean() ::= <<
DBG->exitRule(DBG, getGrammarFileName(), (const char *)"<ruleName>");
decRuleLevel();
>>

@synpred.start() ::= "DBG->beginBacktrack(DBG, BACKTRACKING);"

@synpred.stop() ::= "DBG->endBacktrack(DBG, BACKTRACKING, success);"

// Common debug event triggers used by region overrides below

enterSubRule() ::=
 "DBG->enterSubRule(DBG, <decisionNumber>);<\n>"

exitSubRule() ::=
 "DBG->exitSubRule(DBG, <decisionNumber>);<\n>"

enterDecision() ::=
 "DBG->enterDecision(DBG, <decisionNumber>);<\n>"

exitDecision() ::=
 "DBG->exitDecision(DBG, <decisionNumber>);<\n>"

enterAlt(n) ::= "DBG->enterAlt(DBG, <n>);<\n>"

// Region overrides that tell various constructs to add debugging triggers

@block.predecision() ::= "<enterSubRule()><enterDecision()>"

@block.postdecision() ::= "<exitDecision()>"

@block.postbranch() ::= "<exitSubRule()>"

```

```

@ruleBlock.predecision() ::= "<enterDecision(>"

@ruleBlock.postdecision() ::= "<exitDecision(>"

@ruleBlockSingleAlt.prealt() ::= "<enterAlt(n=\"1\")>"

@blockSingleAlt.prealt() ::= "<enterAlt(n=\"1\")>"

@positiveClosureBlock.preloop() ::= "<enterSubRule(>"

@positiveClosureBlock.postloop() ::= "<exitSubRule(>"

@positiveClosureBlock.predecision() ::= "<enterDecision(>"

@positiveClosureBlock.postdecision() ::= "<exitDecision(>"

@positiveClosureBlock.earlyExitException() ::=
 "DBG->recognitionException(DBG, EXCEPTION);<n>"

@closureBlock.preloop() ::= "<enterSubRule(>"

@closureBlock.postloop() ::= "<exitSubRule(>"

@closureBlock.predecision() ::= "<enterDecision(>"

@closureBlock.postdecision() ::= "<exitDecision(>"

@altSwitchCase.prealt() ::= "<enterAlt(altNum)>"

@element.prematch() ::=
 "DBG->location(DBG, <e.line>, <e.pos>);" // e is arg of element

@matchSet.mismatchedSetException() ::=
 "DBG->recognitionException(DBG, EXCEPTION);"

@newNVEException.noViableAltException() ::= "DBG->recognitionException(DBG, EXCEPTION);"

dfaDecision(decisionNumber,description) ::= <<
alt<decisionNumber> = cdfa<decisionNumber>.predict(ctx, RECOGNIZER, ISTREAM,
&cdfa<decisionNumber>);
if (HASEXCEPTION())
{
 DBG->recognitionException(DBG, EXCEPTION);
 goto rule<ruleDescriptor.name>Ex;
}
<checkRuleBacktrackFailure(>
>>

```

```

@cyclicDFA.errorMethod() ::= <<
//static void
//dfaError(p<name> ctx)
//{{
// DBG->recognitionException(DBG, EXCEPTION);
//}}
>>

/** Force predicate validation to trigger an event */
evalPredicate(pred,description) ::= <<
evalPredicate(ctx, <pred>, (const char *)"<description>")
>>

```

Found in path(s):

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/templates/C/Dbg.stg

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```

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*/

```

```

/** Templates for building ASTs during tree parsing.

```

```

*
```

```

* Deal with many combinations. Dimensions are:

```

```

* Auto build or rewrite
* no label, label, list label (label/no-label handled together)
* child, root
* token, set, rule, wildcard
*
* Each combination has its own template except that label/no label
* is combined into tokenRef, ruleRef, ...
*/

/* addition memVars for returnscopes */
@returnScopeInterface.memVars() ::= <<
/* ASTTreeParser returnScopeInterface.memVars */
<recognizer.ASTLabelType; null="CommonTree"> *tree;
>>

/** the interface of returnScope methodsDecl */
@returnScopeInterface.methodsDecl() ::= <<
/* ASTTreeParser returnScopeInterface.methodsDecl */
- (<recognizer.ASTLabelType; null="CommonTree"> *)getTree;
- (void) setTree:(<recognizer.ASTLabelType; null="CommonTree"> *)aTree;<\n>
>>

/** the implementation of returnScope methods */
@returnScope.methods() ::= <<
/* ASTTreeParser returnScope.methods */
- (<ASTLabelType> *)getTree
{
 return tree;
}

- (void) setTree:(<ASTLabelType> *)aTree
{
 if (tree != aTree) {
 if (tree != nil) [tree release];
 if (aTree != nil) [aTree retain];
 tree = aTree;
 }
}

- (void) dealloc
{
 [self setTree:nil];
 [super dealloc];
}

@synthesize tree;
>>

```

```

@returnScopeProperties() ::= <<
@property (retain) <recognizer.ASTLabelType; null="CommonTree"> *tree;
>>

/** Add a variable to track last element matched */
ruleDeclarations() ::= <<
/* ASTTreeParser ruleDeclarations */
<super.ruleDeclarations()>
<ASTLabelType> *_first_0 = nil;
<ASTLabelType> *_last = nil;<\n>
>>

/** What to emit when there is no rewrite rule. For auto build
 * mode, does nothing.
 */
noRewrite(rewriteBlockLevel, treeLevel) ::= <<
/* ASTTreeParser noRewrite */
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(rewriteMode)>
retval.tree = (<ASTLabelType> *)_first_0;
if ([treeAdaptor getParent:retval.tree] != nil && [treeAdaptor isNil:[treeAdaptor getParent:retval.tree]]))
 retval.tree = (<ASTLabelType> *)[treeAdaptor getParent:retval.tree];
<endif>
<if(backtracking)>}<endif>
>>

/** match ^(root children) in tree parser; override here to
 * add tree construction actions.
 */
tree(root, actionsAfterRoot, children, nullableChildList,
 enclosingTreeLevel, treeLevel) ::= <<
/* ASTTreeParser tree */
_last = (<ASTLabelType> *)[input LT:1];
{
<ASTLabelType> *_save_last_<treeLevel> = _last;
<ASTLabelType> *_first_<treeLevel> = nil;
<if(!rewriteMode)>
<ASTLabelType> *root_<treeLevel> = [[[treeAdaptor class] newEmptyTree] retain];
<endif>
<root:element()>
<if(rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)<endif>
<if(root.el.rule)>
if (_first_<enclosingTreeLevel>==nil) _first_<enclosingTreeLevel> = <root.el.label>.tree;
<else>
if (_first_<enclosingTreeLevel>==nil) _first_<enclosingTreeLevel> = <root.el.label>;
<endif>
<endif>
}
}

```

```

<actionsAfterRoot:element()>
<if(nullableChildList)>
if ([input LA:1] == TokenTypeDOWN) {
 [self match:input TokenType:TokenTypeDOWN Follow:nil]; <checkRuleBacktrackFailure()>
 <children:element()>
 [self match:input TokenType:TokenTypeUP Follow:nil]; <checkRuleBacktrackFailure()>
}
<else>
[self match:input TokenType:TokenTypeDOWN Follow:nil]; <checkRuleBacktrackFailure()>
<children:element()>
[self match:input TokenType:TokenTypeUP Follow:nil]; <checkRuleBacktrackFailure()>
<endif>
<if(!rewriteMode)>
[treeAdaptor addChild:root_<treeLevel> toTree:root_<enclosingTreeLevel>];
<endif>
_last = _save_last_<treeLevel>;
}<\n>
>>

// TOKEN AST STUFF

/** ID! and output=AST (same as plain tokenRef) 'cept add
 * setting of _last
 */
tokenRefBang(token,label,elementIndex,terminalOptions) ::= <<
/* ASTTreeParser tokenRefBang */
_last = (<ASTLabelType> *)[input LT:1];
<super.tokenRef(...)>
>>

/** ID auto construct */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
/* ASTTreeParser tokenRef */
_last = (<ASTLabelType> *)[input LT:1];
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
 <label>_tree = [<terminalOptions.node> new<terminalOptions.node>:<label>];
<else>
 <label>_tree = (<ASTLabelType> *)[treeAdaptor dupNode:<label>];
<endif><\n>
 [treeAdaptor addChild:<label>_tree toTree:root_<treeLevel>];
<if(backtracking)>}<endif>
<else> <! rewrite mode !>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)<endif>
if (_first_<treeLevel>==nil) _first_<treeLevel> = <label>;
<endif>

```

>>

```
/** label+=TOKEN auto construct */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
/* ASTTreeParser tokenRefAndListLabel */
<tokenRef(...)>
<listLabel(elem=label,...)>
>>
```

```
/** ^(ID ...) auto construct */
tokenRefRuleRoot(token,label,elementIndex) ::= <<
/* ASTTreeParser tokenRefRuleRoot */
_last = (<ASTLabelType> *)[input LT:1];
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
<label>_tree = [<terminalOptions.node> new<terminalOptions.node>:<label>];
<else>
<label>_tree = (<ASTLabelType> *)[treeAdaptor dupNode:<label>];
<endif><\n>
root_<treeLevel> = (<ASTLabelType> *)[treeAdaptor becomeRoot:<label>_tree old:root_<treeLevel>];
<if(backtracking)>}<endif>
<endif>
>>
```

```
/** Match ^(label+=TOKEN ...) auto construct */
tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
/* ASTTreeParser tokenRefRuleRootAndListLabel */
<tokenRefRuleRoot(...)>
<listLabel(elem=label,...)>
>>
```

```
/** Match . wildcard and auto dup the node/subtree */
wildcard(token,label,elementIndex,terminalOptions) ::= <<
/* ASTTreeParser wildcard */
_last = (<ASTLabelType> *)[input LT:1];
<super.wildcard(...)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<label>_tree = (<ASTLabelType> *)[adaptor dupTree:<label>];
[adaptor addChild:<label>_tree toTree:root_<treeLevel>];
<if(backtracking)>}<endif>
<else> <! rewrite mode !>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)<endif>
if (_first_<treeLevel> == nil) _first_<treeLevel> = <label>;
<endif>
>>
```

```

// SET AST

matchSet(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
/* ASTTreeParser matchSet */
_last = (<ASTLabelType> *)[input LT:1];
<super.matchSet(postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
<label>_tree = [<terminalOptions.node> new<terminalOptions.node>:<label>];
<else>
<label>_tree = (<ASTLabelType> *)[adaptor dupNode:<label>];
<endif><\n>
[adaptor addChild:<label>_tree toTree:root_<treeLevel>];
<if(backtracking)>\}<endif>
<endif>
}, ...
)>
>>

matchRuleBlockSet(s,label,terminalOptions,elementIndex,postmatchCode,treeLevel="0") ::= <<
/* ASTTreeParser matchRuleBlockSet */
<matchSet(...)>
<noRewrite(...)> <! set return tree !>
>>

matchSetBang(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
/* ASTTreeParser matchSetBang */
_last = (<ASTLabelType> *)[input LT:1];
<super.matchSet(...)>
>>

matchSetRuleRoot(s,label,terminalOptions,elementIndex,debug) ::= <<
/* ASTTreeParser matchSetRuleRoot */
<super.matchSet(postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
<label>_tree = [<terminalOptions.node> new<terminalOptions.node>:<label>];
<else>
<label>_tree = (<ASTLabelType> *)[adaptor dupNode:<label>];
<endif><\n>
root_<treeLevel> = (<ASTLabelType> *)[adaptor becomeRoot:<label>_tree old:root_<treeLevel>];
<if(backtracking)>\}<endif>
<endif>
}, ...
)>

```



>>

// RULE REF AST

/\*\* rule auto construct \*/

ruleRef(rule,label,elementIndex,args,scope) ::= <<

/\* ASTTreeParser ruleRef \*/

\_last = (<ASTLabelType> \*)[input LT:1];

<super.ruleRef(...)>

<if(backtracking)>if ( <actions.(actionScope).synpredgate> ) <endif>

<if(!rewriteMode)>

[treeAdaptor addChild:<label>.tree toTree:root\_<treeLevel>];

<else> <! rewrite mode !>

if ( \_first\_<treeLevel> == nil ) \_first\_<treeLevel> = <label>.tree;

<endif>

>>

/\*\* x+=rule auto construct \*/

ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<

/\* ASTTreeParser ruleRefAndListLabel \*/

<ruleRef(...)>

<! <listLabel(elem = "["+label+" getTree]",...)> !>

<listLabel(elem = {[<label> getTree]},...)>

>>

/\*\* ^(rule ...) auto construct \*/

ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<

/\* ASTTreeParser ruleRefRuleRoot \*/

\_last = (<ASTLabelType> \*)[input LT:1];

<super.ruleRef(...)>

<if(!rewriteMode)>

<if(backtracking)>if ( state.backtracking == 0 ) <endif>

root\_<treeLevel> = (<ASTLabelType> \*)[treeAdaptor becomeRoot:<label>.tree old:root\_<treeLevel>];

<endif>

>>

/\*\* ^(x+=rule ...) auto construct \*/

ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<

/\* ASTTreeParser ruleRefRuleRootAndListLabel \*/

<ruleRefRuleRoot(...)>

<listLabel(elem = {[<label> getTree]},...)>

>>

/\*\* rule when output=AST and tracking for rewrite \*/

ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<

/\* ASTTreeParser ruleRefTrack \*/

\_last = (<ASTLabelType> \*)[input LT:1];

<super.ruleRefTrack(...)>

>>

```
/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
/* ASTTreeParser ruleRefTrackAndListLabel */
_last = (<ASTLabelType> *)[input LT:1];
<super.ruleRefTrackAndListLabel(...)>
>>
```

```
/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
/* ASTTreeParser ruleRefRuleRootTrack */
_last = (<ASTLabelType> *)[input LT:1];
<super.ruleRefRuleRootTrack(...)>
>>
```

```
/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
/* ASTTreeParser ruleRefRuleRootTrackAndListLabel */
_last = (<ASTLabelType> *)[input LT:1];
<super.ruleRefRuleRootTrackAndListLabel(...)>
>>
```

```
/** Streams for token refs are tree nodes now; override to
 * change nextToken to nextNode.
 */
createRewriteNodeFromElement(token,terminalOptions,scope) ::= <<
/* ASTTreeParser createRewriteNodeFromElement */
<if(terminalOptions.node)>
<! new <terminalOptions.node>(stream_<token>.nextNode()) !>
[[[<terminalOptions.node>(stream_<token> alloc] init] nextNode];
<else>
<! stream_<token>.nextNode() !>
[stream_<token> nextNode]
<endif>
>>
```

```
ruleCleanup() ::= <<
/* ASTTreeParser ruleCleanup */
<super.ruleCleanup()>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<\n><endif>
retval.tree = (<ASTLabelType> *)[treeAdaptor rulePostProcessing:root_0];
<if(backtracking)>}<endif>
<endif>
>>
```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/ObjC/ASTTreeParser.stg
```

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```

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```

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```

```
*/
```

```
/** Template overrides to add debugging to AST stuff. Dynamic inheritance
```

```
* hierarchy is set up as ASTDbg : AST : Dbg : Java by code generator.
```

```
*/
```

```
parserMembers() ::= <<
```

```
protected DebugTreeAdaptor adaptor;
```

```
public ITreeAdaptor TreeAdaptor
```

```
{
```

```
get
```

```
{
```

```
return adaptor;
```

```
}
```

```
set
```

```

{
<if(grammar.grammarIsRoot)>
 this.adaptor = new DebugTreeAdaptor(dbg,adaptor);
<else>
 this.adaptor = (DebugTreeAdaptor)adaptor; // delegator sends dbg adaptor
<endif><\n>
 <grammar.directDelegates:{g|<g:delegateName()>.TreeAdaptor = this.adaptor;}>
 }
}<\n>
>>

```

```

parserCtorBody() ::= <<
<super.parserCtorBody()>
>>

```

```

createListenerAndHandshake() ::= <<
DebugEventSocketProxy proxy = new DebugEventSocketProxy(this, port,
<if(TREE_PARSER)>input.TreeAdaptor<else>adaptor<endif>);
DebugListener = proxy;
<inputStreamType> = new Debug<inputStreamType>(input, proxy);
try
{
 proxy.Handshake();
}
catch (IOException ioe)
{
 ReportError(ioe);
}
>>

```

```

@ctorForRootGrammar.finally() ::= <<
ITreeAdaptor adap = new CommonTreeAdaptor();
TreeAdaptor = adap;
proxy.TreeAdaptor = adap;
>>

```

```

@ctorForProfilingRootGrammar.finally() ::= <<
ITreeAdaptor adap = new CommonTreeAdaptor();
TreeAdaptor = adap;
>>

```

```

@ctorForPredefinedListener.superClassRef() ::= ": base(input, dbg)"

```

```

@ctorForPredefinedListener.finally() ::= <<
<if(grammar.grammarIsRoot)><! don't create new adaptor for delegates !>
ITreeAdaptor adap = new CommonTreeAdaptor();
TreeAdaptor = adap;<\n>
<endif>

```

>>

```
//@rewriteElement.pregen() ::= "dbg.Location(<e.line>, <e.pos>);"
```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/CSharp2/ASTDbg.stg
```

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```

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```

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```
*
```

```
* Conversion to C#:
```

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```
*/
```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/CSharp3Target.java
```

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```

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\*/

/\*

\* This code generating template and the associated Cpp runtime was produced by:

\* Gokulakannan Somasundaram ( heavy lifting from C Run-time by Jim Idle )

\*/

```
cTypeInitMap ::= [
 "int" : "0", // Integers start out being 0
 "long" : "0", // Longs start out being 0
 "float" : "0.0", // Floats start out being 0
 "double": "0.0", // Doubles start out being 0
 "bool" : "false", // Booleans start out being Antlr C for false
 "byte" : "0", // Bytes start out being 0
 "short" : "0", // Shorts start out being 0
 "char" : "0" // Chars start out being 0
]
```

```
leadIn(type) ::=
```

```
<<
```

```
/** \file
```

```
* This <type> file was generated by $ANTLR version <ANTLRVersion>
```

```
*
```

```
* - From the grammar source file : <fileName>
```

```
* - On : <generatedTimestamp>
```

```

<if(LEXER)>
* - for the lexer : <name>Lexer
<endif>
<if(PARSER)>
* - for the parser : <name>Parser
<endif>
<if(TREE_PARSER)>
* - for the tree parser : <name>TreeParser
<endif>
*
* Editing it, at least manually, is not wise.
*
* C++ language generator and runtime by Gokulakannan Somasundaram (heavy lifting from C Run-time by Jim
Idle)
*
*
>>

/** The overall file structure of a recognizer; stores methods for rules
* and cyclic DFAs plus support code.
*/
outputFile(LEXER,
 PARSER,
 TREE_PARSER,
 actionScope,
 actions,
 docComment,
 recognizer,
 name,
 tokens,
 tokenNames,
 rules,
 cyclicDFAs,
 bitsets,
 buildTemplate,
 buildAST,
 rewriteMode,
 profile,
 backtracking,
 synpreds,
 memoize,
 numRules,
 fileName,
 ANTLRVersion,
 generatedTimestamp,
 trace,
 scopes,
 superClass,

```

```

 literals
) ::=
<<
<leadIn("C++ source")>
*/
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//
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<if(actions.(actionScope).header)>

/* =====
* This is what the grammar programmer asked us to put at the top of every file.
*/
<actions.(actionScope).header>
/* End of Header action.
* =====
*/
<endif>

/* -----
* Include the ANTLR3 generated header file.
*/
#include "<name>.hpp"
<if(trace)>

```



```

#include <iostream>
<endif>
<if(recognizer.grammar.delegators)>
// Include delegator definition header files
//
<recognizer.grammar.delegators: {g#include "<g.recognizerName>.hpp" }; separator="\n">
<endif>

<actions.(actionScope).postinclude>
/* ----- */

<docComment>

<if(literals)>

<beginNamespace(actions)>

/** String literals used by <name> that we must do things like MATCHS() with.
 * C will normally just lay down 8 bit characters, and you can use L"xxx" to
 * get wchar_t, but wchar_t is 16 bits on Windows, which is not UTF32 and so
 * we perform this little trick of defining the literals as arrays of UINT32
 * and passing in the address of these.
 */
<literals:{it | static ANTLR_UCHAR lit_<i>[] = <it>;}; separator="\n">

<endNamespace(actions)>

<endif>

/* ===== */

/* =====
 * Start of recognizer
 */

<recognizer>

/* End of code
 * =====
 */

>>
headerFileExtension() ::= ".hpp"

beginNamespace(actions) ::= <%
<if(actions.(actionScope).namespace)>
namespace <actions.(actionScope).namespace> {
<endif>

```

```
%>
```

```
endNamespace(actions) ::= <%
<if(actions.actionScope.namespace)>
}
<endif>
%>
```

```
headerFile(LEXER,
 PARSER,
 TREE_PARSER,
 actionScope,
 actions,
 docComment,
 recognizer,
 name,
 tokens,
 tokenNames,
 rules,
 cyclicDFAs,
 bitsets,
 buildTemplate,
 buildAST,
 rewriteMode,
 profile,
 backtracking,
 synpreds,
 memoize,
 numRules,
 fileName,
 ANTLRVersion,
 generatedTimestamp,
 trace,
 scopes,
 superClass,
 literals
) ::=
<<
<leadIn("C++ header")>
<if(PARSER)>
* The parser <mainName()> has the callable functions (rules) shown below,
<endif>
<if(LEXER)>
* The lexer <mainName()> has the callable functions (rules) shown below,
<endif>
<if(TREE_PARSER)>
* The tree parser <mainName()> has the callable functions (rules) shown below,
```

```

<endif>
* which will invoke the code for the associated rule in the source grammar
* assuming that the input stream is pointing to a token/text stream that could begin
* this rule.
*
* For instance if you call the first (topmost) rule in a parser grammar, you will
* get the results of a full parse, but calling a rule half way through the grammar will
* allow you to pass part of a full token stream to the parser, such as for syntax checking
* in editors and so on.
*
*/
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#ifndef _<name>_H
#define _<name>_H
<actions.(actionScope).preincludes>
/* =====
* Standard antlr3 C++ runtime definitions
*/
#include \<antlr3.hpp>

/* End of standard antlr 3 runtime definitions
* =====

```

```

*/

<actions.(actionScope).includes>

<if(recognizer.grammar.delegates)>
// Include delegate definition header files
//
<recognizer.grammar.delegates: {g|#include "<g.recognizerName>.hpp"}; separator="\n">

<endif>

<actions.(actionScope).header>

#ifdef WIN32
// Disable: Unreferenced parameter, - Rules with parameters that are not used
// constant conditional, - ANTLR realizes that a prediction is always true (synpred usually)
// initialized but unused variable - tree rewrite variables declared but not needed
// Unreferenced local variable - lexer rule declares but does not always use _type
// potentially uninitialized variable used - retval always returned from a rule
// unreferenced local function has been removed - susually getTokenNames or freeScope, they can go without
warnigns
//
// These are only really displayed at warning level /W4 but that is the code ideal I am aiming at
// and the codegen must generate some of these warnings by necessity, apart from 4100, which is
// usually generated when a parser rule is given a parameter that it does not use. Mostly though
// this is a matter of orthogonality hence I disable that one.
//
#pragma warning(disable : 4100)
#pragma warning(disable : 4101)
#pragma warning(disable : 4127)
#pragma warning(disable : 4189)
#pragma warning(disable : 4505)
#pragma warning(disable : 4701)
#endif
<if(backtracking)>

/* =====
* BACKTRACKING IS ENABLED
* =====
*/

<endif>

<beginNamespace(actions)>

<if(recognizer.grammar.delegators)>
// Include delegator definition classes
//

```

```

<recognizer.grammar.delegates: {g|class <g.recognizerName>; }; separator="\n">
<endif>

<actions.(actionScope).traits>
typedef <name>Traits <name>ImplTraits;

<rules:{r | <if(r.ruleDescriptor.isSynPred)> struct <r.ruleDescriptor.name> {\}; <endif>}; separator="\n">

class <name>Tokens
{
public:
/** Symbolic definitions of all the tokens that the <grammarType()> will work with.
*
* Antlr will define EOF, but we can't use that as it is too common in
* in C header files and that would be confusing. There is no way to filter this out at the moment
* so we just undef it here for now. That isn't the value we get back from C recognizers
* anyway. We are looking for ANTLR_TOKEN_EOF.
*/
enum Tokens
{
EOF_TOKEN = <name>ImplTraits::CommonTokenType::TOKEN_EOF
<tokens:{it | , <it.name> = <it.type> }; separator="\n">
};

};

/** Context tracking structure for <mainName()>
*/
class <name> : public <componentBaseType()>, public <name>Tokens
{
public:
typedef <name>ImplTraits ImplTraits;
typedef <name> ComponentType;
typedef ComponentType::StreamType StreamType;
typedef <componentBaseType()> BaseType;
typedef ImplTraits::RecognizerSharedStateType\<StreamType> RecognizerSharedStateType;
typedef StreamType InputType;
<if(recognizer.filterMode)>
static const bool IsFiltered = true;
<else>
static const bool IsFiltered = false;
<endif>

<scopes:{it | <if(it.isDynamicGlobalScope)><globalAttributeScopeDecl(it)><endif> }>
<rules:{r | <if(r.ruleDescriptor.ruleScope)><ruleAttributeScopeDecl(scope=r.ruleDescriptor.ruleScope)><endif> }>

private:
<if(recognizer.grammar.delegates)>

```

```

<recognizer.grammar.delegates:
 {g|<g.recognizerName>* m_<g.delegateName()>;}; separator="\n">
<endif>
<if(recognizer.grammar.delegators)>
 <recognizer.grammar.delegates:
 {g|<g.recognizerName>* m_<g.delegateName()>;}; separator="\n">
 <endif>
 <scopes:{it | <if(it.isDynamicGlobalScope)>
 <globalAttributeScopeDef(it)>
 <endif>}; separator="\n\n">
 <rules: {r |<if(r.ruleDescriptor.ruleScope)>
 <ruleAttributeScopeDef(scope=r.ruleDescriptor.ruleScope)>
 <endif>}>
 <@members>
 <@end>

public:
 <name>(InputType* instream<recognizer.grammar.delegators:{g|, <g.recognizerName>*
<g.delegateName()>}>);
 <name>(InputType* instream, RecognizerSharedStateType* state<recognizer.grammar.delegators:{g|,
<g.recognizerName>* <g.delegateName()>}>);

 void init(InputType* instream <recognizer.grammar.delegators:{g|, <g.recognizerName>* <g.delegateName()>}>
);

 <actions.(actionScope).context>

<if(LEXER)>
<if(recognizer.filterMode)>
 void memoize(ANTLR_MARKER ruleIndex, ANTLR_MARKER ruleParseStart);
 bool alreadyParsedRule(ANTLR_MARKER ruleIndex);
 <filteringNextToken()>
<endif>
 <rules:{r | <if(!r.ruleDescriptor.isSynPred)><headerReturnType(ruleDescriptor=r.ruleDescriptor)>
m<r.ruleDescriptor.name>(<r.ruleDescriptor.parameterScope:parameterScope()>);<endif>}; separator="\n">
 <rules:{r | <if(r.ruleDescriptor.isSynPred)> <headerReturnType(ruleDescriptor=r.ruleDescriptor)> msynpred(
antlr3::ClassForwarder\< <r.ruleDescriptor.name> > <r.ruleDescriptor.parameterScope:parameterScope()>);
 void m<r.ruleDescriptor.name>_fragment (<r.ruleDescriptor.parameterScope:parameterScope()>);<endif>};
separator="\n">
<endif>
<if(!LEXER)>
 <rules:{r | <headerReturnScope(ruleDescriptor=r.ruleDescriptor)>}>
 <rules:{r | <if(!r.ruleDescriptor.isSynPred)> <headerReturnType(ruleDescriptor=r.ruleDescriptor)>
<r.ruleDescriptor.name> (<r.ruleDescriptor.parameterScope:parameterScope()>); <endif>}; separator="\n">
 <rules:{r | <if(r.ruleDescriptor.isSynPred)> <headerReturnType(ruleDescriptor=r.ruleDescriptor)> msynpred(
antlr3::ClassForwarder\< <r.ruleDescriptor.name> > <r.ruleDescriptor.parameterScope:parameterScope()>);
 void m<r.ruleDescriptor.name>_fragment (<r.ruleDescriptor.parameterScope:parameterScope()>);<endif>};
separator="\n">

```

```

<! generate rule/method definitions for imported rules so they
appear to be defined in this recognizer. !>
// Delegated rules
<recognizer.grammar.delegatedRules:{ruleDescriptor|
 <headerReturnType(ruleDescriptor)>
 <ruleDescriptor.name>(<ruleDescriptor.parameterScope:parameterScope()>);}; separator="\n">
<endif>

const char * getGrammarFileName();
void reset();
~<name>();

};

// Function prototypes for the constructor functions that external translation units
// such as delegators and delegates may wish to call.
//
<if(!recognizer.grammar.grammarIsRoot)>
extern ANTLR_UINT8* <recognizer.grammar.composite.rootGrammar.recognizerName>TokenNames[];
<endif>

/* End of token definitions for <name>
* =====
*/

<endNamespace(actions)>

#endif

/* END - Note:Keep extra line feed to satisfy UNIX systems */

>>

grammarType() ::= <%
<if(PARSER)>
parser
<endif>
<if(LEXER)>
lexer
<endif>
<if(TREE_PARSER)>
tree parser
<endif>
%>

componentType() ::= <<
<if(PARSER)>

```

```
<name>ImplTraits::ParserType
<endif>
<if(LEXER)>
<name>ImplTraits::LexerType
<endif>
<if(TREE_PARSER)>
<name>ImplTraits::TreeParserType
<endif>
>>
```

```
componentBaseType() ::= <%
<if(PARSER)>
<name>ImplTraits::BaseParserType
<endif>
<if(LEXER)>
<name>ImplTraits::BaseLexerType
<endif>
<if(TREE_PARSER)>
<name>ImplTraits::BaseTreeParserType
<endif>
%>
```

```
streamType() ::= <<
<if(PARSER)>
<name>ImplTraits::ParserType::StreamType
<endif>
<if(LEXER)>
<name>ImplTraits::LexerType::StreamType
<endif>
<if(TREE_PARSER)>
<name>ImplTraits::TreeParserType::StreamType
<endif>
>>
```

```
mainName() ::= <%
<if(PARSER)>
<name>
<endif>
<if(LEXER)>
<name>
<endif>
<if(TREE_PARSER)>
<name>
<endif>
%>
```

```
headerReturnScope(ruleDescriptor) ::= "<returnScope(scope=ruleDescriptor.returnScope)>"
```



```

headerReturnType(ruleDescriptor) ::= <%
<if(LEXER)>
<if(!ruleDescriptor.isSynPred)>
void
<else>
<returnType()>
<endif>
<else>
<returnType()>
<endif>
%>

// Produce the lexer output
//
lexer(grammar,
name,
tokens,
scopes,
rules,
numRules,
filterMode,
superClass,
labelType="ImplTraits::CommonTokenType*") ::= <<

using namespace antlr3;

<beginNamespace(actions)>

<if(filterMode)>

/* Override the normal MEMOIZE and HAVEALREADYPARSED macros as this is a filtering
* lexer. In filter mode, the memoizing and backtracking are gated at BACKTRACKING > 1 rather
* than just BACKTRACKING. In some cases this might generate code akin to:
* if (BACKTRACKING) if (BACKTRACKING > 1) memoize.
*/
void <name>::memoize(ANTLR_MARKER ruleIndex, ANTLR_MARKER ruleParseStart)
{
BaseType* base = this;
if (this->get_backtracking()>1)
base->memoize(ruleIndex, ruleParseStart);
}

bool <name>::alreadyParsedRule(ANTLR_MARKER ruleIndex)
{
BaseType* base = this;
if (this->get_backtracking() > 1)

```

```

 return base->haveParsedRule(ruleIndex);
 return false;
}

<endif>

/* =====
* Lexer matching rules end.
* =====
*/

<scopes:{it |<if(it.isDynamicGlobalScope)><globalAttributeScope(it)><endif>}>

<actions.lexer.members>

<name>::~~<name>()
{
<if(memoize)>
 RuleMemoType* rulememo = this->getRuleMemo();
 if(rulememo != NULL)
 {
 delete rulememo;
 this->setRuleMemo(NULL);
 }
<endif>
<if(grammar.directDelegates)>
 // Free the lexers that we delegated to
 // functions to. NULL the state so we only free it once.
 //
 <grammar.directDelegates:
 {g| m_<g:delegateName()->set_lexstate(NULL);
 delete m_<g:delegateName(); }; separator="\n">
<endif>
}

void
<name>::~reset()
{
 this->get_rec()->reset();
}

/** \brief Name of the grammar file that generated this code
*/
static const char fileName[] = "<fileName>";

/** \brief Return the name of the grammar file that generated this code.
*/
const char* <name>::getGrammarFileName()

```

```

{
return fileName;
}

/** \brief Create a new lexer called <name>
*
* \param[in] instream Pointer to an initialized input stream
* \return
* - Success p<name> initialized for the lex start
* - Fail NULL
*/
<name>::<name>(StreamType* instream<grammar.delegators:{g|, <g.recognizerName>* <g.delegateName()>>>)
:<name>ImplTraits::BaseLexerType(ANTLR_SIZE_HINT, instream, NULL)
{
// See if we can create a new lexer with the standard constructor
//
this->init(instream <grammar.delegators:{g|, <g.delegateName()>>>);
}

/** \brief Create a new lexer called <name>
*
* \param[in] instream Pointer to an initialized input stream
* \param[state] state Previously created shared recognizer stat
* \return
* - Success p<name> initialized for the lex start
* - Fail NULL
*/
<name>::<name>(StreamType* instream, RecognizerSharedStateType* state<grammar.delegators:{g|,
<g.recognizerName>* <g.delegateName()>>>)
:<name>ImplTraits::BaseLexerType(ANTLR_SIZE_HINT, instream, state)
{
this->init(instream <grammar.delegators:{g|, <g.delegateName()>>> >);
}

void <name>::init(StreamType* instream<grammar.delegators:{g|, <g.recognizerName>* <g.delegateName()>> >)
{
/* -----
* Memory for basic structure is allocated, now to fill in
* in base ANTLR3 structures. We initialize the function pointers
* for the standard ANTLR3 lexer function set, but upon return
* from here, the programmer may set the pointers to provide custom
* implementations of each function.
*
* We don't use the macros defined in <name>.h here so you can get a sense
* of what goes where.
*/

<if(memoize)>

```

```

<if(grammar.grammarIsRoot)>
 // Create a LIST for recording rule memos.
 //
 this->setRuleMemo(new IntTrie(15)); /* 16 bit depth is enough for 32768 rules! */
<endif>
<endif>

<if(grammar.directDelegates)>
 // Initialize the lexers that we are going to delegate some
 // functions to.
 //
 <grammar.directDelegates:
 {g|m_<g:delegateName()> = new <g.recognizerName>(instream, this->get_lexstate(),
this<grammar.delegators:{g|, <g:delegateName()>}>);}; separator="\n">
 <endif>
<if(grammar.delegators)>
 // Install the pointers back to lexers that will delegate us to perform certain functions
 // for them.
 //
 <grammar.delegators:
 {g| m_<g:delegateName()> = <g:delegateName()>;}; separator="\n">
 <endif>
}

<if(cyclicDFAs)>

/* =====
* DFA tables for the lexer
*/
<cyclicDFAs:cyclicDFA()> <! dump tables for all DFA !>
/* =====
* End of DFA tables for the lexer
*/
<endif>

/* =====
* Functions to match the lexer grammar defined tokens from the input stream
*/

<rules; separator="\n\n">

/* =====
* Lexer matching rules end.
* =====
*/
<if(synpreds)>

/* =====

```

```

* Lexer syntactic predicates
*/
<synpreds: {p | <lexerSynpred(predname=p)>>
/* =====
* Lexer syntactic predicates end.
* =====
*/
<endif>

/* End of Lexer code
* =====
* =====
*/

<endNamespace(actions)>

>>

filteringNextToken() ::= <<
<name>ImplTraits::CommonTokenType*
<name>ImplTraits::TokenSourceType::nextToken()
{
 LexerType* lexer;
 typename LexerType::RecognizerSharedStateType* state;

 lexer = this->get_super();
 state = lexer->get_lexstate();

 /* Get rid of any previous token (token factory takes care of
 * any deallocation when this token is finally used up.
 */
 state->set_token_present(false);
 state->set_error(false); /* Start out without an exception */
 state->set_failedflag(false);

 /* Record the start of the token in our input stream.
 */
 state->set_tokenStartCharIndex(lexer->index());
 state->set_tokenStartCharPositionInLine(lexer->getCharPositionInLine());
 state->set_tokenStartLine(lexer->getLine());
 state->set_text("");

 /* Now call the matching rules and see if we can generate a new token
 */
 for (;;)
 {
 if (lexer->LA(1) == ANTLR_CHARSTREAM_EOF)

```

```
{
/* Reached the end of the stream, nothing more to do.
*/
CommonTokenType& teof = m_eofToken;

teof.set_startIndex(lexer->getCharIndex());
teof.set_stopIndex(lexer->getCharIndex());
teof.setLine(lexer->getLine());
return &teof;
}

state->set_token_present(false);
state->set_error(false); /* Start out without an exception */

{
ANTLR_MARKER m;

m = this->get_istream()->mark();
state->set_backtracking(1); /* No exceptions */
state->set_failedflag(false);

/* Call the generated lexer, see if it can get a new token together.
*/
lexer->mTokens();
state->set_backtracking(0);

<! mTokens backtracks with synpred at BACKTRACKING==2
and we set the synpredgate to allow actions at level 1. !>

if(state->get_failed())
{
lexer->rewind(m);
lexer->consume(); <! advance one char and try again !>
}
else
{
lexer->emit(); /* Assemble the token and emit it to the stream */
TokenType& tok = state->get_token();
return &tok;
}
}
}
}
}
>>

actionGate() ::= "this->get_backtracking()==0"

filteringActionGate() ::= "this->get_backtracking()==1"
```

```

/** How to generate a parser */
genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
 bitsets, inputStreamType, superClass,
 labelType, members, rewriteElementType,
 filterMode, ASTLabelType="ImplTraits::TreeType*") ::= <<

using namespace antlr3;
<if(grammar.grammarIsRoot)>
/** \brief Table of all token names in symbolic order, mainly used for
 * error reporting.
 */
ANTLR_UINT8* <name>TokenNames[<length(tokenNames)>+4]
= {
 (ANTLR_UINT8*) "\<invalid>", /* String to print to indicate an invalid token */
 (ANTLR_UINT8*) "\<EOR>",
 (ANTLR_UINT8*) "\<DOWN>",
 (ANTLR_UINT8*) "\<UP>",
 <tokenNames:{it |(ANTLR_UINT8*) <it>}; separator=",\n">
};
<endif>

<@members>

<@end>

/** \brief Name of the grammar file that generated this code
 */
static const char fileName[] = "<fileName>";

/** \brief Return the name of the grammar file that generated this code.
 */
const char* <name>::getGrammarFileName()
{
 return fileName;
}
/** \brief Create a new <name> parser and return a context for it.
 *
 * \param[in] instream Pointer to an input stream interface.
 *
 * \return Pointer to new parser context upon success.
 */
<name>::<name>(StreamType* instream<grammar.delegators:{g|, <g.recognizerName>* <g.delegateName()>>>
<constructorInitializerType("NULL")>
{
 // See if we can create a new parser with the standard constructor
 //
 this->init(instream<grammar.delegators:{g|, <g.delegateName()>>>);

```

```

}

/** \brief Create a new <name> parser and return a context for it.
 *
 * \param[in] instream Pointer to an input stream interface.
 *
 * \return Pointer to new parser context upon success.
 */
<name>::<name>(StreamType* instream, RecognizerSharedStateType* state<grammar.delegators:{g|,
<g.recognizerName>* <g.delegateName()>>>)
<constructorInitializerType("state")>
{
 this->init(instream <grammar.delegators:{g|, <g.delegateName()>>});
}

void <name>::init(StreamType* instream<grammar.delegators:{g|, <g.recognizerName>* <g.delegateName()>>})
{
 <actions.parser.apifuncs>
<if(memoize)>
<if(grammar.grammarIsRoot)>
 /* Create a LIST for recording rule memos.
 */
 typedef RecognizerSharedStateType::RuleMemoType RuleMemoType;
 this->setRuleMemo(new RuleMemoType(15)); /* 16 bit depth is enough for 32768 rules! */<\n>
<endif>
<endif>
<if(grammar.directDelegates)>
 // Initialize the lexers that we are going to delegate some
 // functions to.
 //
 <grammar.directDelegates:
 {g|m_<g.delegateName()> = new <g.recognizerName>(instream, this->get_psrstate(),
this-<grammar.delegators:{g|, <g.delegateName()>>}); separator="\n">
 <endif>
 <if(grammar.delegators)>
 // Install the pointers back to lexers that will delegate us to perform certain functions
 // for them.
 //
 <grammar.delegators: {g| m_<g.delegateName()> = <g.delegateName()>; separator="\n">
 <endif>
 /* Install the token table
 */
 this->get_psrstate()->set_tokenNames(<grammar.composite.rootGrammar.recognizerName>TokenNames);

 <@debugStuff()>
}

```



```

void
<name>::reset()
{
 this->get_rec()->reset();
}

/** Free the parser resources
*/
<name>::~~<name>()
{
 <@cleanup>
 <@end>
<if(grammar.directDelegates)>
 // Free the parsers that we delegated to
 // functions to.NULL the state so we only free it once.
 //
 <grammar.directDelegates:
 {g| m_<g:delegateName()->set_psrstate(NULL);
 delete m_<g:delegateName()->; separator="\n">
 <endif>
<if(memoize)>
<if(grammar.grammarIsRoot)>
 if(this->getRuleMemo() != NULL)
 {
 delete this->getRuleMemo();
 this->setRuleMemo(NULL);
 }
 <endif>
<endif>
}

/** Return token names used by this <grammarType>
*
* The returned pointer is used as an index into the token names table (using the token
* number as the index).
*
* \return Pointer to first char * in the table.
*/
static ANTLR_UINT8** getTokenNames()
{
 return <grammar.composite.rootGrammar.recognizerName>TokenNames;
}

<members>

/* Declare the bitsets
*/
<bitsets:{it | <bitsetDeclare(bitsetName={FOLLOW_<it.name>_in_<it.inName><it.tokenIndex>},

```

```
words64=it.bits, traits={ <name>ImplTraits })>>
```

```
<if(cyclicDFAs)>
```

```
/* =====
```

```
* DFA tables for the parser
```

```
*/
```

```
<cyclicDFAs:cyclicDFA() <! dump tables for all DFA !>
```

```
/* =====
```

```
* End of DFA tables for the parser
```

```
*/
```

```
<endif>
```

```
/* =====
```

```
* Parsing rules
```

```
*/
```

```
<rules; separator="\n\n">
```

```
<if(grammar.delegatedRules)>
```

```
// Delegated methods that appear to be a part of this
```

```
// parser
```

```
//
```

```
<grammar.delegatedRules:{ruleDescriptor|
```

```
 <return Type()> <name>::<ruleDescriptor.name>(<ruleDescriptor.parameterScope:parameterScope()>)
```

```
 {
```

```
 <if(ruleDescriptor.hasReturnValue)>return <endif>m_<ruleDescriptor.grammar:delegateName()>-
```

```
><ruleDescriptor.name>(<if(ruleDescriptor.parameterScope)><ruleDescriptor.parameterScope.attributes:{ a|<a.name>}; separator=", "><endif>);
```

```
 \}}; separator="\n">
```

```
<endif>
```

```
/* End of parsing rules
```

```
* =====
```

```
*/
```

```
/* =====
```

```
* Syntactic predicates
```

```
*/
```

```
<synpreds:{ p | <synpred(predname=p)> }>
```

```
/* End of syntactic predicates
```

```
* =====
```

```
*/
```

```
>>
```

```
constructorInitializerType(rec_state) ::= <<
```

```
<if(PARSER)>
```

```
 :ImplTraits::BaseParserType(ANTLR_SIZE_HINT, instream, <rec_state>)
```

```

<endif>
<if(TREE_PARSER)>
 :ImplTraits::BaseTreeParserType(ANTLR_SIZE_HINT, instream, <rec_state>)
<endif>
>>

parser(grammar,
 name,
 scopes,
 tokens,
 tokenNames,
 rules,
 numRules,
 bitsets,
 ASTLabelType,
 superClass="Parser",
 labelType="ImplTraits::CommonTokenType*",
 members={<actions.parser.members>}
) ::= <<
<beginNamespace(actions)>
<genericParser(inputStreamType="CommonTokenStreamType*", rewriteElementType="Token", filterMode=false,
...)>
<endNamespace(actions)>
>>

/** How to generate a tree parser; same as parser except the input
 * stream is a different type.
 */
treeParser(grammar,
 name,
 scopes,
 tokens,
 tokenNames,
 globalAction,
 rules,
 numRules,
 bitsets,
 filterMode,
 labelType={<ASTLabelType>},
 ASTLabelType="ImplTraits::TreeType*",
 superClass="TreeParser",
 members={<actions.treeparser.members>}
) ::= <<
<beginNamespace(actions)>
<genericParser(inputStreamType="CommonTreeNodeStream*", rewriteElementType="Node", ...)>
<endNamespace(actions)>
>>

```

```

/** A simpler version of a rule template that is specific to the imaginary
 * rules created for syntactic predicates. As they never have return values
 * nor parameters etc..., just give simplest possible method. Don't do
 * any of the normal memoization stuff in here either; it's a waste.
 * As predicates cannot be inlined into the invoking rule, they need to
 * be in a rule by themselves.
 */
synpredRule(ruleName, ruleDescriptor, block, description, nakedBlock) ::=
<<
// $ANTLR start <ruleName>
void <name>::m<ruleName>_fragment(<ruleDescriptor.parameterScope:parameterScope(>)
{
<ruleLabelDefs(>
<ruleLabelInitializations(>
<if(trace)>
 ANTLR_PRINTF("enter <ruleName> %d failed = %d, backtracking = %d\\n", this->LT(1),failed,this-
>get_backtracking());
 <block>
 ANTLR_PRINTF("exit <ruleName> %d, failed = %d, backtracking = %d\\n", this->LT(1),failed,this-
>get_backtracking());

<else>
 <block>
<endif>

goto rule<ruleDescriptor.name>Ex; /* Prevent compiler warnings */
rule<ruleDescriptor.name>Ex; ;
}
// $ANTLR end <ruleName>
>>

synpred(predname) ::= <<

bool <name>::msynpred(antlr3::ClassForwarder< <predname> >)
{
 ANTLR_MARKER start;
 bool success;

 this->inc_backtracking();
 <@start(>
 start = this->mark();
 this->m<predname>_fragment(); // can never throw exception
 success = !(this->get_failedflag());
 this->rewind(start);
 <@stop(>
 this->dec_backtracking();
 this->set_failedflag(false);
 return success;
}

```

```

}<\n>
>>

lexerSynpred(predname) ::= <<
<synpred(predname)>
>>

ruleMemoization(rname) ::= <<
<if(memoize)>
if ((this->get_backtracking()>0) && (this->haveParsedRule(<ruleDescriptor.index>)))
{
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!ruleDescriptor.isSynPred)>
retval.start = 0;<\n>
<endif>
<endif>
<(ruleDescriptor.actions.after):execAfter(>
<finalCode(finalBlock=finally)>
<if(!ruleDescriptor.isSynPred)>
<scopeClean()><\n>
<endif>
return <ruleReturnValue(>;
}
<endif>
>>

/** How to test for failure and return from rule */
checkRuleBacktrackFailure() ::= <<
if (this->hasException())
{
goto rule<ruleDescriptor.name>Ex;
}
<if(backtracking)>
if (this->hasFailed())
{
<scopeClean()>
<@debugClean()>
return <ruleReturnValue(>;
}
<endif>
>>

/** This rule has failed, exit indicating failure during backtrack */
ruleBacktrackFailure() ::= <<
<if(backtracking)>
if (this->get_backtracking()>0)
{
this->set_failedflag(true);
}
}

```

```

 <scopeClean()>
 return <ruleReturnValue()>;
}
<endif>
>>

/** How to generate code for a rule. This includes any return type
 * data aggregates required for multiple return values.
 */
rule(ruleName,ruleDescriptor,block,emptyRule,description,exceptions,finally,memoize) ::= <<
/**
 * $ANTLR start <ruleName>
 * <fileName>:<description>
 */
<returnType()>
<name>::<ruleName>(<ruleDescriptor.parameterScope.parameterScope()>)
{
 <if(trace)>ANTLR_PRINTF("enter <ruleName> %s failed=%d, backtracking=%d\n", this->LT(1), this-
>get_backtracking());<endif>
 <ruleDeclarations()>
 <ruleDescriptor.actions.declarations>
 <ruleLabelDefs()>
 <ruleInitializations()>
 <ruleDescriptor.actions.init>
 <ruleMemoization(rname=ruleName)>
 <ruleLabelInitializations()>

 <if(actions.(actionScope).rulecatch)>
 try {
 <else>
 <if(exceptions)>
 try {
 <endif>
 <endif>
 <@preamble()>
 {
 <block>
 }
 <ruleCleanup()>

 <if(exceptions)>
 <(ruleDescriptor.actions.after):execAfter()>
 <exceptions:{ e|<catch(decl=e.decl,action=e.action)><n}>}>
 <else>
 <if(!emptyRule)>
 if (this->hasException())
 {
 this->preporterror();

```

```

 this->precover();
 <@setErrorReturnValue()>
 }
 <if(ruleDescriptor.actions.after)>
 else
 {
 <(ruleDescriptor.actions.after):execAfter()>
 }<\n>
 <endif>
<if(actions.(actionScope).rulecatch)>
 } <actions.(actionScope).rulecatch>
 <endif>
<endif>
<endif>
<endif>

 <if(trace)>ANTLR_PRINTF("exit <ruleName> %d failed=%s backtracking=%s\n", this->LT(1), failed, this-
>get_backtracking());<endif>
 <memoize()>
<if(finally)>
 <finalCode(finalBlock=finally)>
<endif>
 <scopeClean()>
 <@postamble()>
 return <ruleReturnValue()>;
}
/* $ANTLR end <ruleName> */
>>

finalCode(finalBlock) ::= <<
{
 <finalBlock>
}

>>

catch(decl,action) ::= <<
/* catch(decl,action)
*/
}catch (<e.decl>) {
 <e.action>
}
>>

ruleDeclarations() ::= <<

<if(ruleDescriptor.hasMultipleReturnValues)>
<returnType()> retval(this);<\n>
<else>

```

```

<if(PARSER)>
 <name>ImplTraits::RuleReturnValueType _antlr_rule_exit(this);
<endif>
<if(ruleDescriptor.returnScope)>
<ruleDescriptor.returnScope.attributes: { a |
<a.type> <a.name>;
}>
<endif>
<endif>
<if(memoize)>
ANTLR_MARKER <ruleDescriptor.name>_StartIndex;
<endif>
>>

ruleInitializations() ::= <<
/* Initialize rule variables
*/
<if(ruleDescriptor.returnScope)>
<if(ruleDescriptor.hasMultipleReturnValues)>
<ruleDescriptor.returnScope.attributes: { a | <if(a.initValue)>retval.<a.name> = <a.initValue>;<endif> }>
<else>
<ruleDescriptor.returnScope.attributes: { a | <if(a.initValue)><a.name> = <a.initValue>;<endif> }>
<endif>
<endif>
<if(memoize)>
<ruleDescriptor.name>_StartIndex = this->index();<\n>
<endif>
<ruleDescriptor.useScopes: { it | m_<it>_stack.push(<it>Scope()); }; separator="\n">
<ruleDescriptor.ruleScope: { it | m_<it.name>_stack.push(<it.name>Scope()); }; separator="\n">
>>

ruleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels,
ruleDescriptor.wildcardTreeLabels,ruleDescriptor.wildcardTreeListLabels]
: { it | <labelType> <it.label.text> = NULL; }; separator="\n"
>
<[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels,ruleDescriptor.wildcardTreeListLabels]
: { it | ImplTraits::TokenPtrsListType list_<it.label.text>; }; separator="\n"
>
<ruleDescriptor.ruleLabels:ruleLabelDef(); separator="\n">
>>

ruleLabelInitializations() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!ruleDescriptor.isSynPred)>
retval.call_start_placeholder();
<endif>
<endif>

```



>>

```
lexerRuleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]
: {it | <labelType> <it.label.text> = NULL;}; separator="\n"
>
<ruleDescriptor.charLabels: {it | ANTLR_UINT32 <it.label.text>;}; separator="\n">
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels,
ruleDescriptor.ruleListLabels]
: {it | ImplTraits::IntTrieType<CommonTokenType>* list_<it.label.text>;}; separator="\n"
>
>>
```

```
lexerRuleLabelInit() ::= <<
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels,
ruleDescriptor.ruleListLabels]
: {it | list_<it.label.text> = new ImplTraits::IntTrieType<CommonTokenType>(31);}; separator="\n"
>
>>
```

```
lexerRuleLabelFree() ::= <<
<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]
: {it | <it.label.text> = NULL;}; separator="\n"
>
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels,
ruleDescriptor.ruleListLabels]
: {it | delete list_<it.label.text>;}; separator="\n"
>
>>
```

```
ruleReturnValue() ::= <%
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasReturnValue)>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnName>
<else>
retval
<endif>
<endif>
<endif>
%>
```

```

memoize() ::= <<
<if(memoize)>
<if(backtracking)>
if (this->get_backtracking() > 0) { this->memoize(<ruleDescriptor.index>, <ruleDescriptor.name>_StartIndex); }
<endif>
<endif>
>>

```

```

ruleCleanUp() ::= <<

// This is where rules clean up and exit
//
goto rule<ruleDescriptor.name>Ex; /* Prevent compiler warnings */
rule<ruleDescriptor.name>Ex; ;
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!TREE_PARSER)>
<if(!ruleDescriptor.isSynPred)>
retval.call_stop_placeholder();<\n>
<endif>
<endif>
<endif>
>>

```

```

scopeClean() ::= <<
<ruleDescriptor.useScopes:{it | m_<it>_stack.pop(); }; separator="\n">
<ruleDescriptor.ruleScope:{it | m_<it.name>_stack.pop(); }; separator="\n">

```

```

>>
/** How to generate a rule in the lexer; naked blocks are used for
 * fragment rules, which do not produce tokens.
 */
lexerRule(ruleName,nakedBlock,ruleDescriptor,block,memoize) ::= <<
// Comes from: <block.description>
/** \brief Lexer rule generated by ANTLR3
 *
 * $ANTLR start <ruleName>
 *
 * Looks to match the characters the constitute the token <ruleName>
 * from the attached input stream.
 *
 * \remark
 * - lexer->error == true if an exception was thrown.
 */
void <name>::m<ruleName>(<ruleDescriptor.parameterScope:parameterScope(>))
{
 ANTLR_UINT32 _type;

```

```

<ruleDeclarations()>
<ruleDescriptor.actions.declarations>
<lexerRuleLabelDefs()>
<if(trace)>
std::cout <<< "enter <ruleName> " <<< (char)this->LA(1)
 <<< " line=" <<< this->getLine() <<< ":" <<< this->getCharPositionInLine()
 <<< " failed=" <<< this->get_failedflag() <<< " backtracking=" <<< this->get_backtracking() <<<
std::endl;
<endif>

<if(nakedBlock)>
 <ruleMemoization(rname=ruleName)>
 <lexerRuleLabelInit()>
 <ruleDescriptor.actions.init>

 <block><<\n>
<else>
 <ruleMemoization(rname=ruleName)>
 <lexerRuleLabelInit()>
 _type = <ruleName>;

 <ruleDescriptor.actions.init>

 <block>
this->get_lexstate()->set_type(_type);
<endif>
 <if(trace)>
std::cout <<< "exit <ruleName> " <<< (char)this->LA(1)
 <<< " line=" <<< this->getLine() <<< ":" <<< this->getCharPositionInLine()
 <<< " failed=" <<< this->get_failedflag() <<< " backtracking=" <<< this->get_backtracking() <<<
std::endl;
 <endif>
 <ruleCleanUp()>
 <lexerRuleLabelFree()>
 <(ruleDescriptor.actions.after):execAfter()>
 <memoize>
}
// $ANTLR end <ruleName>
>>

/** How to generate code for the implicitly-defined lexer grammar rule
 * that chooses between lexer rules.
 */
tokensRule(ruleName,nakedBlock,args,block,ruleDescriptor) ::= <<
/** This is the entry point in to the lexer from an object that
 * wants to generate the next token, such as a pCOMMON_TOKEN_STREAM
 */
void

```

```

<name>::mTokens()
{
 <block><\n>

 goto ruleTokensEx; /* Prevent compiler warnings */
ruleTokensEx: ;
}
>>

// S U B R U L E S

/** A (...) subrule with multiple alternatives */
block(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<

// <fileName>:<description>
{
 int alt<decisionNumber>=<maxAlt>;
 <decls>
 <@predecision()>
 <decision>
 <@postdecision()>
 <@prebranch()>
 switch (alt<decisionNumber>)
 {
 <alts:{ a | <altSwitchCase(i,a)> }>
 }
 <@postbranch()>
}
>>

/** A rule block with multiple alternatives */
ruleBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
{
 // <fileName>:<description>

 ANTLR_UINT32 alt<decisionNumber>;

 alt<decisionNumber>=<maxAlt>;

 <decls>
 <@predecision()>
 <decision>
 <@postdecision()>
 switch (alt<decisionNumber>)
 {
 <alts:{ a | <altSwitchCase(i,a)> }>
 }
}

```

>>

```
ruleBlockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
// <fileName>:<description>
<decls>
<@prealt()>
<alts>
<@postalt()>
>>
```

*/\*\* A special case of a (...) subrule with a single alternative \*/*

```
blockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
// <fileName>:<description>
<decls>
<@prealt()>
<alts>
<@postalt()>
>>
```

*/\*\* A (..)+ block with 1 or more alternatives \*/*

```
positiveClosureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
// <fileName>:<description>
{
 int cnt<decisionNumber>=0;
 <decls>
 <@preloop()>

 for (;)
 {
 int alt<decisionNumber>=<maxAlt>;
 <@predecision()>
 <decision>
 <@postdecision()>
 switch (alt<decisionNumber>)
 {
 <alts:{ a | <altSwitchCase(i,a)> }>
 default:

 if (cnt<decisionNumber> >= 1)
 {
 goto loop<decisionNumber>;
 }
 <ruleBacktrackFailure()>
 <earlyExitEx()>
 <@earlyExitException()>
 goto rule<ruleDescriptor.name>Ex;
 }
}
```

```

cnt<decisionNumber>++;
}
loop<decisionNumber>; /* Jump to here if this rule does not match */
<@postloop()>
}
>>

earlyExitEx() ::= <<
/* mismatchedSetEx()
*/
new ANTLR_Exception<< <name>ImplTraits, EARLY_EXIT_EXCEPTION, StreamType>(this->get_rec(), "");
<\n>
>>
positiveClosureBlockSingleAlt ::= positiveClosureBlock

/** A (..)* block with 1 or more alternatives */
closureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::=
<<

// <fileName>:<description>
<decls>

<@preloop()>
for (;;)
{
int alt<decisionNumber>=<maxAlt>;
<@predecision()>
<decision>
<@postdecision()>
switch (alt<decisionNumber>)
{
<alts:{ a | <altSwitchCase(i,a)> }>
default:
goto loop<decisionNumber>; /* break out of the loop */
break;
}
}
loop<decisionNumber>; /* Jump out to here if this rule does not match */
<@postloop()>
>>

closureBlockSingleAlt ::= closureBlock

/** Optional blocks (x)? are translated to (x|) by antlr before code generation
* so we can just use the normal block template
*/
optionalBlock ::= block

```

```
optionalBlockSingleAlt ::= block
```

```
/** A case in a switch that jumps to an alternative given the alternative
 * number. A DFA predicts the alternative and then a simple switch
 * does the jump to the code that actually matches that alternative.
 */
```

```
altSwitchCase(altNum,alt) ::= <<
case <altNum>:
 <@prealt()>
 <alt>
 break;<\n>
>>
```

```
/** An alternative is just a list of elements; at outermost level */
alt(elements,altNum,description,autoAST,outerAlt,treeLevel,rew) ::= <<
// <fileName>:<description>
{
 <@declarations()>
 <@initializations()>
 <elements:element()>
 <rew>
 <@cleanup()>
}
>>
```

```
// E L E M E N T S
```

```
/** What to emit when there is no rewrite. For auto build
 * mode, does nothing.
 */
```

```
noRewrite(rewriteBlockLevel, treeLevel) ::= ""
```

```
/** Dump the elements one per line */
element(e) ::= <<
<@prematch()>
<e.el><\n>
>>
```

```
/** match a token optionally with a label in front */
```

```
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
<if(label)><label> = <endif> this->matchToken(<token>, &FOLLOW_<token>_in_<ruleName><elementIndex>);
<checkRuleBacktrackFailure()>
>>
```

```
/** ids+=ID */
```

```
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>
```

```
listLabel(label,elem) ::= <<
list_<label>.push_back(<elem>);
>>
```

```
/** match a character */
charRef(char,label) ::= <<
<if(label)>
<label> = this->LA(1);<\n>
<endif>
this->matchc(<char>);
<checkRuleBacktrackFailure()>
>>
```

```
/** match a character range */
charRangeRef(a,b,label) ::= <<
<if(label)>
<label> = this->LA(1);<\n>
<endif>
this->matchRange(<a>,);
<checkRuleBacktrackFailure()>
>>
```

```
/** For now, sets are interval tests and must be tested inline */
matchSet(s,label,elementIndex,terminalOptions,postmatchCode="") ::= <<
<if(label)>
<if(LEXER)>
<label>= this->LA(1);<\n>
<else>
<label>=(<labelType>) this->LT(1);<\n>
<endif>
<endif>
if (<s>)
{
this->consume();
<postmatchCode>
<if(!LEXER)>
this->set_perror_recovery(false);
<endif>
<if(backtracking)> this->set_failedflag(false); <\n><endif>
}
else
{
<ruleBacktrackFailure()>
<mismatchedSetEx()>
<@mismatchedSetException()>
<if(LEXER)>
```



```

 this->recover();
<else>
<! use following code to make it recover inline;
 this->recoverFromMismatchedSet(&FOLLOW_set_in_<ruleName><elementIndex>);
!>
<endif>
 goto rule<ruleDescriptor.name>Ex;
}<\n>
>>

mismatchedSetEx() ::= <<
new ANTLR_Exception\< <name>ImplTraits, MISMATCHED_SET_EXCEPTION, StreamType>(this->get_rec(),
"");
<if(PARSER)>
this->get_exception()->set_expectingSet(NULL);
<! use following code to make it recover inline;
this->get_exception()->set_expectingSet(&FOLLOW_set_in_<ruleName><elementIndex>);
!>
<endif>
>>

matchRuleBlockSet ::= matchSet

matchSetAndListLabel(s,label,elementIndex,postmatchCode) ::= <<
<matchSet(...)>
<listLabel(elem=label,...)>
>>

/** Match a string literal */
lexerStringRef(string,label,elementIndex) ::= <<
<if(label)>
ANTLR_MARKER <label>Start = this->getCharIndex();
ANTLR_UINT32 <label>StartLine<elementIndex> = this->getLine();
ANTLR_UINT32 <label>StartCharPos<elementIndex> = this->getCharPositionInLine();
this->matchs(<string>);
<checkRuleBacktrackFailure()>
<label> = new CommonTokenType;
<label>->set_type(CommonTokenType::TOKEN_INVALID);
<label>->set_startIndex(<label>Start);
<label>->set_stopIndex(this->getCharIndex()-1);
<label>->set_input(this->get_input());
<label>->set_line(<label>StartLine<elementIndex>);
<label>->set_charPositionInLine(<label>StartCharPos<elementIndex>);
<else>
this->matchs(<string>);
<checkRuleBacktrackFailure()><\n>
<endif>
>>

```

```

wildcard(token,label,elementIndex,terminalOptions) ::= <<
<if(label)>
<label>=(<labelType>)this->LT(1);<\n>
<endif>
this->matchAnyToken();
<checkRuleBacktrackFailure()>
>>

```

```

wildcardAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<wildcard(...)>
<listLabel(elem=label,...)>
>>

```

```

/** Match . wildcard in lexer */
wildcardChar(label, elementIndex) ::= <<
<if(label)>
<label> = this->LA(1);<\n>
<endif>
this->matchAny();
<checkRuleBacktrackFailure()>
>>

```

```

wildcardCharListLabel(label, elementIndex) ::= <<
<wildcardChar(...)>
<listLabel(elem=label,...)>
>>

```

```

/** Match a rule reference by invoking it possibly with arguments
 * and a return value or values. The 'rule' argument was the
 * target rule name, but now is type Rule, whose toString is
 * same: the rule name. Now though you can access full rule
 * descriptor stuff.
 */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
this->followPush(FOLLOW_<rule.name>_in_<ruleName><elementIndex>);
<if(label)><label>=<endif><if(scope)>m_<scope:delegateName()-><endif><rule.name><(if(args)><args;
separator=", "><endif>);<\n>
this->followPop();
<checkRuleBacktrackFailure()>
>>

```

```

/** ids+=r */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(elem=label,...)>
>>

```

```

/** A lexer rule reference
 * The 'rule' argument was the target rule name, but now
 * is type Rule, whose toString is same: the rule name.
 * Now though you can access full rule descriptor stuff.
 */
lexerRuleRef(rule,label,args,elementIndex,scope) ::= <<
/* <description> */
<if(label)>
{
 ANTLR_MARKER <label>Start<elementIndex> = this->getCharIndex();
 ANTLR_UINT32 <label>StartLine<elementIndex> = this->getLine();
 ANTLR_UINT32 <label>StartCharPos<elementIndex> = this->getCharPositionInLine();
 <if(scope)>m_<scope:delegateName()-><endif>m<rule.name>(<if(scope)>m_<scope:delegateName()-><endif>
<if(args)>, <endif><args; separator=", ">;
 <checkRuleBacktrackFailure()->
 <label> = new CommonTokenType();
 <label>->set_type(CommonTokenType::TOKEN_INVALID);
 <label>->set_startIndex(<label>Start<elementIndex>);
 <label>->set_stopIndex(this->getCharIndex()-1);
 <label>->set_input(this->get_input());
 <label>->set_line(<label>StartLine<elementIndex>);
 <label>->set_charPositionInLine(<label>StartCharPos<elementIndex>);
}
<else>
<if(scope)>m_<scope:delegateName()-><endif>m<rule.name>(<args; separator=", ">;
<checkRuleBacktrackFailure()->
<endif>
>>

/** i+=INT in lexer */
lexerRuleRefAndListLabel(rule,label,args,elementIndex,scope) ::= <<
<lexerRuleRef(...)>
<listLabel(elem=label,...)>
>>

/** EOF in the lexer */
lexerMatchEOF(label,elementIndex) ::= <<
<if(label)>
{
 ANTLR_UINT32 <label>Start<elementIndex>;
 ANTLR_UINT32 <label>StartLine<elementIndex> = this->getLine();
 ANTLR_UINT32 <label>StartCharPos<elementIndex> = this->getCharPositionInLine();
 <labelType> <label>;
 <label>Start<elementIndex> = this->getCharIndex();
 this->matchc(ANTLR_CHARSTREAM_EOF);
 <checkRuleBacktrackFailure()->
 <label> = new CommonTokenType();
 <label>->set_type(CommonTokenType::TOKEN_EOF);

```

```

<label>->set_startIndex(<label>Start<elementIndex>);
<label>->set_stopIndex(this->getCharIndex()-1);
<label>->set_input(this->get_input());
<label>->set_line(<label>StartLine<elementIndex>);
<label>->set_charPositionInLine(<label>StartCharPos<elementIndex>);
}
<else>
 this->matchc(ANTLR_CHARSTREAM_EOF);
 <checkRuleBacktrackFailure()>
 <endif>
>>

// used for left-recursive rules
recRuleDefArg() ::= "int <recRuleArg()>"
recRuleArg() ::= "_p"
recRuleAltPredicate(ruleName,opPrec) ::= "<recRuleArg()> \<= <opPrec>"
recRuleSetResultAction() ::= "root_0=$<ruleName>_primary.tree;"
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>;"

/** match ^(root children) in tree parser */
tree(root, actionsAfterRoot, children, nullableChildList, enclosingTreeLevel, treeLevel) ::= <<
<root:element()>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if (this->LA(1)== CommonTokenType::TOKEN_DOWN) {
 this->matchToken(CommonTokenType::TOKEN_DOWN, NULL);
 <checkRuleBacktrackFailure()>
 <children:element()>
 this->matchToken(CommonTokenType::TOKEN_UP, NULL);
 <checkRuleBacktrackFailure()>
}
<else>
this->matchToken(CommonTokenType::TOKEN_DOWN, NULL);
<checkRuleBacktrackFailure()>
<children:element()>
this->matchToken(CommonTokenType::TOKEN_UP, NULL);
<checkRuleBacktrackFailure()>
<endif>
>>

/** Every predicate is used as a validating predicate (even when it is
 * also hoisted into a prediction expression).
 */
validateSemanticPredicate(pred,description) ::= <<
if (!(<evalPredicate(...)>)
{
 <ruleBacktrackFailure()>
 <newFPE(...)>

```

```

}
>>

newFPE() ::= <<
ExceptionBaseType* ex = new ANTLR_Exception\< <name>ImplTraits, FAILED_PREDICATE_EXCEPTION,
StreamType>(this->get_rec(), "<description>");
ex->set_ruleName("<ruleName>");
<\n>
>>

// F i x e d D F A (if-then-else)

dfaState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<

{
int LA<decisionNumber>_<stateNumber> = this->LA(<k>);
<edges; separator="\nelse ">
else
{
<if(eotPredictsAlt)>
alt<decisionNumber>=<eotPredictsAlt>;
<else>
<ruleBacktrackFailure()>

<newNVException()>
goto rule<ruleDescriptor.name>Ex;

<endif>
}
}
>>

newNVException() ::= <<
ExceptionBaseType* ex = new ANTLR_Exception\< <name>ImplTraits, NO_VIABLE_ALT_EXCEPTION,
StreamType>(this->get_rec(), "<description>");
ex->set_decisionNum(<decisionNumber>);
ex->set_state(<stateNumber>);
<@noViableAltException()>
<\n>
>>

/** Same as a normal DFA state except that we don't examine lookahead
 * for the bypass alternative. It delays error detection but this
 * is faster, smaller, and more what people expect. For (X)? people
 * expect "if (LA(1)==X) match(X);" and that's it.
 */
dfaOptionalBlockState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
{

```

```

 int LA<decisionNumber>_<stateNumber> = this->LA(<k>);
 <edges; separator="\nelse ">
}
>>

/** A DFA state that is actually the loopback decision of a closure
 * loop. If end-of-token (EOT) predicts any of the targets then it
 * should act like a default clause (i.e., no error can be generated).
 * This is used only in the lexer so that for ('a')* on the end of a rule
 * anything other than 'a' predicts exiting.
 */

dfaLoopbackStateDecls() ::= <<
ANTLR_UINT32 LA<decisionNumber>_<stateNumber>;
>>

dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
{
 /* dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState)
 */
 int LA<decisionNumber>_<stateNumber> = this->LA(<k>);
 <edges; separator="\nelse "><n>
 <if(eotPredictsAlt)>
 <if(!edges)>
alt<decisionNumber>=<eotPredictsAlt>; <! if no edges, don't gen ELSE !>
<else>
 else
 {
alt<decisionNumber>=<eotPredictsAlt>;
 }<n>
 <endif>
 <endif>
}
>>

/** An accept state indicates a unique alternative has been predicted */
dfaAcceptState(alt) ::= "alt<decisionNumber>=<alt>";

/** A simple edge with an expression. If the expression is satisfied,
 * enter to the target state. To handle gated productions, we may
 * have to evaluate some predicates for this edge.
 */
dfaEdge(labelExpr, targetState, predicates) ::= <<
if ((<labelExpr><if(predicates)> && (<predicates><endif>))
{
 <targetState>
}
>>

```

```

// F i x e d D F A (switch case)

/** A DFA state where a SWITCH may be generated. The code generator
 * decides if this is possible: CodeGenerator.canGenerateSwitch().
 */
dfaStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch (this->LA(<k>))
{
<edges; separator="\n">

default:
<if(eotPredictsAlt)>
 alt<decisionNumber>=<eotPredictsAlt>;
<else>
 <ruleBacktrackFailure()>
 <newNVEException()>
 goto rule<ruleDescriptor.name>Ex;<\n>
<endif>
}<\n>
>>

dfaOptionalBlockStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch (this->LA(<k>))
{
 <edges; separator="\n">
}<\n>
>>

dfaLoopbackStateSwitch(k, edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch (this->LA(<k>))
{
<edges; separator="\n"><\n>
<if(eotPredictsAlt)>
default:
 alt<decisionNumber>=<eotPredictsAlt>;
 break;<\n>
<endif>
}<\n>
>>

dfaEdgeSwitch(labels, targetState) ::= <<
<labels: {it |case <it>:}; separator="\n">
{
 <targetState>
}
break;
>>

```

```

// C y c l i c D F A

/** The code to initiate execution of a cyclic DFA; this is used
 * in the rule to predict an alt just like the fixed DFA case.
 * The <name> attribute is inherited via the parser, lexer, ...
 */
dfaDecision(decisionNumber,description) ::= <<
alt<decisionNumber> = cdfa<decisionNumber>.predict(this, this->get_rec(), this->get_istream(),
cdfa<decisionNumber>);
<checkRuleBacktrackFailure()>
>>

/* Dump DFA tables as static initialized arrays of shorts(16 bits)/characters(8 bits)
 * which are then used to statically initialize the dfa structure, which means that there
 * is no runtime initialization whatsoever, other than anything the C compiler might
 * need to generate. In general the C compiler will lay out memory such that there is no
 * runtime code required.
 */
cyclicDFA(dfa) ::= <<
/** Static dfa state tables for Cyclic dfa:
 * <dfa.description>
 */
static const ANTLR_INT32 dfa<dfa.decisionNumber>_eot[<dfa.numberofStates>] =
{
<dfa.eot; wrap="\n", separator=" ", null="-1">
};
static const ANTLR_INT32 dfa<dfa.decisionNumber>_eof[<dfa.numberofStates>] =
{
<dfa.eof; wrap="\n", separator=" ", null="-1">
};
static const ANTLR_INT32 dfa<dfa.decisionNumber>_min[<dfa.numberofStates>] =
{
<dfa.min; wrap="\n", separator=" ", null="-1">
};
static const ANTLR_INT32 dfa<dfa.decisionNumber>_max[<dfa.numberofStates>] =
{
<dfa.max; wrap="\n", separator=" ", null="-1">
};
static const ANTLR_INT32 dfa<dfa.decisionNumber>_accept[<dfa.numberofStates>] =
{
<dfa.accept; wrap="\n", separator=" ", null="-1">
};
static const ANTLR_INT32 dfa<dfa.decisionNumber>_special[<dfa.numberofStates>] =
{
<dfa.special; wrap="\n", separator=" ", null="-1">
};

/** Used when there is no transition table entry for a particular state */

```



```

static const ANTLR_INT32* dfa<dfa.decisionNumber>_T_empty = NULL;

<dfa.edgeTransitionClassMap.keys:{ table |
static const ANTLR_INT32 dfa<dfa.decisionNumber>_T<i0>[] =
 {
 <table; separator=", ", wrap="\n", null="-1">
 \};<\n>}; null = "">

/* Transition tables are a table of sub tables, with some tables
* reused for efficiency.
*/
static const ANTLR_INT32 * const dfa<dfa.decisionNumber>_transitions[] =
{
 <dfa.transitionEdgeTables:{ xref[dfa<dfa.decisionNumber>_T<xref>]; separator=", ", wrap="\n", null="NULL">
};

<@errorMethod()>

/* Declare tracking structure for Cyclic DFA <dfa.decisionNumber>
*/
class <name>CyclicDFA<dfa.decisionNumber> : public CyclicDFA\< <name>ImplTraits, <name> >, public
<name>Tokens
{
public:
typedef CyclicDFA\< <name>ImplTraits, <name> > BaseType;
typedef BaseType::ContextType CtxType;

private:
<if(dfa.specialStateSTs)>
//to maintain C-Target compatibility, we need to make some of ctx functions look like member funcs
CtxType* m_ctx;
<endif>

public:
<name>CyclicDFA<dfa.decisionNumber>(ANTLR_INT32 decisionNumber
 , const ANTLR_UCHAR* description
 , const ANTLR_INT32* const eot
 , const ANTLR_INT32* const eof
 , const ANTLR_INT32* const min
 , const ANTLR_INT32* const max
 , const ANTLR_INT32* const accept
 , const ANTLR_INT32* const special
 , const ANTLR_INT32* const *const transition)
:BaseType(decisionNumber, description, eot, eof, min, max, accept,
 special, transition)
{
<if(dfa.specialStateSTs)>
m_ctx = NULL;

```

```

<endif>
}

<if(dfa.specialStateSTs)>
ANTLR_UINT32 LA(ANTLR_INT32 i)
{
 return m_ctx->LA(i);
}

<if(PARSER)>
const CtxType::CommonTokenType* LT(ANTLR_INT32 k)
{
 return m_ctx->LT(k);
}
<endif>
<if(synpreds)>
template<typename PredType>
bool msynpred(PredType pred)
{
 return m_ctx->msynpred(pred);
}
<endif>

ANTLR_INT32 specialStateTransition(CtxType * ctx, RecognizerType* recognizer, IntStreamType* is,
ANTLR_INT32 s)
{
 ANTLR_INT32 _s;

 m_ctx = ctx;
 _s = s;
 switch (s)
 {
 <dfa.specialStateSTs:{state |
 case <i0>:

 <state>}; separator="\n">
 }
 <if(backtracking)>
 if (ctx->get_backtracking() > 0)
 {
 ctx->set_failedflag(true);
 return -1;
 }
 <endif>
 ExceptionBaseType* ex = new ANTLR_Exception<< <name>ImplTraits, NO_VIABLE_ALT_EXCEPTION,
StreamType>(recognizer, "<dfa.description>");
 ex->set_decisionNum(<dfa.decisionNumber>);
 ex->set_state(_s);

```

```

 <@noViableAltException()>
 return -1;
}
<endif>
};

static <name>CyclicDFA<dfa.decisionNumber> cdfa<dfa.decisionNumber>(
 <dfa.decisionNumber>, /* Decision number of this dfa */
 /* Which decision this represents: */
 (const ANTLR_UCHAR*)<dfa.description>,
 dfa<dfa.decisionNumber>_eot, /* EOT table */
 dfa<dfa.decisionNumber>_eof, /* EOF table */
 dfa<dfa.decisionNumber>_min, /* Minimum tokens for each state */
 dfa<dfa.decisionNumber>_max, /* Maximum tokens for each state */
 dfa<dfa.decisionNumber>_accept, /* Accept table */
 dfa<dfa.decisionNumber>_special, /* Special transition states */
 dfa<dfa.decisionNumber>_transitions /* Table of transition tables */

);

/* End of Cyclic DFA <dfa.decisionNumber>
* -----
*/
>>

/** A state in a cyclic DFA; it's a special state and part of a big switch on
* state.
*/
cyclicDFAState(decisionNumber,stateNumber,edges,needErrorClause,semPredState) ::= <<
{
 ANTLR_UINT32 LA<decisionNumber>_<stateNumber>;<\n>
 ANTLR_MARKER index<decisionNumber>_<stateNumber>;<\n>

 LA<decisionNumber>_<stateNumber> = ctx->LA(1);<\n>
 <if(semPredState)> <! get next lookahead symbol to test edges, then rewind !>
 index<decisionNumber>_<stateNumber> = ctx->index();<\n>
 ctx->rewindLast();<\n>
 <endif>
 s = -1;
 <edges; separator="\nelse ">
 <if(semPredState)> <! return input cursor to state before we rewound !>
 ctx->seek(index<decisionNumber>_<stateNumber>);<\n>
 <endif>
 if (s>=0)
 {
return s;
 }
}

```

```

}
break;
>>

/** Just like a fixed DFA edge, test the lookahead and indicate what
 * state to jump to next if successful.
 */
cyclicDFAEdge(labelExpr, targetStateNumber, edgeNumber, predicates) ::= <<
if ((<labelExpr> <if(predicates)>&& (<predicates>)<endif>)
{
 s = <targetStateNumber>;
}<\n>
>>

/** An edge pointing at end-of-token; essentially matches any char;
 * always jump to the target.
 */
eotDFAEdge(targetStateNumber,edgeNumber, predicates) ::= <<
s = <targetStateNumber>;<\n>
>>

// D F A E X P R E S S I O N S

andPredicates(left,right) ::= "((<left>)&& (<right>))"

orPredicates(operands) ::= "(<operands:{o|(<o>)}; separator=\\|\\>)"

notPredicate(pred) ::= "!(<evalPredicate(pred,{ })>)"

evalPredicate(pred,description) ::= "(<pred>)"

evalSynPredicate(pred,description) ::= "this->msynpred(antlr3::ClassForwarder<<pred>>())"

lookaheadTest(atom,k,atomAsInt) ::= "LA<decisionNumber>_<stateNumber> == <atom>"

/** Sometimes a lookahead test cannot assume that LA(k) is in a temp variable
 * somewhere. Must ask for the lookahead directly.
 */
isolatedLookaheadTest(atom,k,atomAsInt) ::= "this->LA(<k>) == <atom>"

lookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= <%
((LA<decisionNumber>_<stateNumber> >= <lower>) && (LA<decisionNumber>_<stateNumber> \<= <upper>))
%>

isolatedLookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= "((this->LA(<k>) >=
<lower>) && (this->LA(<k>) \<= <upper>))"

```

```
setTest(ranges) ::= "<ranges; separator=\\|\\>"
```

```
// A T T R I B U T E S
```

```
makeScopeSet() ::= <<
```

```
/* makeScopeSet()
```

```
*/
```

```
/** Definition of the <scope.name> scope variable tracking
```

```
* structure. An instance of this structure is created by calling
```

```
* <name>_<scope.name>Push().
```

```
*/
```

```
struct <scopeStruct(sname=scope.name,...)>
```

```
{
```

```
/* =====
```

```
* Programmer defined variables...
```

```
*/
```

```
<scope.attributes:{it |<it.decl>;}; separator="\n">
```

```
/* End of programmer defined variables
```

```
* =====
```

```
*/
```

```
};
```

```
>>
```

```
globalAttributeScopeDecl(scope) ::= <<
```

```
<if(scope.attributes)>
```

```
/* globalAttributeScopeDecl(scope)
```

```
*/
```

```
<makeScopeSet(...)>
```

```
<endif>
```

```
>>
```

```
ruleAttributeScopeDecl(scope) ::= <<
```

```
<if(scope.attributes)>
```

```
/* ruleAttributeScopeDecl(scope)
```

```
*/
```

```
<makeScopeSet(...)>
```

```
<endif>
```

```
>>
```

```
globalAttributeScopeDef(scope) ::=
```

```
<<
```

```
/* globalAttributeScopeDef(scope)
```

```
*/
```

```
<if(scope.attributes)>
```

```
StackType\< <scopeStruct(sname=scope.name)> > <scopeStack(sname=scope.name)>;
```

```

<endif>
>>

ruleAttributeScopeDef(scope) ::= <<
<if(scope.attributes)>
/* ruleAttributeScopeDef(scope)
*/
StackType\< <scopeStruct(sname=scope.name)> > <scopeStack(sname=scope.name,...)>;

<endif>
>>

scopeStruct(sname) ::= <<
<sname>Scope
>>

scopeStack(sname) ::= <<
m_<sname>_stack
>>

returnStructName(r) ::= "<r.name>_return"

returnType() ::= <%
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasMultipleReturnValues)>
<ruleDescriptor.grammar.recognizerName>::<ruleDescriptor:returnStructName()>
<else>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnType>
<else>
void
<endif>
<endif>
<else>
bool
<endif>
%>

/** Generate the C type associated with a single or multiple return
* value(s).
*/
ruleLabelType(referencedRule) ::= <%
<if(referencedRule.hasMultipleReturnValues)>
<referencedRule.name>_return
<else>
<if(referencedRule.hasSingleReturnValue)>
<referencedRule.singleValueReturnType>

```

```

<else>
void
<endif>
<endif>
%>

delegateName(d) ::= <<
<if(d.label)><d.label><else>g<d.name><endif>
>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "0".
 */
initValue(typeName) ::= <<
= <cTypeInitMap.(typeName)>
>>

/** Define a rule label */
ruleLabelDef(label) ::= <<
<ruleLabelType(referencedRule=label.referencedRule)> <label.label.text>;
>>
/** Rule label default value */
ruleLabelInitVal(label) ::= <<
>>

ASTLabelType() ::=
"<if(recognizer.ASTLabelType)><recognizer.ASTLabelType><else>ImplTraits::TreeType*<endif>"

/** Define a return struct for a rule if the code needs to access its
 * start/stop tokens, tree stuff, attributes, ... Leave a hole for
 * subgroups to stick in members.
 */
returnScope(scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!TREE_PARSER)>
struct <ruleDescriptor:returnStructName()> : public <name>ImplTraits::RuleReturnValueType
{
public:
typedef <name>ImplTraits::RuleReturnValueType BaseType;
<ruleDescriptor:returnStructName()>()
: BaseType()
<if(scope)>, <scope.attributes:{it | <it.name>() } ; separator=","><endif>
{ init(); }
<ruleDescriptor:returnStructName()>(BaseParserType* parser)
: BaseType(parser)
<if(scope)>, <scope.attributes:{it | <it.name>() } ; separator=","><endif>
{ init(); }

```

```

<ruleDescriptor:returnStructName()>(const <ruleDescriptor:returnStructName()>& other)
 : BaseType(other)
<if(scope)>, <scope.attributes:{it | <it.name>(other.<it.name>) }; separator=", "><endif>
{ copy(other); }
~<ruleDescriptor:returnStructName()>()
{
 <@ruleReturnMembersDelete()>
}

<ruleDescriptor:returnStructName()>&
operator=(const <ruleDescriptor:returnStructName()>& other)
{
 BaseType::operator=(other);
 <if(scope)><scope.attributes:{it | <it.name> = other.<it.name>; }; separator="\n"><endif>
 copy(other);
 return *this;
}
<@ruleReturnMembers()>
void init() { <@ruleReturnMembersInit()> }
void copy(const <ruleDescriptor:returnStructName()>& other) { <@ruleReturnMembersCopy()> }
<else>
struct <ruleDescriptor:returnStructName()>
{
public:
 <name>ImplTraits::<recognizer.ASTLabelType> start;
 <name>ImplTraits::<recognizer.ASTLabelType> stop;
 <ruleDescriptor:returnStructName()>(const <ruleDescriptor:returnStructName()>& other)
 <if(scope.attributes)>
 <scope.attributes:{it | <it.name>(other.<it.name>) }; separator=", ">
 <endif>
 {
 start = other.start;
 stop = other.stop;
 }

 <ruleDescriptor:returnStructName()>&
 operator=(const <ruleDescriptor:returnStructName()>& other)
 {
 start = other.start;
 stop = other.stop;

 <scope.attributes:{it | <it.name> = other.<it.name>; }; separator="\n">
 return *this;
 }
<endif>
 <if(scope)><scope.attributes:{it | <it.type> <it.name>; }; separator="\n"><endif>
};

```



```

<endif>
<endif>
>>

parameterScope(scope) ::= <<
<scope.attributes:{it |<it.decl>} ; separator=", ">
>>

parameterAttributeRef(attr) ::= "<attr.name>"
parameterSetAttributeRef(attr,expr) ::= "<attr.name>=<expr>";

/** Note that the scopeAttributeRef does not have access to the
 * grammar name directly
 */
scopeAttributeRef(scope,attr,index,negIndex) ::= <%
<if(negIndex)>
m_<scope>_stack.at(m_<scope>_stack.size()-<negIndex>-1).<attr.name>
<else>
<if(index)>
m_<scope>_stack.at(<index>).<attr.name>
<else>
m_<scope>_stack.peek().<attr.name>
<endif>
<endif>
%>

scopeSetAttributeRef(scope,attr,expr,index,negIndex) ::= <%
<if(negIndex)>
m_<scope>_stack.at(m_<scope>_stack.size()-<negIndex>-1).<attr.name> = <expr>;
<else>
<if(index)>
m_<scope>_stack.at(<index>).<attr.name> = <expr>;
<else>
m_<scope>_stack.peek().<attr.name> =<expr>;
<endif>
<endif>
%>

/** $x is either global scope or x is rule with dynamic scope; refers
 * to stack itself not top of stack. This is useful for predicates
 * like {$function.size()>0 && $function::name.equals("foo")}?
 */
isolatedDynamicScopeRef(scope) ::= "<scope>_stack"

/** reference an attribute of rule; might only have single return value */
ruleLabelRef(referencedRule,scope,attr) ::= <<
<if(referencedRule.hasMultipleReturnValues)>
<scope>.<attr.name>

```

```

<else>
<scope>
<endif>
>>

returnAttributeRef(ruleDescriptor,attr) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name>
<else>
<attr.name>
<endif>
>>

returnSetAttributeRef(ruleDescriptor,attr,expr) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name>=<expr>;
<else>
<attr.name>=<expr>;
<endif>
>>

/** How to translate $tokenLabel */
tokenLabelRef(label) ::= "<label>"

/** ids+=ID {$ids} or e+=expr {$e} */
listLabelRef(label) ::= "list_<label>"

// not sure the next are the right approach
//
tokenLabelPropertyRef_text(scope,attr) ::= "<scope>->getText()"
tokenLabelPropertyRef_type(scope,attr) ::= "<scope>->get_type()"
tokenLabelPropertyRef_line(scope,attr) ::= "<scope>->get_line()"
tokenLabelPropertyRef_pos(scope,attr) ::= "<scope>->get_charPositionInLine()"
tokenLabelPropertyRef_channel(scope,attr) ::= "<scope>->get_channel()"
tokenLabelPropertyRef_index(scope,attr) ::= "<scope>->get_tokenIndex()"
tokenLabelPropertyRef_tree(scope,attr) ::= "<scope>->get_tree()"
tokenLabelPropertyRef_int(scope,attr) ::= "<name>ImplTraits::ConvertToInt32(<scope>->getText())"

ruleLabelPropertyRef_start(scope,attr) ::= "<scope>.start"
ruleLabelPropertyRef_stop(scope,attr) ::= "<scope>.stop"
ruleLabelPropertyRef_tree(scope,attr) ::= "<scope>.tree"
ruleLabelPropertyRef_text(scope,attr) ::= <<
<if(TREE_PARSER)>
(this->get_strstream()->toStringSS(<scope>.start, <scope>.start))
<else>
(this->get_strstream()->toStringTT(<scope>.start, <scope>.stop))
<endif>

```

```

>>

ruleLabelPropertyRef_st(scope,attr) ::= "<scope>.st"

/** Isolated $RULE ref ok in lexer as it's a Token */
lexerRuleLabel(label) ::= "<label>"

lexerRuleLabelPropertyRef_type(scope,attr) ::= "<scope>->get_type()"
lexerRuleLabelPropertyRef_line(scope,attr) ::= "<scope>->get_line()"
lexerRuleLabelPropertyRef_pos(scope,attr) ::= "<scope>->get_charPositionInLine()"
lexerRuleLabelPropertyRef_channel(scope,attr) ::= "<scope>->get_channel()"
lexerRuleLabelPropertyRef_index(scope,attr) ::= "<scope>->get_tokenIndex()"
lexerRuleLabelPropertyRef_text(scope,attr) ::= "<scope>->getText()"

// Somebody may ref $template or $tree or $stop within a rule:
rulePropertyRef_start(scope,attr) ::= "retval.start"
rulePropertyRef_stop(scope,attr) ::= "retval.stop"
rulePropertyRef_tree(scope,attr) ::= "retval.tree"
rulePropertyRef_text(scope,attr) ::= <<
<if(TREE_PARSER)>
this->get_input()->toStringSS(this->get_adaptor()->getTokenStartIndex(retval.start), this->get_adaptor()-
>getTokenStopIndex(retval.start))
<else>
this->get_strstream()->toStringTT(retval.start, this->LT(-1))
<endif>
>>
rulePropertyRef_st(scope,attr) ::= "retval.st"

lexerRulePropertyRef_text(scope,attr) ::= "this->getText()"
lexerRulePropertyRef_type(scope,attr) ::= "_type"
lexerRulePropertyRef_line(scope,attr) ::= "this->get_state()->get_tokenStartLine()"
lexerRulePropertyRef_pos(scope,attr) ::= "this->get_state()->get_tokenStartCharPositionInLine()"
lexerRulePropertyRef_channel(scope,attr) ::= "this->get_state()->get_channel()"
lexerRulePropertyRef_start(scope,attr) ::= "this->get_state()->get_tokenStartCharIndex()"
lexerRulePropertyRef_stop(scope,attr) ::= "(this->getCharIndex()-1)"
lexerRulePropertyRef_index(scope,attr) ::= "-1" // undefined token index in lexer
lexerRulePropertyRef_int(scope,attr) ::= "<name>ImplTraits::ConvertToInt32(<scope>->getText())"

// setting $st and $tree is allowed in local rule. everything else is flagged as error
ruleSetPropertyRef_tree(scope,attr,expr) ::= "retval.tree=<expr>;"
ruleSetPropertyRef_st(scope,attr,expr) ::= "retval.st=<expr>;"

/** How to deal with an @after for C targets. Because we cannot rely on
 * any garbage collection, after code is executed even in backtracking
 * mode. Must be documented clearly.
 */

```

```

execAfter(action) ::= <<
{
 <action>
}
>>

/** How to execute an action (when not backtracking) */
execAction(action) ::= <<
<if(backtracking)>
<if(actions.(actionScope).synpredgate)>
if (<actions.(actionScope).synpredgate>)
{
 <action>
}
<else>
if (BACKTRACKING == 0)
{
 <action>
}
<endif>
<else>
{
 <action>
}
<endif>
>>

// M I S C (properties, etc...)

bitsetDeclare(bitsetName, words64, traits) ::= <<

/** Bitset defining follow set for error recovery in rule state: <name> */
static ANTLR_BITWORD <bitsetName>_bits[] = { <words64:{it |ANTLR_UINT64_LIT(<it>)}; separator=", "> };
static <traits>::BitsetListType <bitsetName>(<bitsetName>_bits, <length(words64)>);
>>

codeFileExtension() ::= ".cpp"

true_value() ::= "true"
false_value() ::= "false"

Found in path(s):
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/templates/Cpp/Cpp.stg
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```

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\*/

/\*\* Template overrides to add debugging to AST stuff. Dynamic inheritance

\* hierarchy is set up as ASTDbg : AST : Dbg : Java by code generator.

\*/

```
parserMembers() ::= <<
 protected DebugTreeAdaptor adaptor;
 public void setTreeAdaptor(TreeAdaptor adaptor) {
<if(grammar.grammarIsRoot)>
 this.adaptor = new DebugTreeAdaptor(dbg, adaptor);
<else>
 this.adaptor = (DebugTreeAdaptor) adaptor; // delegator sends dbg adaptor
<endif>
 <grammar.directDelegates: { g | <g:delegateName()>.setTreeAdaptor(this.adaptor); }>
 }
 public TreeAdaptor getTreeAdaptor() {
 return adaptor;
 }
>>
```

```
parserCtorBody() ::= <<
<super.parserCtorBody()>
>>
```

```

createListenerAndHandshake() ::= <<
DebugEventSocketProxy proxy =
 new DebugEventSocketProxy(this,port,<if(TREE_PARSER)>input.getTreeAdaptor()<else>adaptor<endif>);
setDebugListener(proxy);
set<inputStreamType>(new Debug<inputStreamType>(input,proxy));
try {
 proxy.handshake();
}
catch (IOException ioe) {
 reportError(ioe);
}
>>

```

```

@ctorForRootGrammar.finally() ::= <<
TreeAdaptor adap = new CommonTreeAdaptor();
setTreeAdaptor(adap);
proxy.setTreeAdaptor(adap);
>>

```

```

@ctorForProfilingRootGrammar.finally() ::= <<
TreeAdaptor adap = new CommonTreeAdaptor();
setTreeAdaptor(adap);
>>

```

```

@ctorForPredefinedListener.superClassRef() ::= "super(input, dbg);"

```

```

@ctorForPredefinedListener.finally() ::= <<
<if(grammar.grammarIsRoot)> <! don't create new adaptor for delegates !>
TreeAdaptor adap = new CommonTreeAdaptor();
setTreeAdaptor(adap);
<endif>
>>

```

```

@rewriteElement.pregen() ::= "dbg.location(<e.line>,<e.pos>);"

```

Found in path(s):

```

* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/Java/ASTDbg.stg

```

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```

/*

```

```

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```

```

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\*/

/\*\* Template overrides to add debugging to AST stuff. Dynamic inheritance

\* hierarchy is set up as ASTDbg : AST : Dbg : Python by code generator.

\*/

group ASTDbg;

astAccessor() ::= <<

def setTreeAdaptor(self, adaptor):

<if(grammar.grammarIsRoot)>

self.\_adaptor = DebugTreeAdaptor(self.dbg, adaptor)

<else>

self.\_adaptor = adaptor # delegator sends dbg adaptor

<endif>

<grammar.directDelegates:{g|<g.delegateName()>.setTreeAdaptor(self.\_adaptor)}>

def getTreeAdaptor(self):

return self.\_adaptor

adaptor = property(getTreeAdaptor, setTreeAdaptor)<\n>

>>

createListenerAndHandshake() ::= <<

proxy = DebugEventSocketProxy(self,

adaptor=<if(TREE\_PARSER)>self.input.getTreeAdaptor(<else>self.\_adaptor<endif>,

debug=debug\_socket, port=port)

self.setDebugListener(proxy)

self.adaptor.setDebugListener(proxy)

self.input.setDebugListener(proxy)

#self.set<inputStreamType>(Debug<inputStreamType>(self.input, proxy))

```
proxy.handshake()
```

```
>>
```

```
@rewriteElement.pregen() ::= "self._dbg.location(<e.line>, <e.pos>)"
```

```
Found in path(s):
```

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/Python/ASTDbg.stg
```

```
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```
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```
*/
```

```
@outputFile.imports() ::= <<
```

```
<@super.imports(>
```

```
<if(!TREE_PARSER)><! tree parser would already have imported !>
```

```
import org.antlr.runtime.tree.*;<\n>
```

```
<endif>
```

```
>>
```

```
@genericParser.members() ::= <<
```

```
<@super.members(>
```

```
<parserMembers(>
```



>>

```
/** Add an adaptor property that knows how to build trees */
parserMembers() ::= <<
protected TreeAdaptor adaptor = new CommonTreeAdaptor();
```

```
public void setTreeAdaptor(TreeAdaptor adaptor) {
 this.adaptor = adaptor;
 <grammar.directDelegates: {g|<g:delegateName().setTreeAdaptor(this.adaptor);}>
}
public TreeAdaptor getTreeAdaptor() {
 return adaptor;
}
>>
```

```
@returnScope.ruleReturnMembers() ::= <<
<ASTLabelType> tree;
@Override
public <ASTLabelType> getTree() { return tree; }
>>
```

```
/** Add a variable to track rule's return AST */
ruleDeclarations() ::= <<
<super.ruleDeclarations()>
<ASTLabelType> root_0 = null;<\n>
>>
```

```
ruleLabelDefs() ::= <<
<super.ruleLabelDefs()>
<if(!ruleDescriptor.isSynPred)>
<[ruleDescriptor.tokenLabels,ruleDescriptor.wildcardTreeLabels,
 ruleDescriptor.wildcardTreeListLabels]:{it | <ASTLabelType> <it.label.text>_tree=null;}; separator="\n">
<ruleDescriptor.tokenListLabels:{it | <ASTLabelType> <it.label.text>_tree=null;}; separator="\n">
<if(ruleDescriptor.supportsLabelOptimization)>
<ruleDescriptor.allTokenRefsInRewrites
 :{it | RewriteRule<rewriteElementType>Stream stream_<it>=new
 RewriteRule<rewriteElementType>Stream(adaptor,"token <it>");}; separator="\n">
<ruleDescriptor.allRuleRefsInRewrites
 :{it | RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"rule <it>");};
 separator="\n">
<else>
<ruleDescriptor.allTokenRefsInAltsWithRewrites
 :{it | RewriteRule<rewriteElementType>Stream stream_<it>=new
 RewriteRule<rewriteElementType>Stream(adaptor,"token <it>");}; separator="\n">
<ruleDescriptor.allRuleRefsInAltsWithRewrites
 :{it | RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"rule <it>");};
 separator="\n">
<endif>
```

```

<endif>
>>

/** When doing auto AST construction, we must define some variables;
 * These should be turned off if doing rewrites. This must be a "mode"
 * as a rule could have both rewrite and AST within the same alternative
 * block.
 */
@alt.declarations() ::= <<
<if(autoAST)>
<if(outerAlt)>
<if(!rewriteMode && !ruleDescriptor.isSynPred)>
root_0 = (<ASTLabelType>)adaptor.nil();<\n>
<endif>
<endif>
<endif>
>>

// Tracking Rule Elements

/** ID and track it for use in a rewrite rule */
tokenRefTrack(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefBang(...)> <! Track implies no auto AST construction!>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>stream_<token>.add(<label>);<\n>
>>

/** ids+=ID and track it for use in a rewrite rule; adds to ids *and*
 * to the tracking list stream_ID for use in the rewrite.
 */
tokenRefTrackAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefTrack(...)>
<listLabel(elem=label, ...)>
>>

/** ^(ID ...) track for rewrite */
tokenRefRuleRootTrack(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefBang(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>stream_<token>.add(<label>);<\n>
>>

/** Match ^(label+=TOKEN ...) track for rewrite */
tokenRefRuleRootTrackAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefRuleRootTrack(...)>
<listLabel(elem=label, ...)>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<

```

```

<super.ruleRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>stream_<rule.name>.add(<label>.getTree());
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefTrack(...)>
<listLabel(label, {<label>.getTree()})>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>stream_<rule>.add(<label>.getTree());
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRootTrack(...)>
<listLabel(label, {<label>.getTree()})>
>>

// R e w r i t e

rewriteCode(
alts, description,
referencedElementsDeep, // ALL referenced elements to right of ->
referencedTokenLabels,
referencedTokenListLabels,
referencedRuleLabels,
referencedRuleListLabels,
referencedWildcardLabels,
referencedWildcardListLabels,
rewriteBlockLevel, enclosingTreeLevel, treeLevel) ::=
<<

// AST REWRITE
// elements: <referencedElementsDeep; separator=", ">
// token labels: <referencedTokenLabels; separator=", ">
// rule labels: <referencedRuleLabels; separator=", ">
// token list labels: <referencedTokenListLabels; separator=", ">
// rule list labels: <referencedRuleListLabels; separator=", ">
// wildcard labels: <referencedWildcardLabels,referencedWildcardListLabels; separator=", ">
<if(backtracking)>
if (<actions.(actionScope).synpredgate>) {
<endif>
<prevRuleRootRef(>.tree = root_0;
<rewriteCodeLabels(>

```

```

root_0 = (<ASTLabelType>)adaptor.nil();
<alts:rewriteAlt(); separator="else ">
<! if tree parser and rewrite=true !>
<if(TREE_PARSER)>
<if(rewriteMode)>
<prevRuleRootRef(>.tree = (<ASTLabelType>)adaptor.rulePostProcessing(root_0);
input.replaceChildren(adaptor.getParent(retval.start),
 adaptor.getChildIndex(retval.start),
 adaptor.getChildIndex(_last),
 retval.tree);
<endif>
<endif>
<! if parser or tree-parser && rewrite!=true, we need to set result !>
<if(!TREE_PARSER)>
<prevRuleRootRef(>.tree = root_0;
<else>
<if(!rewriteMode)>
<prevRuleRootRef(>.tree = root_0;
<endif>
<endif>
<if(backtracking)>
}
<endif>
>>

rewriteCodeLabels() ::= <<
<referencedTokenLabels
:{it | RewriteRule<rewriteElementType>Stream stream_<it>=new
RewriteRule<rewriteElementType>Stream(adaptor,"token <it>",<it>);};
separator="\n"
>
<referencedTokenListLabels
:{it | RewriteRule<rewriteElementType>Stream stream_<it>=new
RewriteRule<rewriteElementType>Stream(adaptor,"token <it> ", list_<it>);};
separator="\n"
>
<referencedWildcardLabels
:{it | RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"wildcard <it>",<it>);};
separator="\n"
>
<referencedWildcardListLabels
:{it | RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"wildcard <it> ",list_<it>);};
separator="\n"
>
<referencedRuleLabels
:{it | RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"rule
<it>",<it>!=null?<it>.getTree():null);};
separator="\n"

```

```

>
<referencedRuleListLabels
: {it | RewriteRuleSubtreeStream stream_<it>=new RewriteRuleSubtreeStream(adaptor,"token <it>","list_<it>");
separator="\n"
>
>>

```

```

/** Generate code for an optional rewrite block; note it uses the deep ref'd element
 * list rather shallow like other blocks.
 */

```

```

rewriteOptionalBlock(
alt,rewriteBlockLevel,
referencedElementsDeep, // all nested refs
referencedElements, // elements in immediately block; no nested blocks
description) ::=
<<
// <fileName>:<description>
if (<referencedElementsDeep:{el | stream_<el>.hasNext()}; separator="||">) {
<alt>
}
<referencedElementsDeep:{el | stream_<el>.reset();<\n>}>
>>

```

```

rewriteClosureBlock(
alt,rewriteBlockLevel,
referencedElementsDeep, // all nested refs
referencedElements, // elements in immediately block; no nested blocks
description) ::=
<<
// <fileName>:<description>
while (<referencedElements:{el | stream_<el>.hasNext()}; separator="||">) {
<alt>
}
<referencedElements:{el | stream_<el>.reset();<\n>}>
>>

```

```

rewritePositiveClosureBlock(
alt,rewriteBlockLevel,
referencedElementsDeep, // all nested refs
referencedElements, // elements in immediately block; no nested blocks
description) ::=
<<
if (!(<referencedElements:{el | stream_<el>.hasNext()}; separator="||">)) {
throw new RewriteEarlyExitException();
}
while (<referencedElements:{el | stream_<el>.hasNext()}; separator="||">) {
<alt>
}
}

```

```

<referencedElements:{el | stream_<el>.reset();<\n}>
>>

rewriteAlt(a) ::= <<
// <a.description>
<if(a.pred)>
if (<a.pred>) {
 <a.alt>
}<\n>
<else>
{
 <a.alt>
}<\n>
<endif>
>>

/** For empty rewrites: "r : ... -> ;" */
rewriteEmptyAlt() ::= "root_0 = null;"

rewriteTree(root,children,description,enclosingTreeLevel,treeLevel) ::= <<
// <fileName>:<description>
{
<ASTLabelType> root_<treeLevel> = (<ASTLabelType>)adaptor.nil();
<root:rewriteElement()>
<children:rewriteElement()>
adaptor.addChild(root_<enclosingTreeLevel>, root_<treeLevel>);
}<\n>
>>

rewriteElementList(elements) ::= "<elements:rewriteElement()>"

rewriteElement(e) ::= <<
<@pregen()>
<e.el>
>>

/** Gen ID or ID[args] */
rewriteTokenRef(token,elementIndex,args,terminalOptions={}) ::= <<
adaptor.addChild(root_<treeLevel>, <createRewriteNodeFromElement(...)>);
>>

/** Gen $label ... where defined via label=ID */
rewriteTokenLabelRef(label,elementIndex) ::= <<
adaptor.addChild(root_<treeLevel>, stream_<label>.nextNode());
>>

/** Gen $label ... where defined via label+=ID */
rewriteTokenListLabelRef(label,elementIndex) ::= <<

```

```

adaptor.addChild(root_<treeLevel>, stream_<label>.nextNode());
>>

/** Gen ^($label ...) */
rewriteTokenLabelRefRoot(label,elementIndex) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.becomeRoot(stream_<label>.nextNode(), root_<treeLevel>);
>>

/** Gen ^($label ...) where label+=... */
rewriteTokenListLabelRefRoot ::= rewriteTokenLabelRefRoot

/** Gen ^(ID ...) or ^(ID[args] ...) */
rewriteTokenRefRoot(token,elementIndex,args,terminalOptions={}) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.becomeRoot(<createRewriteNodeFromElement(...)>,
root_<treeLevel>);
>>

rewriteImaginaryTokenRef(args,token,elementIndex,terminalOptions={}) ::= <<
adaptor.addChild(root_<treeLevel>, <createImaginaryNode(token,args,terminalOptions)>);
>>

rewriteImaginaryTokenRefRoot(args,token,elementIndex,terminalOptions={}) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.becomeRoot(<createImaginaryNode(token,args,terminalOptions)>,
root_<treeLevel>);
>>

/** plain -> {foo} action */
rewriteAction(action) ::= <<
root_0 = <action>;
>>

/** What is the name of the previous value of this rule's root tree? This
* let's us refer to $rule to mean previous value. I am reusing the
* variable 'tree' sitting in retval struct to hold the value of root_0 right
* before I set it during rewrites. The assign will be to retval.tree.
*/
prevRuleRootRef() ::= "retval"

rewriteRuleRef(rule) ::= <<
adaptor.addChild(root_<treeLevel>, stream_<rule>.nextTree());
>>

rewriteRuleRefRoot(rule) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.becomeRoot(stream_<rule>.nextNode(), root_<treeLevel>);
>>

rewriteNodeAction(action) ::= <<
adaptor.addChild(root_<treeLevel>, <action>);

```

>>

```
rewriteNodeActionRoot(action) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.becomeRoot(<action>, root_<treeLevel>);
>>
```

```
/** Gen $ruleLabel ... where defined via ruleLabel=rule */
rewriteRuleLabelRef(label) ::= <<
adaptor.addChild(root_<treeLevel>, stream_<label>.nextTree());
>>
```

```
/** Gen $ruleLabel ... where defined via ruleLabel+=rule */
rewriteRuleListLabelRef(label) ::= <<
adaptor.addChild(root_<treeLevel>, stream_<label>.nextTree());
>>
```

```
/** Gen ^($ruleLabel ...) where ruleLabel=rule */
rewriteRuleLabelRefRoot(label) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.becomeRoot(stream_<label>.nextNode(), root_<treeLevel>);
>>
```

```
/** Gen ^($ruleLabel ...) where ruleLabel+=rule */
rewriteRuleListLabelRefRoot(label) ::= <<
root_<treeLevel> = (<ASTLabelType>)adaptor.becomeRoot(stream_<label>.nextNode(), root_<treeLevel>);
>>
```

```
rewriteWildcardLabelRef(label) ::= <<
adaptor.addChild(root_<treeLevel>, stream_<label>.nextTree());
>>
```

```
createImaginaryNode(tokenType,args,terminalOptions={ }) ::= <%
<if(terminalOptions.node)>
<! new MethodNode(IDLabel, args) !>
new <terminalOptions.node>(<tokenType><if(args)>, <args; separator=", "><endif>)
<else>
(<ASTLabelType>)adaptor.create(<tokenType>, <args; separator=", "><if(!args)>"<tokenType>"<endif>)
<endif>
>%
```

```
createRewriteNodeFromElement(token,args,terminalOptions={ }) ::= <%
<if(terminalOptions.node)>
new <terminalOptions.node>(stream_<token>.nextToken(<if(args)>, <args; separator=", "><endif>)
<else>
<if(args)> <! must create new node from old !>
adaptor.create(<token>, <args; separator=", ">)
<else>
stream_<token>.nextNode()
```



```
<endif>
<endif>
%>
```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/templates/Java/AST.stg
```

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```

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```
*/
```

```
/** Template subgroup to add template rewrite output
```

```
* If debugging, then you'll also get STDbg.stg loaded.
```

```
*/
```

```
@outputFile.imports() ::= <<
```

```
<@super.imports(>
```

```
import stringtemplate3
```

```
>>
```

```
/** Add this to each rule's return value struct */
```

```
@returnScope.ruleReturnInit() ::= <<
```

```
self.st = None
```

```
>>
```

```

@returnScope.ruleReturnMembers() ::= <<
def getTemplate(self):
 return self.st

def toString(self):
 if self.st is not None:
 return self.st.toString()
 return None
__str__ = toString

>>

@genericParser.init() ::= <<
<@super.init()>
self.templateLib = stringtemplate3.StringTemplateGroup(
 '<name>Templates', lexer='angle-bracket'
)

>>

@genericParser.members() ::= <<
<@super.members()>
def setTemplateLib(self, templateLib):
 self.templateLib = templateLib

def getTemplateLib(self):
 return self.templateLib

>>

/** x+=rule when output=template */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(label, {<label>.st})>
>>

rewriteTemplate(alts) ::= <<
TEMPLATE REWRITE
<if(backtracking)>
if <actions.(actionScope).synpredgate>:
 <first(alts):rewriteTemplateAltFirst()>
 <rest(alts):{it | el<rewriteTemplateAlt(it)>}>
 <if(rewriteMode)><replaceTextInLine()><endif>

<else>
<first(alts):rewriteTemplateAltFirst()>
<rest(alts):{it | el<rewriteTemplateAlt(it)>}>

```

```
<if(rewriteMode)><replaceTextInLine()><endif>
<endif>
>>
```

```
replaceTextInLine() ::= <<
<if(TREE_PARSER)>
self.input.getTokenStream().replace(
 self.input.getTreeAdaptor().getTokenStartIndex(retval.start),
 self.input.getTreeAdaptor().getTokenStopIndex(retval.start),
 retval.st
)
<else>
self.input.replace(
 retval.start.getTokenIndex(),
 self.input.LT(-1).getTokenIndex(),
 retval.st
)
<endif>
>>
```

```
rewriteTemplateAltFirst(alt) ::= <<
<if(alt.pred)>
if <alt.pred>:
 # <alt.description>
 retval.st = <alt.alt>
<\n>
<else>
<alt.description>
retval.st = <alt.alt>
<\n>
<endif>
>>
```

```
rewriteTemplateAlt(alt) ::= <<
<if(alt.pred)>if <alt.pred>:
 # <alt.description>
 retval.st = <alt.alt>
<\n>
<else>se:
 # <alt.description>
 retval.st = <alt.alt>
<\n>
<endif>
>>
```

```
rewriteEmptyTemplate(alts) ::= <<
None
>>
```

```

/** Invoke a template with a set of attribute name/value pairs.
 * Set the value of the rule's template *after* having set
 * the attributes because the rule's template might be used as
 * an attribute to build a bigger template; you get a self-embedded
 * template.
 */
rewriteExternalTemplate(name,args) ::= <%
self.templateLib.getInstanceOf("<name><if(args)>, attributes={<args:{a | "<a.name>": <a.value>}; separator=",
"><endif>")
%>

```

```

/** expr is a string expression that says what template to load */
rewriteIndirectTemplate(expr,args) ::= <%
self.templateLib.getInstanceOf(<expr><if(args)>, attributes={<args:{a | "<a.name>": <a.value>}; separator=",
"><endif>")
%>

```

```

/** Invoke an inline template with a set of attribute name/value pairs */
rewriteInlineTemplate(args, template) ::= <%
stringtemplate3.StringTemplate("<template>", group=self.templateLib<if(args)>, attributes={<args:{a |
"<a.name>": <a.value>}; separator=", "><endif>")
%>

```

```

/** plain -> {foo} action */
rewriteAction(action) ::= <<
<action>
>>

```

```

/** An action has %st.attrName=expr; or % {st}.attrName=expr; */
actionSetAttribute(st,attrName,expr) ::= <<
(<st>)[("<attrName>")] = <expr>
>>

```

```

/** Translate % {stringExpr} */
actionStringConstructor(stringExpr) ::= <<
stringtemplate3.StringTemplate(<stringExpr>, group=self.templateLib)
>>

```

Found in path(s):

```

* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/Python3/ST.stg

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```
*/
```

```
/** Template subgroup to add template rewrite output
```

```
* If debugging, then you'll also get STDbg.stg loaded.
```

```
*/
```

```
@outputFile.imports() ::= <<
```

```
<@super.imports(>
```

```
import org.antlr.stringtemplate.*;
```

```
import org.antlr.stringtemplate.language.*;
```

```
import java.util.HashMap;
```

```
>>
```

```
/** Add this to each rule's return value struct */
```

```
@returnScope.ruleReturnMembers() ::= <<
```

```
public StringTemplate st;
```

```
public Object getTemplate() { return st; }
```

```
public String toString() { return st==null?null:st.toString(); }
```

```
>>
```

```
@genericParser.members() ::= <<
```

```
<@super.members(>
```

```
protected StringTemplateGroup templateLib =
```

```
new StringTemplateGroup("<name>Templates", AngleBracketTemplateLexer.class);
```

```
public void setTemplateLib(StringTemplateGroup templateLib) {
```

```
this.templateLib = templateLib;
```

```

}
public StringTemplateGroup getTemplateLib() {
 return templateLib;
}
/** allows convenient multi-value initialization:
 * "new STAttrMap().put(...).put(...)"
 */
@SuppressWarnings("serial")
public static class STAttrMap extends HashMap<String, Object> {
 public STAttrMap put(String attrName, Object value) {
 super.put(attrName, value);
 return this;
 }
}
>>

```

```

/** x+=rule when output=template */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(rule,label,elementIndex,args,scope)>
<listLabel(label, {<label>.getTemplate()})>
>>

```

```

rewriteTemplate(alts) ::= <<

```

```

// TEMPLATE REWRITE
<if(backtracking)>
if (<actions.(actionScope).synpredgate>) {
 <alts:rewriteTemplateAlt(); separator="else ">
 <if(rewriteMode)><replaceTextInLine()><endif>
}
<else>
<alts:rewriteTemplateAlt(); separator="else ">
<if(rewriteMode)><replaceTextInLine()><endif>
<endif>
>>

```

```

replaceTextInLine() ::= <<
<if(TREE_PARSER)>
((TokenRewriteStream)input.getTokenStream()).replace(
 input.getTreeAdaptor().getTokenStartIndex(retval.start),
 input.getTreeAdaptor().getTokenStopIndex(retval.start),
 retval.st);
<else>
((TokenRewriteStream)input).replace(
 ((Token)retval.start).getTokenIndex(),
 input.LT(-1).getTokenIndex(),
 retval.st);
<endif>

```

```
>>
```

```
rewriteTemplateAlt(alt) ::= <<
// <alt.description>
<if(alt.pred)>
<if(<alt.pred>) {
 retval.st = <alt.alt>;
}<\n>
<else>
{
 retval.st = <alt.alt>;
}<\n>
<endif>
>>
```

```
rewriteEmptyTemplate(alts) ::= <<
null;
>>
```

```
/** Invoke a template with a set of attribute name/value pairs.
 * Set the value of the rule's template after having set
 * the attributes because the rule's template might be used as
 * an attribute to build a bigger template; you get a self-embedded
 * template.
 */
```

```
rewriteExternalTemplate(name,args) ::= <%
templateLib.getInstanceOf("<name>"<if(args)>,
 new STAttrMap()<args:{a | .put("<a.name>", <a.value>)}>
<endif>)
>%
```

```
/** expr is a string expression that says what template to load */
rewriteIndirectTemplate(expr,args) ::= <%
templateLib.getInstanceOf(<expr><if(args)>,
 new STAttrMap()<args:{a | .put("<a.name>", <a.value>)}>
<endif>)
>%
```

```
/** Invoke an inline template with a set of attribute name/value pairs */
rewriteInlineTemplate(args, template) ::= <%
new StringTemplate(templateLib, "<template>"<if(args)>,
 new STAttrMap()<args:{a | .put("<a.name>", <a.value>)}>
<endif>)
>%
```

```
/** plain -> {foo} action */
rewriteAction(action) ::= <<
<action>
```

>>

```
/** An action has %st.attrName=expr; or % {st}.attrName=expr; */
actionSetAttribute(st,attrName,expr) ::= <<
(<st>).setAttribute("<attrName>",<expr>);
>>
```

```
/** Translate % {stringExpr} */
actionStringConstructor(stringExpr) ::= <<
new StringTemplate(templateLib,<stringExpr>)
>>
```

Found in path(s):

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/templates/Java/ST.stg  
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*/
```

```
/** Templates for building ASTs during tree parsing.
*
* Deal with many combinations. Dimensions are:
* Auto build or rewrite
```



```

* no label, label, list label (label/no-label handled together)
* child, root
* token, set, rule, wildcard
*
* Each combination has its own template except that label/no label
* is combined into tokenRef, ruleRef, ...
*/

/** Add a variable to track last element matched */
ruleDeclarations() ::= <<
<super.ruleDeclarations()>
var _first_0:<ASTLabelType> = null;
var _last:<ASTLabelType> = null;<\n>
>>

/** What to emit when there is no rewrite rule. For auto build
* mode, does nothing.
*/
noRewrite(rewriteBlockLevel, treeLevel) ::= <<
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(rewriteMode)>
retval.tree = <ASTLabelType>(_first_0);
if (adaptor.getParent(retval.tree)!=null && adaptor.isNil(adaptor.getParent(retval.tree)))
 retval.tree = <ASTLabelType>(adaptor.getParent(retval.tree));
<endif>
<if(backtracking)>}<endif>
>>

/** match ^(root children) in tree parser; override here to
* add tree construction actions.
*/
tree(root, actionsAfterRoot, children, nullableChildList,
 enclosingTreeLevel, treeLevel) ::= <<
_last = <ASTLabelType>(input.LT(1));
{
var _save_last_<treeLevel>:<ASTLabelType> = _last;
var _first_<treeLevel>:<ASTLabelType> = null;
<if(!rewriteMode)>
var root_<treeLevel>:<ASTLabelType> = <ASTLabelType>(adaptor.nil());
<endif>
<root:element()>
<if(rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)<endif>
<if(root.el.rule)>
if (_first_<enclosingTreeLevel>==null) _first_<enclosingTreeLevel> = <root.el.label>.tree;
<else>
if (_first_<enclosingTreeLevel>==null) _first_<enclosingTreeLevel> = <root.el.label>;
<endif>

```

```

<endif>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if (input.LA(1)==TokenConstants.DOWN) {
 matchStream(input, TokenConstants.DOWN, null); <checkRuleBacktrackFailure()>
 <children:element()>
 matchStream(input, TokenConstants.UP, null); <checkRuleBacktrackFailure()>
}
<else>
matchStream(input, TokenConstants.DOWN, null); <checkRuleBacktrackFailure()>
<children:element()>
matchStream(input, TokenConstants.UP, null); <checkRuleBacktrackFailure()>
<endif>
<if(!rewriteMode)>
adaptor.addChild(root_<enclosingTreeLevel>, root_<treeLevel>);
<endif>
_last = _save_last_<treeLevel>;
}<\n>
>>

// TOKEN AST STUFF

/** ID! and output=AST (same as plain tokenRef) 'cept add
 * setting of _last
 */
tokenRefBang(token,label,elementIndex,terminalOptions) ::= <<
_last = <ASTLabelType>(input.LT(1));
<super.tokenRef(...)>
>>

/** ID auto construct */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
_last = <ASTLabelType>(input.LT(1));
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
<label>_tree = new <terminalOptions.node>(<label>);
<else>
<label>_tree = <ASTLabelType>(adaptor.dupNode(<label>));
<endif><\n>
adaptor.addChild(root_<treeLevel>, <label>_tree);
<if(backtracking)>}<endif>
<else> <! rewrite mode !>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)<endif>
if (_first_<treeLevel>==null) _first_<treeLevel> = <label>;
<endif>
>>

```

```

/** label+=TOKEN auto construct */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

/** ^(ID ...) auto construct */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions) ::= <<
_last = <ASTLabelType>(input.LT(1));
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
<label>_tree = new <terminalOptions.node>(<label>);
<else>
<label>_tree = <ASTLabelType>(adaptor.dupNode(<label>));
<endif><\n>
root_<treeLevel> = <ASTLabelType>(adaptor.becomeRoot(<label>_tree, root_<treeLevel>));
<if(backtracking)>}<endif>
<endif>
>>

/** Match ^(label+=TOKEN ...) auto construct */
tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefRuleRoot(...)>
<listLabel(elem=label,...)>
>>

/** Match . wildcard and auto dup the node/subtree */
wildcard(token,label,elementIndex,terminalOptions) ::= <<
_last = (<ASTLabelType>)input.LT(1);
<super.wildcard(...)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<label>_tree = (<ASTLabelType>)adaptor.dupTree(<label>);
adaptor.addChild(root_<treeLevel>, <label>_tree);
<if(backtracking)>}<endif>
<else> <! rewrite mode !>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)<endif>
if (_first_<treeLevel>==null) _first_<treeLevel> = <label>;
<endif>
>>

// SET AST

matchSet(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
_last = <ASTLabelType>(input.LT(1));

```

```

<super.matchSet(postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
<label>_tree = new <terminalOptions.node>(<label>);
<else>
<label>_tree = <ASTLabelType>(adaptor.dupNode(<label>));
<endif><\n>
adaptor.addChild(root_<treeLevel>, <label>_tree);
<if(backtracking)>\}<endif>
<endif>
}, ...
)>
>>

matchRuleBlockSet(s,label,terminalOptions,elementIndex,postmatchCode,treeLevel="0") ::= <<
<matchSet(...)>
<noRewrite(...)> <! set return tree !>
>>

matchSetBang(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
_last = <ASTLabelType>(input.LT(1));
<super.matchSet(...)>
>>

matchSetRuleRoot(s,label,terminalOptions,elementIndex,debug) ::= <<
<super.matchSet(postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
<label>_tree = new <terminalOptions.node>(<label>);
<else>
<label>_tree = <ASTLabelType>(adaptor.dupNode(<label>));
<endif><\n>
root_<treeLevel> = <ASTLabelType>(adaptor.becomeRoot(<label>_tree, root_<treeLevel>));
<if(backtracking)>\}<endif>
<endif>
}, ...
)>
>>

// RULE REF AST

/** rule auto construct */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
_last = <ASTLabelType>(input.LT(1));
<super.ruleRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>

```

```

<if(!rewriteMode)>
adaptor.addChild(root_<treeLevel>, <label>.tree);
<else> <! rewrite mode !>
if (_first_<treeLevel>==null) _first_<treeLevel> = <label>.tree;
<endif>
>>

/** x+=rule auto construct */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(label, {<label>.tree })>
>>

/** ^(rule ...) auto construct */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
_last = <ASTLabelType>(input.LT(1));
<super.ruleRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>root_<treeLevel> =
<ASTLabelType>(adaptor.becomeRoot(<label>.tree, root_<treeLevel>));
<endif>
>>

/** ^(x+=rule ...) auto construct */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<listLabel(label, {<label>.tree })>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
_last = <ASTLabelType>(input.LT(1));
<super.ruleRefTrack(...)>
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
_last = <ASTLabelType>(input.LT(1));
<super.ruleRefTrackAndListLabel(...)>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
_last = <ASTLabelType>(input.LT(1));
<super.ruleRefRootTrack(...)>
>>

/** ^(x+=rule ...) rewrite */

```

```
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
 _last = <ASTLabelType>(input.LT(1));
 <super.ruleRefRuleRootTrackAndListLabel(...)>
>>
```

```
/** Streams for token refs are tree nodes now; override to
 * change nextToken to nextNode.
 */
```

```
createRewriteNodeFromElement(token,terminalOptions,scope) ::= <<
 <if(terminalOptions.node)>
 new <terminalOptions.node>(stream_<token>.nextNode())
 <else>
 stream_<token>.nextNode()
 <endif>
>>
```

```
ruleCleanUp() ::= <<
 <super.ruleCleanUp()>
 <if(!rewriteMode)>
 <if(backtracking)>if (<actions.(actionScope).synpredgate>) {<\n><endif>
 retval.tree = <ASTLabelType>(adaptor.rulePostProcessing(root_0));
 <if(backtracking)>}<endif>
 <endif>
>>
```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/ActionScript/ASTTreeParser.stg
No license file was found, but licenses were detected in source scan.
```

```
/*
```

```
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\*/

/\*\* Templates for building ASTs during tree parsing.

\*

\* Deal with many combinations. Dimensions are:

\* Auto build or rewrite

\* no label, label, list label (label/no-label handled together)

\* child, root

\* token, set, rule, wildcard

\*

\* Each combination has its own template except that label/no label

\* is combined into tokenRef, ruleRef, ...

\*/

group ASTTreeParser;

/\*\* Add a variable to track last element matched \*/

ruleDeclarations() ::= <<

<super.ruleDeclarations()>

\_First[0] := nil;

\_Last := nil;<\n>

>>

ruleDeclarationVars() ::= <<

<super.ruleDeclarationVars()>

\_First, \_Save\_Last: array [0..63] of I<ASTLabelType>;

\_Last: I<ASTLabelType>;

>>

/\*\* What to emit when there is no rewrite rule. For auto build

\* mode, does nothing.

\*/

noRewrite(rewriteBlockLevel, treeLevel) ::= <<

<if(backtracking)>if (State.Backtracking = 0) then

begin<endif>

<if(rewriteMode)>

RetVal.Tree := \_First[0] as I<ASTLabelType>;

if (Adaptor.GetParent(RetVal.Tree) \<\> nil) and (Adaptor.IsNil(Adaptor.GetParent(RetVal.Tree))) then

```

RetVal.Tree := Adaptor.GetParent(RetVal.Tree) as I<ASTLabelType>;
<endif>
<if(backtracking)>end;<endif>
>>

/** match ^(root children) in tree parser; override here to
 * add tree construction actions.
 */
tree(root, actionsAfterRoot, children, nullableChildList,
 enclosingTreeLevel, treeLevel) ::= <<
_Last := Input.LT(1) as I<ASTLabelType>;
begin
_Save_Last[<treeLevel>] := _Last;
_First[<treeLevel>] := nil;
<if(!rewriteMode)>
Root[<treeLevel>] := Adaptor.GetNilNode as I<ASTLabelType>;<\n>
<endif>
<root:element()>
<if(rewriteMode)>
<if(backtracking)>if (State.Backtracking = 0) then <endif>
<if(root.el.rule)>
if (_First[<enclosingTreeLevel>] = nil) then _First[<enclosingTreeLevel>] := <root.el.label>.Tree;
<else>
if (_First[<enclosingTreeLevel>] = nil) then _First[<enclosingTreeLevel>] := <root.el.label>;
<endif>
<endif>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if (Input.LA(1) = TToken.DOWN) then
begin
Match(Input, TToken.DOWN, nil); <checkRuleBacktrackFailure()>
<children:element()>
Match(Input, TToken.UP, nil); <checkRuleBacktrackFailure()>
end;
<else>
Match(Input, TToken.DOWN, nil); <checkRuleBacktrackFailure()>
<children:element()>
Match(Input, TToken.UP, nil); <checkRuleBacktrackFailure()>
<endif>
<if(!rewriteMode)>
Adaptor.AddChild(Root[<enclosingTreeLevel>], Root[<treeLevel>]);
<endif>
_Last := _Save_Last[<treeLevel>];
end;<\n>
>>

// TOKEN AST STUFF

```



```

/** ID! and output=AST (same as plain tokenRef) 'cept add
 * setting of _last
 */
tokenRefBang(token,label,elementIndex) ::= <<
_Last := Input.LT(1) as I<ASTLabelType>;
<super.tokenRef(...)>
>>

/** ID auto construct */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
_Last := Input.LT(1) as I<ASTLabelType>;
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>
if (State.Backtracking = 0) then
begin<\n>
<endif>
<if(terminalOptions.node)>
<label>_tree := T<terminalOptions.node>.Create(<label>);
<else>
<label>_tree := Adaptor.DupNode(<label>) as I<ASTLabelType>;
<endif><\n>
Adaptor.AddChild(Root[<treeLevel>], <label>_tree);
<if(backtracking)>
end;
<endif>
<else> <! rewrite mode !>
<if(backtracking)>if (State.Backtracking = 0) then <endif>
if (_First[<treeLevel>] = nil) then _First[<treeLevel>] := <label>;
<endif>
>>

/** label+=TOKEN auto construct */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

/** ^(ID ...) auto construct */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions) ::= <<
_Last := Input.LT(1) as I<ASTLabelType>;
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>
if (State.Backtracking = 0) then
begin
<endif>
<if(terminalOptions.node)>

```

```

<label>_tree := T<terminalOptions.node>.Create(<label>);
<else>
<label>_tree := Adaptor.DupNode(<label>) as I<ASTLabelType>;
<endif><\n>
Root[<treeLevel>] := Adaptor.BecomeRoot(<label>_tree, Root[<treeLevel>]) as I<ASTLabelType>;
<if(backtracking)>
end;
<endif>
<endif>
>>

```

```

/** Match ^(label+=TOKEN ...) auto construct */
tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefRuleRoot(...)>
<listLabel(elem=label,...)>
>>

```

```
// SET AST
```

```

matchSet(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
_Llast := Input.LT(1) as I<ASTLabelType>;
<super.matchSet(..., postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if (State.Backtracking = 0) then begin <endif>
<if(terminalOptions.node)>
<label>_tree := T<terminalOptions.node>.Create(<label>);
<else>
<label>_tree := Adaptor.DupNode(<label>) as I<ASTLabelType>;
<endif><\n>
Adaptor.AddChild(Root[<treeLevel>], <label>_tree);
<if(backtracking)>end;<endif>
<endif>
}
)>
>>

```

```

matchRuleBlockSet(s,label,terminalOptions,elementIndex,postmatchCode,treeLevel="0") ::= <<
<matchSet(...)>
<noRewrite()> <! set return tree !>
>>

```

```

matchSetBang(s,label,elementIndex,postmatchCode) ::= <<
_Last := Input.LT(1) as I<ASTLabelType>;
<super.matchSet(...)>
>>

```

```

matchSetRuleRoot(s,label,terminalOptions,elementIndex,debug) ::= <<
<super.matchSet(..., postmatchCode={

```

```

<if(!rewriteMode)>
<if(backtracking)>if (State.Backtracking = 0) then begin <endif>
<if(terminalOptions.node)>
<label>_tree := T<terminalOptions.node>.Create(<label>);
<else>
<label>_tree := Adaptor.DupNode(<label>) as I<ASTLabelType>;
<endif><\n>
Root[<treeLevel>] := Adaptor.BecomeRoot(<label>_tree, Root[<treeLevel>]) as I<ASTLabelType>;
<if(backtracking)>end;<endif>
<endif>
}
)>
>>

```

```
// RULE REF AST
```

```

/** rule auto construct */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
_Last := Input.LT(1) as I<ASTLabelType>;
<super.ruleRef(...)>
<if(backtracking)>if (State.Backtracking = 0) then <endif>
<if(!rewriteMode)>
Adaptor.AddChild(Root[<treeLevel>], <label>.Tree);
<else> <! rewrite mode !>
if (_First[<treeLevel>] = nil) then _First[<treeLevel>] := <label>.Tree;
<endif>
>>

```

```

/** x+=rule auto construct */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(elem=label+".Tree",...)>
>>

```

```

/** ^(rule ...) auto construct */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
_Last := Input.LT(1) as I<ASTLabelType>;
<super.ruleRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if (State.Backtracking = 0) then <endif>Root[<treeLevel>] :=
Adaptor.BecomeRoot(<label>.Tree, Root[<treeLevel>]) as I<ASTLabelType>;
<endif>
>>

```

```

/** ^(x+=rule ...) auto construct */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<listLabel(elem=label+".Tree",...)>

```

```

>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
 _Last := Input.LT(1) as I<ASTLabelType>;
 <super.ruleRefTrack(...)>
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
 _Last := Input.LT(1) as I<ASTLabelType>;
 <super.ruleRefTrackAndListLabel(...)>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
 _Last := Input.LT(1) as I<ASTLabelType>;
 <super.ruleRefRootTrack(...)>
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
 _Last := Input.LT(1) as I<ASTLabelType>;
 <super.ruleRefRuleRootTrackAndListLabel(...)>
>>

/** Streams for token refs are tree nodes now; override to
 * change nextToken to nextNode.
 */
createRewriteNodeFromElement(token,terminalOptions,scope) ::= <<
 <if(terminalOptions.node)>
 T<terminalOptions.node>.Create((Locals['Stream_<token>'] as IRewriteRuleElementStream).NextNode)
 <else>
 (Locals['Stream_<token>'] as IRewriteRuleElementStream).NextNode
 <endif>
>>

ruleCleanup() ::= <<
 <super.ruleCleanup()>
 <if(!rewriteMode)>
 <if(backtracking)>
 if (State.Backtracking = 0) then
 begin<\n>
 <endif>
 RetVal.Tree := Adaptor.RulePostProcessing(Root[0]) as I<ASTLabelType>;
 <if(backtracking)>
 end;
 <endif>

```

<endif>

>>

Found in path(s):

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/templates/Delphi/ASTTreeParser.stg

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/\*

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\*

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\*/

/\*\* Templates for building ASTs during tree parsing.

\*

\* Deal with many combinations. Dimensions are:

\* Auto build or rewrite

\* no label, label, list label (label/no-label handled together)

\* child, root

\* token, set, rule, wildcard

\*

\* Each combination has its own template except that label/no label  
 \* is combined into tokenRef, ruleRef, ...  
 \*/

```
/** Add a variable to track last element matched */
ruleDeclarations() ::= <<
<super.ruleDeclarations()>
<if(!ruleDescriptor.isSynPred)>
<ASTLabelType> _first_0 = default(<ASTLabelType>);
<ASTLabelType> _last = default(<ASTLabelType>);
<endif>
>>
```

```
/** What to emit when there is no rewrite rule. For auto build
* mode, does nothing.
*/
noRewrite(rewriteBlockLevel=false, treeLevel=false) ::= <<
<if(!ruleDescriptor.isSynPred)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(rewriteMode)>
retval.Tree = (<ASTLabelType>)_first_0;
if (adaptor.GetParent(retval.Tree)!=null && adaptor.IsNil(adaptor.GetParent(retval.Tree)))
retval.Tree = (<ASTLabelType>)adaptor.GetParent(retval.Tree);
<endif>
<if(backtracking)>}<endif>
<endif>
>>
```

```
/** match ^(root children) in tree parser; override here to
* add tree construction actions.
*/
tree(root, actionsAfterRoot, children, nullableChildList,
enclosingTreeLevel, treeLevel) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
{
<ASTLabelType> _save_last_<treeLevel> = _last;
<ASTLabelType> _first_<treeLevel> = default(<ASTLabelType>);
<if(!rewriteMode)>
<ASTLabelType> root_<treeLevel> = (<ASTLabelType>)adaptor.Nil();
<endif>
<root:element()>
<if(rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)<endif>
<if(root.el.rule)>
if (_first_<enclosingTreeLevel> == null) _first_<enclosingTreeLevel> = <root.el.label>.Tree;
<else>
if (_first_<enclosingTreeLevel> == null) _first_<enclosingTreeLevel> = <root.el.label>;
```

```

<endif>
<endif>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if (input.LA(1) == TokenTypes.Down) {
 Match(input, TokenTypes.Down, null); <checkRuleBacktrackFailure()>
 <children:element()>
 Match(input, TokenTypes.Up, null); <checkRuleBacktrackFailure()>
}
<else>
Match(input, TokenTypes.Down, null); <checkRuleBacktrackFailure()>
<children:element()>
Match(input, TokenTypes.Up, null); <checkRuleBacktrackFailure()>
<endif>
<if(!rewriteMode)>
adaptor.AddChild(root_<enclosingTreeLevel>, root_<treeLevel>);
<endif>
_last = _save_last_<treeLevel>;
}
<else>
<super.tree(...)>
<endif>
>>

// TOKEN AST STUFF

/** ID! and output=AST (same as plain tokenRef) 'cept add
 * setting of _last
 */
tokenRefBang(token,label,elementIndex,terminalOptions) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.tokenRef(...)>
<else>
<super.tokenRefBang(...)>
<endif>
>>

/** ID auto construct */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
<label>_tree = new
<terminalOptions.node>(<if(terminalOptions.type)><terminalOptions.type>,<endif><label><if(terminalOptions.tex

```

```

t)>,<terminalOptions.text; format="string"><endif>;
<else>
<label>_tree =
(<ASTLabelType>)adaptor.DupNode(<if(terminalOptions.type)><terminalOptions.type>,<endif><label><if(terminalOptions.text)>,<terminalOptions.text; format="string"><endif>;
<endif><\n>
adaptor.AddChild(root_<treeLevel>, <label>_tree);
<if(backtracking)>}<endif>
<else> <! rewrite mode !>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)<endif>
if (_first_<treeLevel> == null) _first_<treeLevel> = <label>;
<endif>
<else>
<super.tokenRef(...)>
<endif>
>>

/** label+=TOKEN auto construct */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<if(!ruleDescriptor.isSynPred)>
<tokenRef(...)>
<listLabelElem(elem=label,...)>
<else>
<super.tokenRefAndListLabel(...)>
<endif>
>>

/** ^(ID ...) auto construct */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
<label>_tree = new
<terminalOptions.node>(<if(terminalOptions.type)><terminalOptions.type>,<endif><label><if(terminalOptions.text)>,<terminalOptions.text; format="string"><endif>;
<else>
<label>_tree =
(<ASTLabelType>)adaptor.DupNode(<if(terminalOptions.type)><terminalOptions.type>,<endif><label><if(terminalOptions.text)>,<terminalOptions.text; format="string"><endif>;
<endif><\n>
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(<label>_tree, root_<treeLevel>);
<if(backtracking)>}<endif>
<endif>
<else>
<super.tokenRefRuleRoot(...)>

```



```

<endif>
>>

/** Match ^(label+=TOKEN ...) auto construct */
tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<if(!ruleDescriptor.isSynPred)>
<tokenRefRuleRoot(...)>
<listLabelElem(elem=label,...)>
<else>
<super.tokenRefRuleRootAndListLabel(...)>
<endif>
>>

/** Match . wildcard and auto dup the node/subtree */
wildcard(token,label,elementIndex,terminalOptions) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.wildcard(...)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<label>_tree = (<ASTLabelType>)adaptor.DupTree(<label>);
adaptor.AddChild(root_<treeLevel>, <label>_tree);
<if(backtracking)>}<endif>
<else> <! rewrite mode !>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)<endif>
if (_first_<treeLevel> == null) _first_<treeLevel> = <label>;
<endif>
<else>
<super.wildcard(...)>
<endif>
>>

// SET AST

matchSet(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.matchSet(postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
<label>_tree = new
<terminalOptions.node>(<if(terminalOptions.type)><terminalOptions.type>,<endif><label><if(terminalOptions.tex
t)>,<terminalOptions.text; format="string"><endif>);
<else>
<label>_tree =
(<ASTLabelType>)adaptor.DupNode(<if(terminalOptions.type)><terminalOptions.type>,<endif><label><if(termin
alOptions.text)>,<terminalOptions.text; format="string"><endif>);

```

```

<endif><\n>
adaptor.AddChild(root_<treeLevel>, <label>_tree);
<if(backtracking)>\}<endif>
<endif>
}, ...
)>
<else>
<super.matchSet(...)>
<endif>
>>

matchRuleBlockSet(s,label,terminalOptions,elementIndex,postmatchCode,treeLevel="0") ::= <<
<if(!ruleDescriptor.isSynPred)>
<matchSet(...)>
<noRewrite(...)> <! set return tree !>
<else>
<super.matchRuleBlockSet(...)>
<endif>
>>

matchSetBang(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.matchSet(...)>
<else>
<super.matchSetBang(...)>
<endif>
>>

matchSetRuleRoot(s,label,terminalOptions,elementIndex,debug) ::= <<
<if(!ruleDescriptor.isSynPred)>
<super.matchSet(postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
<label>_tree = new
<terminalOptions.node>(<if(terminalOptions.type)><terminalOptions.type>,<endif><label><if(terminalOptions.tex
t)>,<terminalOptions.text; format="string"><endif>);
<else>
<label>_tree =
(<ASTLabelType>)adaptor.DupNode(<if(terminalOptions.type)><terminalOptions.type>,<endif><label><if(termin
alOptions.text)>,<terminalOptions.text; format="string"><endif>);
<endif><\n>
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(<label>_tree, root_<treeLevel>);
<if(backtracking)>\}<endif>
<endif>
}, ...
)>

```

```

<else>
<super.matchSetRuleRoot(...)>
<endif>
>>

// RULE REF AST

/** rule auto construct */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)<endif>
<if(!rewriteMode)>
adaptor.AddChild(root_<treeLevel>, <label>.Tree);
<else> <! rewrite mode !>
if (_first_<treeLevel> == null) _first_<treeLevel> = <label>.Tree;
<endif>
<else>
<super.ruleRef(...)>
<endif>
>>

/** x+=rule auto construct */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
<ruleRef(...)>
<listLabelElem(elem={<label>.Tree},...)>
<else>
<super.ruleRefAndListLabel(...)>
<endif>
>>

/** ^(rule ...) auto construct */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>root_<treeLevel> =
(<ASTLabelType>)adaptor.BecomeRoot(<label>.Tree, root_<treeLevel>);
<endif>
<else>
<super.ruleRefRuleRoot(...)>
<endif>
>>

/** ^(x+=rule ...) auto construct */

```

```

ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
<ruleRefRuleRoot(...)>
<listLabelElem(elem={<label>.Tree},...)>
<else>
<super.ruleRefRuleRootAndListLabel(...)>
<endif>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRefTrack(...)>
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRefTrackAndListLabel(...)>
<else>
<super.ruleRefTrackAndListLabel(...)>
<endif>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRefRootTrack(...)>
<else>
<super.ruleRefRuleRootTrack(...)>
<endif>
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRefRuleRootTrackAndListLabel(...)>
<else>
<super.ruleRefRuleRootTrackAndListLabel(...)>
<endif>
>>

/** Streams for token refs are tree nodes now; override to
* change NextToken to NextNode.
*/

```

```

createRewriteNodeFromElement(token,terminalOptions,args) ::= <%
<if(terminalOptions.node)>
new
<terminalOptions.node>(<if(terminalOptions.type)><terminalOptions.type>,<endif>stream_<token>.NextNode())
<else>
stream_<token>.NextNode()
<endif>
%>

```

```

ruleCleanUp() ::= <<
<super.ruleCleanUp()>
<if(!ruleDescriptor.isSynPred)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
retval.Tree = (<ASTLabelType>)adaptor.RulePostProcessing(root_0);
<if(backtracking)>}<endif>
<endif>
<endif>
>>

```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/CSharp3/ASTTreeParser.stg
```

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```

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\*/

/\*\* Templates for building ASTs during tree parsing.

\*

\* Deal with many combinations. Dimensions are:

\* Auto build or rewrite

\* no label, label, list label (label/no-label handled together)

\* child, root

\* token, set, rule, wildcard

\*

\* Each combination has its own template except that label/no label

\* is combined into tokenRef, ruleRef, ...

\*/

finishedBacktracking(block) ::= <<

<if(backtracking)>

if <actions.(actionScope).synpredgate>:

    <block>

<else>

<block>

<endif>

>>

/\*\* Add a variable to track last element matched \*/

ruleDeclarations() ::= <<

<super.ruleDeclarations()>

  \_first\_0 = None

  \_last = None<\n>

>>

/\*\* What to emit when there is no rewrite rule. For auto build

\* mode, does nothing.

\*/

noRewrite(rewriteBlockLevel, treeLevel) ::= <<

<finishedBacktracking({

<if(rewriteMode)>

  retval.tree = \_first\_0

  if self.\_adaptor.getParent(retval.tree) is not None and self.\_adaptor.isNil(self.\_adaptor.getParent(retval.tree)):

    retval.tree = self.\_adaptor.getParent(retval.tree)

<endif>

  })>

>>

/\*\* match ^(root children) in tree parser; override here to

\* add tree construction actions.

```

*/
tree(root, actionsAfterRoot, children, nullableChildList,
 enclosingTreeLevel, treeLevel) ::= <<
 _last = self.input.LT(1)
 _save_last_<treeLevel> = _last
 first<treeLevel> = None
 <if(!rewriteMode)>
 root_<treeLevel> = self._adaptor.nil()<\n>
 <endif>
 <root:element()>
 <if(rewriteMode)>
 <finishedBacktracking({
 <if(root.el.rule)>
 if _first_<enclosingTreeLevel> is None:
 first<enclosingTreeLevel> = <root.el.label>.tree<\n>
 <else>
 if _first_<enclosingTreeLevel> is None:
 first<enclosingTreeLevel> = <root.el.label><\n>
 <endif>
 })>
 <endif>
 <actionsAfterRoot:element()>
 <if(nullableChildList)>
 if self.input.LA(1) == DOWN:
 self.match(self.input, DOWN, None)
 <children:element()>
 self.match(self.input, UP, None)

 <else>
 self.match(self.input, DOWN, None)
 <children:element()>
 self.match(self.input, UP, None)<\n>
 <endif>
 <if(!rewriteMode)>
 self._adaptor.addChild(root_<enclosingTreeLevel>, root_<treeLevel>)<\n>
 <endif>
 _last = _save_last_<treeLevel>

 >>

// TOKEN AST STUFF

/** ID! and output=AST (same as plain tokenRef) 'cept add
 * setting of _last
 */
tokenRefBang(token,label,elementIndex,terminalOptions={ }) ::= <<
 _last = self.input.LT(1)
 <super.tokenRef(...)>

```

>>

```
/** ID auto construct */
tokenRef(token,label,elementIndex,terminalOptions={}) ::= <<
 _last = self.input.LT(1)
 <super.tokenRef(...)>
 <if(!rewriteMode)>
 <finishedBacktracking({
 <if(terminalOptions.node)>
 <label>_tree = <terminalOptions.node>(<label>)
 <else>
 <label>_tree = self._adaptor.dupNode(<label>)
 <endif><\n>
 self._adaptor.addChild(root_<treeLevel>, <label>_tree)
 })>
 <else> <! rewrite mode !>
 <finishedBacktracking({
 if _first_<treeLevel> is None:
 first<treeLevel> = <label><\n>
 })>
 <endif>
>>
```

```
/** label+=TOKEN auto construct */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
 <tokenRef(...)>
 <listLabel(elem=label,...)>
>>
```

```
/** ^(ID ...) auto construct */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions={}) ::= <<
 _last = self.input.LT(1)
 <super.tokenRef(...)>
 <if(!rewriteMode)>
 <finishedBacktracking({
 <if(terminalOptions.node)>
 <label>_tree = <terminalOptions.node>(<label>)
 <else>
 <label>_tree = self._adaptor.dupNode(<label>)
 <endif><\n>
 root_<treeLevel> = self._adaptor.becomeRoot(<label>_tree, root_<treeLevel>)
 })>
 <endif>
>>
```

```
/** Match ^(label+=TOKEN ...) auto construct */
tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
 <tokenRefRuleRoot(...)>
```



```

<listLabel(elem=label,...)>
>>

/** Match . wildcard and auto dup the node/subtree */
wildcard(token,label,elementIndex,terminalOptions={ }) ::= <<
 _last = self.input.LT(1)
 <super.wildcard(...)>
 <if(!rewriteMode)>
 <finishedBacktracking({
 <label>_tree = self._adaptor.dupTree(<label>)
 self._adaptor.addChild(root_<treeLevel>, <label>_tree)
 })>
 <else> <! rewrite mode !>
 <finishedBacktracking({
 if _first_<treeLevel> is None:
 first<treeLevel> = <label>
 })>
 <endif>
>>

// SET AST
matchSet(s,label,elementIndex,postmatchCode,terminalOptions={ }) ::= <<
 _last = self.input.LT(1)
 <super.matchSet(postmatchCode={
 <if(!rewriteMode)>
 <finishedBacktracking({
 <if(terminalOptions.node)>
 <label>_tree = <terminalOptions.node>(<label>)
 <else>
 <label>_tree = self._adaptor.dupNode(<label>)
 <endif><\n>
 self._adaptor.addChild(root_<treeLevel>, <label>_tree)
 })>
 <endif>
 }, ...)>
>>

matchRuleBlockSet(s,label,elementIndex,postmatchCode,treeLevel="0",terminalOptions={ }) ::= <<
 <matchSet(...)>
 <noRewrite(...)> <! set return tree !>
>>

matchSetBang(s,label,elementIndex,postmatchCode,terminalOptions={ }) ::= <<
 _last = self.input.LT(1)
 <super.matchSet(...)>
>>

matchSetRuleRoot(s,label,elementIndex,debug,terminalOptions={ }) ::= <<

```

```

<super.matchSet(postmatchCode={
<if(!rewriteMode)>
<finishedBacktracking({
<if(terminalOptions.node)>
<label>_tree = <terminalOptions.node>(<label>)
<else>
<label>_tree = self._adaptor.dupNode(<label>)
<endif><\n>
root_<treeLevel> = self._adaptor.becomeRoot(<label>_tree, root_<treeLevel>)
})>
<endif>
}, ...)>
>>

```

// RULE REF AST

```

/** rule auto construct */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
 _last = self.input.LT(1)
 <super.ruleRef(...)>
 <finishedBacktracking({
 <if(!rewriteMode)>
 self._adaptor.addChild(root_<treeLevel>, <label>.tree)
 <else> <! rewrite mode !>
 if _first_<treeLevel> is None:
 first<treeLevel> = <label>.tree<\n>
 <endif>
 })>
>>

```

```

/** x+=rule auto construct */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
 <ruleRef(...)>
 <listLabel(label, {<label>.tree})>
>>

```

```

/** ^(rule ...) auto construct */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
 _last = self.input.LT(1)
 <super.ruleRef(...)>
 <if(!rewriteMode)>
 <finishedBacktracking({
 root_<treeLevel> = self._adaptor.becomeRoot(<label>.tree, root_<treeLevel>)
 })>
 <endif>
>>

```

```

/** ^(x+=rule ...) auto construct */

```

```

ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<listLabel(label, {<label>.tree})>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
_last = self.input.LT(1)
<super.ruleRefTrack(...)>
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
_last = self.input.LT(1)
<super.ruleRefTrackAndListLabel(...)>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
_last = self.input.LT(1)
<super.ruleRefRootTrack(...)>
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
_last = self.input.LT(1)
<super.ruleRefRuleRootTrackAndListLabel(...)>
>>

/** Streams for token refs are tree nodes now; override to
 * change nextToken to nextNode.
 */
createRewriteNodeFromElement(token,scope,terminalOptions={}) ::= <<
<if(terminalOptions.node)>
<terminalOptions.node>(stream_<token>.nextNode())
<else>
stream_<token>.nextNode()
<endif>
>>

ruleCleanup() ::= <<
<super.ruleCleanup(>
<if(!rewriteMode)>
<finishedBacktracking({
retval.tree = self._adaptor.rulePostProcessing(root_0)
})>
<endif>
>>

```

Found in path(s):

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/templates/Python/ASTTreeParser.stg

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\*/

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\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/misc/MultiMap.java

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/misc/Utils.java

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/RuleLabelScope.java

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/Python3Target.java

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/analysis/StateCluster.java

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/misc/IntervalSet.java

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\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/GrammarSyntaxMessage.java

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/NFAFactory.java

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/Message.java

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/analysis/NFAState.java

- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/CTarget.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/GrammarUnreachableAltsMessage.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/Tool.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/analysis/NFAContext.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/Grammar.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/analysis/NFAToDFAConverter.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/NameSpaceChecker.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/GrammarReport2.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/misc/IntArrayList.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/DelphiTarget.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/analysis/AnalysisTimeoutException.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/Perl5Target.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/analysis/LookaheadSet.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/misc/BitSet.java
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- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/ActionScriptTarget.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/GrammarDanglingStateMessage.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/BuildDependencyGenerator.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/CompositeGrammar.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/analysis/DecisionProbe.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/CSharp2Target.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/CompositeGrammarTree.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/analysis/NFAConfiguration.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/Interpreter.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/analysis/SemanticContext.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/JavaScriptTarget.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/GrammarSemanticsMessage.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/GrammarInsufficientPredicatesMessage.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/analysis/NFAConversionThread.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/analysis/RuleClosureTransition.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/Rule.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/Attribute.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/misc/Barrier.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/PythonTarget.java
- \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/DOTGenerator.java

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/ToolMessage.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/RandomPhrase.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/Strip.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/analysis/State.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/analysis/AnalysisRecursionOverflowException.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/analysis/Label.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/LeftRecursionCyclesMessage.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/CppTarget.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/AssignTokenTypesBehavior.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/AttributeScope.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/misc/Interval.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/GrammarNonDeterminismMessage.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/analysis/DFASState.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/misc/IntSet.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/analysis/Transition.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/Target.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/Interp.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/analysis/LL1DFA.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/RecursionOverflowMessage.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/GrammarAnalysisAbortedMessage.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/ANTLRErrorListener.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/NonRegularDecisionMessage.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/GrammarSanity.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/analysis/PredicateLabel.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/analysis/NonLLStarDecisionException.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/ACyclicDFACodeGenerator.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/JavaTarget.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/GrammarAST.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/GrammarReport.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/analysis/ActionLabel.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/misc/Graph.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/ErrorMessageManager.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/analysis/DFA.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/FASerializer.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/misc/OrderedHashSet.java  
 \* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/analysis/MachineProbe.java

/\*

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\*/

/\*\* Templates for building ASTs during tree parsing.

\*

\* Deal with many combinations. Dimensions are:

\* Auto build or rewrite

\* no label, label, list label (label/no-label handled together)

\* child, root

\* token, set, rule, wildcard

\*

\* Each combination has its own template except that label/no label

\* is combined into tokenRef, ruleRef, ...

\*/

```
finishedBacktracking(block) ::= <<
```

```
<if(backtracking)>
```

```
if <actions.(actionScope).synpredgate>:
```

```
 <block>
```

```
<else>
```

```
<block>
```

```
<endif>
```

```
>>
```

```

/** Add a variable to track last element matched */
ruleDeclarations() ::= <<
<super.ruleDeclarations()>
_first_0 = None
_last = None<\n>
>>

/** What to emit when there is no rewrite rule. For auto build
* mode, does nothing.
*/
noRewrite(rewriteBlockLevel, treeLevel) ::= <<
<finishedBacktracking({
<if(rewriteMode)>
retval.tree = _first_0
if self._adaptor.getParent(retval.tree) is not None and self._adaptor.isNil(self._adaptor.getParent(retval.tree)):
 retval.tree = self._adaptor.getParent(retval.tree)
<endif>
})>
>>

/** match ^(root children) in tree parser; override here to
* add tree construction actions.
*/
tree(root, actionsAfterRoot, children, nullableChildList,
 enclosingTreeLevel, treeLevel) ::= <<
_last = self.input.LT(1)
_save_last_<treeLevel> = _last
first<treeLevel> = None
<if(!rewriteMode)>
root_<treeLevel> = self._adaptor.nil()<\n>
<endif>
<root:element()>
<if(rewriteMode)>
<finishedBacktracking({
<if(root.el.rule)>
if _first_<enclosingTreeLevel> is None:
 first<enclosingTreeLevel> = <root.el.label>.tree<\n>
<else>
if _first_<enclosingTreeLevel> is None:
 first<enclosingTreeLevel> = <root.el.label><\n>
<endif>
})>
<endif>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if self.input.LA(1) == DOWN:
 self.match(self.input, DOWN, None)
<children:element()>

```



```

self.match(self.input, UP, None)

<else>
self.match(self.input, DOWN, None)
<children:element()>
self.match(self.input, UP, None)<\n>
<endif>
<if(!rewriteMode)>
self._adaptor.addChild(root_<enclosingTreeLevel>, root_<treeLevel>)<\n>
<endif>
_last = _save_last_<treeLevel>

>>

// TOKEN AST STUFF

/** ID! and output=AST (same as plain tokenRef) 'cept add
 * setting of _last
 */
tokenRefBang(token,label,elementIndex,terminalOptions={}) ::= <<
_last = self.input.LT(1)
<super.tokenRef(...)>
>>

/** ID auto construct */
tokenRef(token,label,elementIndex,terminalOptions={}) ::= <<
_last = self.input.LT(1)
<super.tokenRef(...)>
<if(!rewriteMode)>
<finishedBacktracking({
<if(terminalOptions.node)>
<label>_tree = <terminalOptions.node>(<label>)
<else>
<label>_tree = self._adaptor.dupNode(<label>)
<endif><\n>
self._adaptor.addChild(root_<treeLevel>, <label>_tree)
})>
<else> <! rewrite mode !>
<finishedBacktracking({
if _first_<treeLevel> is None:
first<treeLevel> = <label><\n>
})>
<endif>
>>

/** label+=TOKEN auto construct */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRef(...)>

```

```

<listLabel(elem=label,...)>
>>

/** ^(ID ...) auto construct */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions={ }) ::= <<
 _last = self.input.LT(1)
 <super.tokenRef(...)>
 <if(!rewriteMode)>
 <finishedBacktracking({
 <if(terminalOptions.node)>
 <label>_tree = <terminalOptions.node>(<label>)
 <else>
 <label>_tree = self._adaptor.dupNode(<label>)
 <endif><\n>
 root_<treeLevel> = self._adaptor.becomeRoot(<label>_tree, root_<treeLevel>)
 })>
 <endif>
>>

/** Match ^(label+=TOKEN ...) auto construct */
tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions={ }) ::= <<
 <tokenRefRuleRoot(...)>
 <listLabel(elem=label,...)>
>>

/** Match . wildcard and auto dup the node/subtree */
wildcard(token,label,elementIndex,terminalOptions={ }) ::= <<
 _last = self.input.LT(1)
 <super.wildcard(...)>
 <if(!rewriteMode)>
 <finishedBacktracking({
 <label>_tree = self._adaptor.dupTree(<label>)
 self._adaptor.addChild(root_<treeLevel>, <label>_tree)
 })>
 <else> <! rewrite mode !>
 <finishedBacktracking({
 if _first_<treeLevel> is None:
 first<treeLevel> = <label>
 })>
 <endif>
>>

// SET AST
matchSet(s,label,elementIndex,postmatchCode,terminalOptions={ }) ::= <<
 _last = self.input.LT(1)
 <super.matchSet(postmatchCode={
 <if(!rewriteMode)>
 <finishedBacktracking({

```

```

<if(terminalOptions.node)>
<label>_tree = <terminalOptions.node>(<label>)
<else>
<label>_tree = self._adaptor.dupNode(<label>)
<endif><\n>
self._adaptor.addChild(root_<treeLevel>, <label>_tree)
}>
<endif>
}, ...>
>>

matchRuleBlockSet(s,label,elementIndex,postmatchCode,treeLevel="0",terminalOptions={}) ::= <<
<matchSet(...)>
<noRewrite(...)> <! set return tree !>
>>

matchSetBang(s,label,elementIndex,postmatchCode,terminalOptions={}) ::= <<
_last = self.input.LT(1)
<super.matchSet(...)>
>>

matchSetRuleRoot(s,label,elementIndex,debug,terminalOptions={}) ::= <<
<super.matchSet(postmatchCode={
<if(!rewriteMode)>
<finishedBacktracking({
<if(terminalOptions.node)>
<label>_tree = <terminalOptions.node>(<label>)
<else>
<label>_tree = self._adaptor.dupNode(<label>)
<endif><\n>
root_<treeLevel> = self._adaptor.becomeRoot(<label>_tree, root_<treeLevel>)
})>
<endif>
}, ...)>
>>

// RULE REF AST

/** rule auto construct */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
_last = self.input.LT(1)
<super.ruleRef(...)>
<finishedBacktracking({
<if(!rewriteMode)>
self._adaptor.addChild(root_<treeLevel>, <label>.tree)
<else> <! rewrite mode !>
if _first_<treeLevel> is None:
first<treeLevel> = <label>.tree<\n>

```

```

<endif>
})>
>>

/** x+=rule auto construct */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(label, {<label>.tree})>
>>

/** ^(rule ...) auto construct */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
_last = self.input.LT(1)
<super.ruleRef(...)>
<if(!rewriteMode)>
<finishedBacktracking({
root_<treeLevel> = self._adaptor.becomeRoot(<label>.tree, root_<treeLevel>)
})>
<endif>
>>

/** ^(x+=rule ...) auto construct */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<listLabel(label, {<label>.tree})>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
_last = self.input.LT(1)
<super.ruleRefTrack(...)>
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
_last = self.input.LT(1)
<super.ruleRefTrackAndListLabel(...)>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
_last = self.input.LT(1)
<super.ruleRefRootTrack(...)>
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
_last = self.input.LT(1)

```

```

<super.ruleRefRuleRootTrackAndListLabel(...)>
>>

/** Streams for token refs are tree nodes now; override to
 * change nextToken to nextNode.
 */
createRewriteNodeFromElement(token,scope,terminalOptions={ }) ::= <<
<if(terminalOptions.node)>
<terminalOptions.node>(stream_<token>.nextNode())
<else>
stream_<token>.nextNode()
<endif>
>>

ruleCleanUp() ::= <<
<super.ruleCleanUp()>
<if(!rewriteMode)>
<finishedBacktracking({
retval.tree = self._adaptor.rulePostProcessing(root_0)
})>
<endif>
>>

```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/Python3/ASTTreeParser.stg
```

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```
/*
```

```
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```

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```

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```

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```

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\*/

/\*\* Templates for building ASTs during tree parsing.

\*

\* Deal with many combinations. Dimensions are:

\* Auto build or rewrite

\* no label, label, list label (label/no-label handled together)

\* child, root

\* token, set, rule, wildcard

\*

\* Each combination has its own template except that label/no label

\* is combined into tokenRef, ruleRef, ...

\*/

group ASTTreeParser;

/\*\* Add a variable to track last element matched \*/

ruleDeclarations() ::= <<

<super.ruleDeclarations()>

<ASTLabelType> \_first\_0 = null;

<ASTLabelType> \_last = null;<\n>

>>

/\*\* What to emit when there is no rewrite rule. For auto build

\* mode, does nothing.

\*/

noRewrite(rewriteBlockLevel, treeLevel) ::= <<

<if(backtracking)>if ( state.backtracking==0 ) {<endif>

<if(rewriteMode)>

retval.tree = (<ASTLabelType>)\_first\_0;

if ( adaptor.getParent(retval.tree)!=null && adaptor.isNil( adaptor.getParent(retval.tree) ) )

retval.tree = (<ASTLabelType>)adaptor.getParent(retval.tree);

<endif>

<if(backtracking)>}<endif>

>>

/\*\* match ^(root children) in tree parser; override here to

\* add tree construction actions.

\*/

tree(root, actionsAfterRoot, children, nullableChildList,

enclosingTreeLevel, treeLevel) ::= <<

\_last = (<ASTLabelType>)input.LT(1);

```

{
<ASTLabelType> _save_last_<treeLevel> = _last;
<ASTLabelType> _first_<treeLevel> = null;
<if(!rewriteMode)>
<ASTLabelType> root_<treeLevel> = (<ASTLabelType>)adaptor.nil();
<endif>
<root:element()>
<if(rewriteMode)>
<if(backtracking)>if (state.backtracking==0)<endif>
<if(root.el.rule)>
if (_first_<enclosingTreeLevel>===null) _first_<enclosingTreeLevel> = <root.el.label>.tree;
<else>
if (_first_<enclosingTreeLevel>===null) _first_<enclosingTreeLevel> = <root.el.label>;
<endif>
<endif>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if (input.LA(1)==Token.DOWN) {
 match(input, Token.DOWN, null); <checkRuleBacktrackFailure()>
 <children:element()>
 match(input, Token.UP, null); <checkRuleBacktrackFailure()>
}
<else>
match(input, Token.DOWN, null); <checkRuleBacktrackFailure()>
<children:element()>
match(input, Token.UP, null); <checkRuleBacktrackFailure()>
<endif>
<if(!rewriteMode)>
adaptor.addChild(root_<enclosingTreeLevel>, root_<treeLevel>);
<endif>
_last = _save_last_<treeLevel>;
}<\n>
>>

```

```
// TOKEN AST STUFF
```

```

/** ID! and output=AST (same as plain tokenRef) 'cept add
 * setting of _last
 */
tokenRefBang(token,label,elementIndex) ::= <<
_last = (<ASTLabelType>)input.LT(1);
<super.tokenRef(...)>
>>

```

```

/** ID auto construct */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
_last = (<ASTLabelType>)input.LT(1);
<super.tokenRef(...)>

```

```

<if(!rewriteMode)>
<if(backtracking)>if (state.backtracking==0) {<endif>
<if(terminalOptions.node)>
<label>_tree = new <terminalOptions.node>(<label>);
<else>
<label>_tree = (<ASTLabelType>)adaptor.dupNode(<label>);
<endif><\n>
adaptor.addChild(root_<treeLevel>, <label>_tree);
<if(backtracking)>}<endif>
<else><! rewrite mode !>
<if(backtracking)>if (state.backtracking==0)<endif>
if (_first_<treeLevel>==null) _first_<treeLevel> = <label>;
<endif>
>>

/** label+=TOKEN auto construct */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

/** ^(ID ...) auto construct */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions) ::= <<
_last = (<ASTLabelType>)input.LT(1);
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if (state.backtracking==0) {<endif>
<if(terminalOptions.node)>
<label>_tree = new <terminalOptions.node>(<label>);
<else>
<label>_tree = (<ASTLabelType>)adaptor.dupNode(<label>);
<endif><\n>
root_<treeLevel> = (<ASTLabelType>)adaptor.becomeRoot(<label>_tree, root_<treeLevel>);
<if(backtracking)>}<endif>
<endif>
>>

/** Match ^(label+=TOKEN ...) auto construct */
tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefRuleRoot(...)>
<listLabel(elem=label,...)>
>>

// SET AST

matchSet(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
_last = (<ASTLabelType>)input.LT(1);
<super.matchSet(..., postmatchCode={

```



```

<if(!rewriteMode)>
<if(backtracking)>if (state.backtracking==0) {<endif>
<if(terminalOptions.node)>
<label>_tree = new <terminalOptions.node>(<label>);
<else>
<label>_tree = (<ASTLabelType>)adaptor.dupNode(<label>);
<endif><\n>
adaptor.addChild(root_<treeLevel>, <label>_tree);
<if(backtracking)>}<endif>
<endif>
}
)>
>>

matchRuleBlockSet(s,label,terminalOptions,elementIndex,postmatchCode,treeLevel="0") ::= <<
<matchSet(...)>
<noRewrite()> <! set return tree !>
>>

matchSetBang(s,label,elementIndex,postmatchCode) ::= <<
_last = (<ASTLabelType>)input.LT(1);
<super.matchSet(...)>
>>

matchSetRuleRoot(s,label,terminalOptions,elementIndex,debug) ::= <<
<super.matchSet(..., postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if (state.backtracking==0) {<endif>
<if(terminalOptions.node)>
<label>_tree = new <terminalOptions.node>(<label>);
<else>
<label>_tree = (<ASTLabelType>)adaptor.dupNode(<label>);
<endif><\n>
root_<treeLevel> = (<ASTLabelType>)adaptor.becomeRoot(<label>_tree, root_<treeLevel>);
<if(backtracking)>}<endif>
<endif>
}
)>
>>

// RULE REF AST

/** rule auto construct */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRef(...)>
<if(backtracking)>if (state.backtracking==0) <endif>
<if(!rewriteMode)>

```

```

adaptor.addChild(root_<treeLevel>, <label>.getTree());
<else> <! rewrite mode !>
if (_first_<treeLevel>==null) _first_<treeLevel> = <label>.tree;
<endif>
>>

/** x+=rule auto construct */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(elem=label+".getTree()",...)>
>>

/** ^(rule ...) auto construct */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if (state.backtracking==0) <endif>root_<treeLevel> =
(<ASTLabelType>)adaptor.becomeRoot(<label>.getTree(), root_<treeLevel>);
<endif>
>>

/** ^(x+=rule ...) auto construct */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<listLabel(elem=label+".getTree()",...)>
>>

/** Streams for token refs are tree nodes now; override to
 * change nextToken to nextNode.
 */
createRewriteNodeFromElement(token,terminalOptions,scope) ::= <<
<if(terminalOptions.node)>
new <terminalOptions.node>(stream_<token>.nextNode())
<else>
stream_<token>.nextNode()
<endif>
>>

ruleCleanUp() ::= <<
<super.ruleCleanUp()>
<if(!rewriteMode)>
<if(backtracking)>if (state.backtracking==0) {<\n><endif>
retval.tree = (<ASTLabelType>)adaptor.rulePostProcessing(root_0);
<if(backtracking)>}<endif>
<endif>
>>

```

Found in path(s):

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/templates/Perl5/ASTTreeParser.stg

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\*/

/\*

New style messages. This file contains the actual layout of the messages emitted by ANTLR.

The text itself is coming out of the languages/\*stg files, according to the chosen locale.

This file contains the format that mimicks GCC output.

\*/

group gnu;

location(file, line, column) ::= "<file>:<line>:"

message(id, text) ::= "<text> (<id>)"

report(location, message, type) ::= "<location> <type>: <message>"

wantsSingleLineMessage() ::= "true"

Found in path(s):

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/tool/templates/messages/formats/gnu.stg

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\*/

/\*

New style messages. This file only contains the messages in English, but no information about which file, line, or column it occurred in.

The location and message ids are taken out of the formats directory.

Kay Roepke

\*/

group en\_US;

// TOOL ERRORS

// file errors

CANNOT\_WRITE\_FILE(arg,exception,stackTrace) ::= <<

cannot write file <arg>: <exception>

<stackTrace; separator="\n">

>>

CANNOT\_CLOSE\_FILE(arg,exception,stackTrace) ::= "cannot close file <arg>: <exception>"

CANNOT\_FIND\_TOKENS\_FILE(arg) ::= "cannot find tokens file <arg>"

```

ERROR_READING_TOKENS_FILE(arg,exception,stackTrace) ::= <<
problem reading token vocabulary file <arg>: <exception>
<stackTrace; separator="\n">
>>
DIR_NOT_FOUND(arg,exception,stackTrace) ::= "directory not found: <arg>"
OUTPUT_DIR_IS_FILE(arg,exception,stackTrace) ::= "output directory is a file: <arg>"
CANNOT_OPEN_FILE(arg,exception,stackTrace) ::= "cannot find or open file: <arg><if(exception)>; reason:
<exception><endif>"
CIRCULAR_DEPENDENCY() ::= "your grammars contain a circular dependency and cannot be sorted into a valid
build order."

INTERNAL_ERROR(arg,arg2,exception,stackTrace) ::= <<
internal error: <arg> <arg2><if(exception)>: <exception><endif>
<stackTrace; separator="\n">
>>
INTERNAL_WARNING(arg) ::= "internal warning: <arg>"
ERROR_CREATING_ARTIFICIAL_RULE(arg,exception,stackTrace) ::= <<
problems creating lexer rule listing all tokens: <exception>
<stackTrace; separator="\n">
>>
TOKENS_FILE_SYNTAX_ERROR(arg,arg2) ::=
"problems parsing token vocabulary file <arg> on line <arg2>"
CANNOT_GEN_DOT_FILE(arg,exception,stackTrace) ::=
"cannot write DFA DOT file <arg>: <exception>"
BAD_ACTION_AST_STRUCTURE(exception,stackTrace) ::=
"bad internal tree structure for action '<arg>': <exception>"
BAD_AST_STRUCTURE(arg,exception,stackTrace) ::= <<
bad internal tree structure '<arg>': <exception>
<stackTrace; separator="\n">
>>
FILE_AND_GRAMMAR_NAME_DIFFER(arg,arg2) ::=
"file <arg2> contains grammar <arg>; names must be identical"
FILENAME_EXTENSION_ERROR(arg) ::=
"file <arg> must end in a file extension, normally .g"

// code gen errors
MISSING_CODE_GEN_TEMPLATES(arg) ::=
"cannot find code generation templates <arg>.stg"
MISSING_CYCLIC_DFA_CODE_GEN_TEMPLATES() ::=
"cannot find code generation cyclic DFA templates for language <arg>"
CODE_GEN_TEMPLATES_INCOMPLETE(arg) ::=
"at least one code generation template missing for language <arg>"
CANNOT_CREATE_TARGET_GENERATOR(arg,exception,stackTrace) ::=
"cannot create target <arg> code generator: <exception>"
STRING_TEMPLATE_ERROR(arg,exception,stackTrace) ::=
"template error: <arg>"
CANNOT_COMPUTE_SAMPLE_INPUT_SEQ() ::=
"cannot generate a sample input sequence from lookahead DFA"

```

```

// grammar interpretation errors
/*
NO_VIABLE_DFA_ALT(arg,arg2) ::=
 "no viable transition from state <arg> on <arg2> while interpreting DFA"
*/

// GRAMMAR ERRORS
SYNTAX_ERROR(arg) ::= "syntax error: <arg>"
RULE_REDEFINITION(arg) ::=
 "rule <arg> redefinition"
LEXER_RULES_NOT_ALLOWED(arg) ::=
 "lexer rule <arg> not allowed in parser"
PARSER_RULES_NOT_ALLOWED(arg) ::=
 "parser rule <arg> not allowed in lexer"
CANNOT_FIND_ATTRIBUTE_NAME_IN_DECL(arg) ::=
 "cannot find an attribute name in attribute declaration"
NO_TOKEN_DEFINITION(arg) ::=
 "no lexer rule corresponding to token: <arg>"
UNDEFINED_RULE_REF(arg) ::=
 "reference to undefined rule: <arg>"
LITERAL_NOT_ASSOCIATED_WITH_LEXER_RULE(arg) ::=
 "literal has no associated lexer rule: <arg>"
CANNOT_ALIAS_TOKENS_IN_LEXER(arg) ::=
 "literals are illegal in lexer tokens{ } section: <arg>"
ATTRIBUTE_REF_NOT_IN_RULE(arg,arg2) ::=
 "reference to attribute outside of a rule: <arg><if(arg2)>.<arg2><endif>"
UNKNOWN_ATTRIBUTE_IN_SCOPE(arg,arg2) ::=
 "unknown attribute for <arg>: <arg2>"
UNKNOWN_RULE_ATTRIBUTE(arg,arg2) ::=
 "unknown attribute for rule <arg>: <arg2>"
UNKNOWN_SIMPLE_ATTRIBUTE(arg,args2) ::=
 "attribute is not a token, parameter, or return value: <arg>"
ISOLATED_RULE_SCOPE(arg) ::=
 "missing attribute access on rule scope: <arg>"
INVALID_RULE_PARAMETER_REF(arg,arg2) ::=
 "cannot access rule <arg>'s parameter: <arg2>"
INVALID_RULE_SCOPE_ATTRIBUTE_REF(arg,arg2) ::=
 "cannot access rule <arg>'s dynamically-scoped attribute: <arg2>"
SYMBOL_CONFLICTS_WITH_GLOBAL_SCOPE(arg) ::=
 "symbol <arg> conflicts with global dynamic scope with same name"
WRITE_TO_READONLY_ATTR(arg,arg2,arg3) ::=
 "cannot write to read only attribute: $<arg><if(arg2)>.<arg2><endif>"
LABEL_CONFLICTS_WITH_RULE(arg) ::=
 "label <arg> conflicts with rule with same name"
LABEL_CONFLICTS_WITH_TOKEN(arg) ::=
 "label <arg> conflicts with token with same name"
LABEL_CONFLICTS_WITH_RULE_SCOPE_ATTRIBUTE(arg,arg2) ::=

```

"label <arg> conflicts with rule <arg2>'s dynamically-scoped attribute with same name"

LABEL\_CONFLICTS\_WITH\_RULE\_ARG\_RETVAL(arg,arg2) ::=

"label <arg> conflicts with rule <arg2>'s return value or parameter with same name"

ATTRIBUTE\_CONFLICTS\_WITH\_RULE(arg,arg2) ::=

"rule <arg2>'s dynamically-scoped attribute <arg> conflicts with the rule name"

ATTRIBUTE\_CONFLICTS\_WITH\_RULE\_ARG\_RETVAL(arg,arg2) ::=

"rule <arg2>'s dynamically-scoped attribute <arg> conflicts with<arg2>'s return value or parameter with same name"

LABEL\_TYPE\_CONFLICT(arg,arg2) ::=

"label <arg> type mismatch with previous definition: <arg2>"

ARG\_RETVAL\_CONFLICT(arg,arg2) ::=

"rule <arg2>'s argument <arg> conflicts a return value with same name"

NONUNIQUE\_REF(arg) ::=

"<arg> is a non-unique reference"

FORWARD\_ELEMENT\_REF(arg) ::=

"illegal forward reference: <arg>"

MISSING\_RULE\_ARGS(arg) ::=

"missing parameter(s) on rule reference: <arg>"

RULE\_HAS\_NO\_ARGS(arg) ::=

"rule <arg> has no defined parameters"

ARGS\_ON\_TOKEN\_REF(arg) ::=

"token reference <arg> may not have parameters"

ILLEGAL\_OPTION(arg) ::=

"illegal option <arg>"

LIST\_LABEL\_INVALID\_UNLESS\_RETVAL\_STRUCT(arg) ::=

"rule '+=' list labels are not allowed w/o output option: <arg>"

UNDEFINED\_TOKEN\_REF\_IN\_REWRITE(arg) ::=

"reference to undefined token in rewrite rule: <arg>"

REWRITE\_ELEMENT\_NOT\_PRESENT\_ON\_LHS(arg) ::=

"reference to rewrite element <arg> without reference on left of ->"

UNDEFINED\_LABEL\_REF\_IN\_REWRITE(arg) ::=

"reference to undefined label in rewrite rule: \$<arg>"

NO\_GRAMMAR\_START\_RULE (arg) ::=

"grammar <arg>: no start rule (no rule can obviously be followed by EOF)"

EMPTY\_COMPLEMENT(arg) ::= <<

<if(arg)>

set complement ~<arg> is empty

<else>

set complement is empty

<endif>

>>

UNKNOWN\_DYNAMIC\_SCOPE(arg) ::=

"unknown dynamic scope: <arg>"

UNKNOWN\_DYNAMIC\_SCOPE\_ATTRIBUTE(arg,arg2) ::=

"unknown dynamically-scoped attribute for scope <arg>: <arg2>"

RULE\_REF\_AMBIG\_WITH\_RULE\_IN\_ALT(arg) ::=

"reference \$<arg> is ambiguous; rule <arg> is enclosing rule and referenced in the production (assuming enclosing rule)"

ISOLATED\_RULE\_ATTRIBUTE(arg) ::=  
 "reference to locally-defined rule scope attribute without rule name: <arg>"

INVALID\_ACTION\_SCOPE(arg,arg2) ::=  
 "unknown or invalid action scope for <arg2> grammar: <arg>"

ACTION\_REDEFINITION(arg) ::=  
 "redefinition of <arg> action"

DOUBLE\_QUOTES\_ILLEGAL(arg) ::=  
 "string literals must use single quotes (such as '\begin\'): <arg>"

INVALID\_TEMPLATE\_ACTION(arg) ::=  
 "invalid StringTemplate % shorthand syntax: '<arg>'"

MISSING\_ATTRIBUTE\_NAME() ::=  
 "missing attribute name on \$ reference"

ARG\_INIT\_VALUES\_ILLEGAL(arg) ::=  
 "rule parameters may not have init values: <arg>"

REWRITE\_OR\_OP\_WITH\_NO\_OUTPUT\_OPTION(arg) ::=  
 "<if(arg)>rule <arg> uses <endif>rewrite syntax or operator with no output option; setting output=AST"

AST\_OP\_WITH\_NON\_AST\_OUTPUT\_OPTION(arg) ::=  
 "AST operator with non-AST output option: <arg>"

NO\_RULES(arg) ::= "grammar file <arg> has no rules"

MISSING\_AST\_TYPE\_IN\_TREE\_GRAMMAR(arg) ::=  
 "tree grammar <arg> has no ASTLabelType option"

REWRITE\_FOR\_MULTI\_ELEMENT\_ALT(arg) ::=  
 "with rewrite=true, alt <arg> not simple node or obvious tree element; text attribute for rule not guaranteed to be correct"

RULE\_INVALID\_SET(arg) ::=  
 "Cannot complement rule <arg>; not a simple set or element"

HETERO\_ILLEGAL\_IN\_REWRITE\_ALT(arg) ::=  
 "alts with rewrites can't use heterogeneous types left of ->"

NO\_SUCH\_GRAMMAR\_SCOPE(arg,arg2) ::=  
 "reference to undefined grammar in rule reference: <arg>.<arg2>"

NO\_SUCH\_RULE\_IN\_SCOPE(arg,arg2) ::=  
 "rule <arg2> is not defined in grammar <arg>"

TOKEN\_ALIAS\_CONFLICT(arg,arg2) ::=  
 "cannot alias <arg>; string already assigned to <arg2>"

TOKEN\_ALIAS\_REASSIGNMENT(arg,arg2) ::=  
 "cannot alias <arg>; token name already assigned to <arg2>"

TOKEN\_VOCAB\_IN\_DELEGATE(arg,arg2) ::=  
 "tokenVocab option ignored in imported grammar <arg>"

INVALID\_IMPORT(arg,arg2) ::=  
 "<arg.grammarTypeString> grammar <arg.name> cannot import <arg2.grammarTypeString> grammar <arg2.name>"

IMPORTED\_TOKENS\_RULE\_EMPTY(arg,arg2) ::=  
 "no lexer rules contributed to <arg> from imported grammar <arg2>"

IMPORT\_NAME\_CLASH(arg,arg2) ::=  
 "combined grammar <arg.name> and imported <arg2.grammarTypeString> grammar <arg2.name> both generate <arg2.recognizerName>; import ignored"

AST\_OP\_IN\_ALT\_WITH\_REWRITE(arg,arg2) ::=  
 "rule <arg> alt <arg2> uses rewrite syntax and also an AST operator"



WILDCARD\_AS\_ROOT(arg) ::= "Wildcard invalid as root; wildcard can itself be a tree"  
CONFLICTING\_OPTION\_IN\_TREE\_FILTER(arg,arg2) ::= "option <arg>=<arg2> conflicts with tree grammar filter mode"  
ILLEGAL\_OPTION\_VALUE(arg, arg2) ::= "value '<arg2>' invalid for option <arg>"  
ALL\_OPS\_NEED\_SAME\_ASSOC(arg) ::= "all operators of alt <alt> of left-recursive rule must have same associativity"  
RANGE\_OP\_ILLEGAL(arg) ::= "the .. range operator isn't allowed in parser rules"

// GRAMMAR WARNINGS

GRAMMAR\_NONDETERMINISM(input,conflictingAlts,paths,disabled,hasPredicateBlockedByAction) ::= <<  
<if(paths)>  
Decision can match input such as "<input>" using multiple alternatives:  
<paths:{ it | alt <it.alt> via NFA path <it.states; separator=","><\n>}>  
<else>  
Decision can match input such as "<input>" using multiple alternatives: <conflictingAlts; separator=",">  
<endif>  
<if(disabled)><\n>As a result, alternative(s) <disabled; separator=","> were disabled for that input<endif><if(hasPredicateBlockedByAction)><\n>Semantic predicates were present but were hidden by actions.<endif>  
>>

DANGLING\_STATE(danglingAlts,input) ::= <<  
the decision cannot distinguish between alternative(s) <danglingAlts; separator=","> for input such as "<input>"  
>>

UNREACHABLE\_ALTS(alts) ::= <<  
The following alternatives can never be matched: <alts; separator=","><\n>  
>>

INSUFFICIENT\_PREDICATES(upon,altToLocations,hasPredicateBlockedByAction) ::= <<  
Input such as "<upon>" is insufficiently covered with predicates at locations: <altToLocations.keys:{ alt|alt <alt>:  
<altToLocations.(alt):{loc| line <loc.line>:<loc.column> at <loc.text>}>; separator=",">; separator=",">  
>><if(hasPredicateBlockedByAction)><\n>Semantic predicates were present but were hidden by actions.<endif>  
>>

DUPLICATE\_SET\_ENTRY(arg) ::=  
"duplicate token type <arg> when collapsing subrule into set"

ANALYSIS\_ABORTED(enclosingRule) ::= <<  
ANTLR could not analyze this decision in rule <enclosingRule>; often this is because of recursive rule references visible from the left edge of alternatives. ANTLR will re-analyze the decision with a fixed lookahead of k=1. Consider using "options {k=1;}" for that decision and possibly adding a syntactic predicate.  
>>

RECURSION\_OVERFLOW(alt,input,targetRules,callSiteStates) ::= <<  
Alternative <alt>: after matching input such as <input> decision cannot predict what comes next due to recursion

```
overflow <targetRules,callSiteStates:{t,c|to <t> from <c:{s|<s.enclosingRule.name>};separator=", ">}; separator="
and ">
>>
```

```
LEFT_RECURSION(targetRules,alt,callSiteStates) ::= <<
Alternative <alt> discovers infinite left-recursion <targetRules,callSiteStates:{t,c|to <t> from
<c:{s|<s.enclosingRule>};separator=", ">}; separator=" and ">
>>
```

```
UNREACHABLE_TOKENS(tokens) ::= <<
The following token definitions can never be matched because prior tokens match the same input: <tokens;
separator=", ">
>>
```

```
TOKEN_NONDETERMINISM(input,conflictingTokens,paths,disabled,hasPredicateBlockedByAction) ::=
<<
<if(paths)>
Decision can match input such as "<input>" using multiple alternatives:
<paths:{ it | alt <it.alt> via NFA path <it.states; separator=", "><n>}>
<else>
Multiple token rules can match input such as "<input>": <conflictingTokens; separator=", "><n>
<endif>
<if(disabled)><n>As a result, token(s) <disabled; separator=", "> were disabled for that
input<endif><if(hasPredicateBlockedByAction)><n>Semantic predicates were present but were hidden by
actions.<endif>
>>
```

```
LEFT_RECURSION_CYCLES(listOfCycles) ::= <<
The following sets of rules are mutually left-recursive <listOfCycles:{c| [<c:{r|<r.name>}; separator=", ">];
separator=" and ">
>>
```

```
NONREGULAR_DECISION(ruleName,alts) ::= <<
[fatal] rule <ruleName> has non-LL(*) decision due to recursive rule invocations reachable from alts <alts;
separator=", ">. Resolve by left-factoring or using syntactic predicates or using backtrack=true option.
>>
```

```
/* 110n for message levels */
warning() ::= "warning"
error() ::= "error"
```

```
Found in path(s):
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/tool/templates/messages/languages/en.stg
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```

```
/*
* [The "BSD license"]
```

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* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/
/** ANTLR's code generator.
*
* Generate recognizers derived from grammars. Language independence
* achieved through the use of STGroup objects. All output
* strings are completely encapsulated in the group files such as Java.stg.
* Some computations are done that are unused by a particular language.
* This generator just computes and sets the values into the templates;
* the templates are free to use or not use the information.
*
* To make a new code generation target, define X.stg for language X
* by copying from existing Y.stg most closely related to your language;
* e.g., to do CSharp.stg copy Java.stg. The template group file has a
* bunch of templates that are needed by the code generator. You can add
* a new target w/o even recompiling ANTLR itself. The language=X option
* in a grammar file dictates which templates get loaded/used.
*
* Some language like C need both parser files and header files. Java needs
* to have a separate file for the cyclic DFA as ANTLR generates bytecodes
* directly (which cannot be in the generated parser Java file). To facilitate
* this,
*
* cyclic can be in same file, but header, output must be searpate. recognizer
* is in outptufile.

```

\*/

Found in path(s):

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/CodeGenerator.java

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\*/

/\*

New style messages. This file contains the actual layout of the messages emitted by ANTLR.

The text itself is coming out of the languages/\*stg files, according to the chosen locale.

This file contains the default format ANTLR uses.

\*/

group antlr;

location(file, line, column) ::= "<file>(<line>,<column>)"

message(id, text) ::= "error <id> : <text>"

report(location, message, type) ::= "<location> : <type> <message.id> : <message.text>"

wantsSingleLineMessage() ::= "true"

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/tool/templates/messages/formats/vs2005.stg
```

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group Dbg;

```
/*
```

```
[The "BSD license"]
```

```
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```

```
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```

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```
*/
```

```
@parserBody.mixins() ::= <<
```

```
include ANTLR3::<if(profile)>Profile<else>Debug<endif>::ParserEvents
```

```
>>
```

```
@parserBody.additionalMembers() ::= <<
```

```
<if(grammar.grammarIsRoot)>
```

```
RULE_NAMES = [
```

```
:invalid_rule, <grammar.allImportedRules:{rST|:<rST.name>}; wrap="\n ", separator=", ">
```

```
].freeze
```

```
<endif>
```

```
>>
```

```

@rule.body() ::= <<
in_rule(grammar_file_name, "<ruleName>") do
 @debug_listener.location(<ruleDescriptor.tree.line>, <ruleDescriptor.tree.column>)

 <@super.body()>

 @debug_listener.location(<ruleDescriptor.EORNode.line>, <ruleDescriptor.EORNode.column>)
end
>>

// Common debug event triggers used by region overrides below
enterSubRule() ::= <<
in_subrule(<decisionNumber>) do<\n>
>>

exitSubRule() ::= <<
end<\n>
>>

enterDecision() ::= <<
in_decision(<decisionNumber>) do<\n>
>>

exitDecision() ::= <<
end<\n>
>>

enterAlt(n) ::= <<
in_alternative(<n>)<\n>
>>

// Region overrides that tell various constructs to add debugging triggers
@block.body() ::= <<
in_subrule(<decisionNumber>) do
 <@super.body()>
end
>>

// @blockBody.predecision() ::= "<enterSubRule()>"

```

```
// @blockBody.postdecision() ::= "<exitDecision>"
// @blockBody.postbranch() ::= "<exitSubRule>"
@blockBody.decision() ::= <<
in_decision(<decisionNumber>) do
 <@super.decision()>
end
>>
```

```
@ruleBlock.decision() ::= <<
in_decision(<decisionNumber>) do
 <@super.decision()>
end<\n>
>>
```

```
@ruleBlockSingleAlt.preatl() ::= "<enterAlt(n={ 1 })>"
```

```
@blockSingleAlt.preatl() ::= "<enterAlt(n={ 1 })>"
```

```
@positiveClosureBlock.loopBody() ::= <<
in_subrule(<decisionNumber>) do
 <@super.loopBody()>
end
>>
```

```
@positiveClosureBlockLoop.decisionBody() ::= <<
in_decision(<decisionNumber>) do
 <@super.decisionBody()>
end
>>
```

```
@positiveClosureBlockLoop.earlyExitException() ::= <<
@debug_listener.recognition_exception(eee)
>>
```

```
@closureBlock.loopBody() ::= <<
in_subrule(<decisionNumber>) do
 <@super.loopBody()>
end
>>
```

```
@closureBlockLoop.decisionBody() ::= <<
in_decision(<decisionNumber>) do
 <@super.decisionBody()>
end
>>
```

```
@altSwitchCase.preatt() ::= "<enterAlt(altNum)>" // altNum is arg of altSwitchCase
```

```
element(e) ::= <<
@debug_listener.location(<e.line>, <e.pos>) // e is arg of element
<super.element(e)>
>>
```

```
@matchSet.mismatchedSetException() ::= "@debug_listener.recognition_exception(mse)"
```

```
@dfaState.noViableAltException() ::= <<
nvae = NoViableAlternative("<description>", <decisionNumber>, <stateNumber>)
@debug_listener.recognition_exception(nvae)
raise(nvae)<\n>
>>
```

```
@dfaStateSwitch.noViableAltException() ::= <<
nvae = NoViableAlternative("<description>", <decisionNumber>, <stateNumber>)
@debug_listener.recognition_exception(nvae)
raise(nvae)<\n>
>>
```

```
dfaDecision(decisionNumber,description) ::= <<
begin
 @state.cyclic_decision = true
 <super.dfaDecision(...)>
rescue ANTLR3::Error::NoViableAlternative => nvae
 @debug_listener.recognition_exception(nvae)
 raise
end
>>
```

```
@cyclicDFA.errorMethod() ::= <<
def error(nvae)
 @recognizer.debug_listener.recognition_exception(nvae)
 super
end
>>
```



```
/** Force predicate validation to trigger an event */
evalPredicate(pred,description) ::= <<
predicate?("<description>") { <pred> }
>>
```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/templates/Ruby/Dbg.stg
No license file was found, but licenses were detected in source scan.
```

```
/*
```

```
[The "BSD license"]
```

```
Copyright (c) 2010 Kyle Yetter
```

```
All rights reserved.
```

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```
*/
```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/RubyTarget.java
No license file was found, but licenses were detected in source scan.
```

```
/*
```

```
[The "BSD license"]
```

```
Copyright (c) 2005-2009 Jim Idle, Temporal Wave LLC
```

```
http://www.temporal-wave.com
```

```
http://www.linkedin.com/in/jimidle
```

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```
*/
```

```
/** Add an adaptor property that knows how to build trees */
```

```
@headerFile.members() ::= <<
```

```
/* @headerFile.members() */
```

```
pANTLR3_BASE_TREE_ADAPTOR adaptor;
```

```
pANTLR3_VECTOR_FACTORY vectors;
```

```
/* End @headerFile.members() */
```

```
>>
```

```
/** Install the tree adaptor interface pointer and anything else that
```

```
* tree parsers and producers require.
```

```
*/
```

```
@genericParser.apifuncs() ::= <<
```

```
<if(PARSER)>
```

```
ADAPTOR = ANTLR3_TREE_ADAPTORNew(instream->tstream->tokenSource->strFactory);<\n>
```

```
<endif>
```

```
ctx->vectors = antlr3VectorFactoryNew(0);
```

```
>>
```

```
@genericParser.cleanup() ::= <<
```

```
ctx->vectors->close(ctx->vectors);
```

```
<if(PARSER)>
```

```
/* We created the adaptor so we must free it
```

```
*/
```

```
ADAPTOR->free(ADAPTOR);
```

```
<endif>
```

```

>>

@returnScope.ruleReturnMembers() ::= <<

<super.ASTLabelType()> tree;

>>

/** Add a variable to track rule's return AST */
ruleDeclarations() ::= <<
<super.ruleDeclarations()>
<ASTLabelType> root_0;<\n>
>>

ruleInitializations() ::= <<
<super.ruleInitializations()>
root_0 = NULL;<\n>
>>

ruleLabelDefs() ::= <<
<super.ruleLabelDefs()>
<ruleDescriptor.tokenLabels:{it | <ASTLabelType> <it.label.text>_tree;}; separator="\n">
<ruleDescriptor.tokenListLabels:{it | <ASTLabelType> <it.label.text>_tree;}; separator="\n">
<ruleDescriptor.allTokenRefsInAltsWithRewrites
 :{it | pANTLR3_REWRITE_RULE_<rewriteElementType>_STREAM stream_<it>;}; separator="\n">
<ruleDescriptor.allRuleRefsInAltsWithRewrites
 :{it | pANTLR3_REWRITE_RULE_SUBTREE_STREAM stream_<it>;}; separator="\n">
>>

/* Note that we defer the actual creation of any rewrite streams we need here and just initialize
 * them to NULL. This saves creating huge numbers of rewrite streams that cannot be used as only
 * one alt will be taken in a rule, but we are declaring all the streams here. So we define
 * a macro that conatins the create code, then use this macro later to check if the stream
 * has been created yet. Checking for NULL is almost free in C.
 */
ruleLabelInitializations() ::= <<
<super.ruleLabelInitializations()>
<ruleDescriptor.tokenLabels:{it | <it.label.text>_tree = NULL;}; separator="\n">
<ruleDescriptor.tokenListLabels:{it | <it.label.text>_tree = NULL;}; separator="\n">

<ruleDescriptor.allTokenRefsInAltsWithRewrites
 :{it | stream_<it> = NULL;
 #define CREATE_stream_<it> if (stream_<it> == NULL) {stream_<it> =
 antlr3RewriteRule<rewriteElementType>StreamNewAE(ADAPTOR, RECOGNIZER, (pANTLR3_UINT8)"token
 <it>"); \} }; separator="\n">
<ruleDescriptor.allRuleRefsInAltsWithRewrites
 :{it | stream_<it> = NULL;
 #define CREATE_stream_<it> if (stream_<it> == NULL) {stream_<it> =

```

```
antlr3RewriteRuleSubtreeStreamNewAE(ADAPTOR, RECOGNIZER, (pANTLR3_UINT8)"rule <it>"); \}};
separator="\n">
```

```
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.tree = NULL;
<endif>
>>
```

```
/** a rule label including default value */
ruleLabelInitVal(label) ::= <<
<super.ruleLabelInitVal(...)>
<label.label.text>.tree = NULL;
>>
```

```
/** When doing auto AST construction, we must define some variables;
 * These should be turned off if doing rewrites. This must be a "mode"
 * as a rule could have both rewrite and AST within the same alternative
 * block.
 */
@alt.declarations() ::= <<
<if(autoAST)>
<if(outerAlt)>
<endif>
<endif>
>>
```

```
@alt.initializations() ::= <<
<if(autoAST)>
<if(outerAlt)>
<if(!rewriteMode)>
root_0 = (<ASTLabelType>)(ADAPTOR->nilNode(ADAPTOR));<\n>
<endif>
<endif>
<endif>
>>
```

```
// Tracking Rule Elements
//
```

```
/** ID but track it for use in a rewrite rule */
tokenRefTrack(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefBang(...)> <! Track implies no auto AST construction!>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) { <endif>CREATE_stream_<token>;
stream_<token>->add(stream_<token>, <label>, NULL);<if(backtracking)> }<endif><\n>
>>
```

```
/** ids+=ID and track it for use in a rewrite rule; adds to ids *and*
```

```

* to the tracking list stream_ID for use in the rewrite.
*/
tokenRefTrackAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefTrack(...)>
<listLabel(elem=label,...)>
>>

/** ^(ID ...) track for rewrite */
tokenRefRuleRootTrack(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefBang(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) { <endif>CREATE_stream_<token>; stream_<token>-
>add(stream_<token>, <label>, NULL);<if(backtracking)> }<endif><\n>
>>

wildcardTrack(label,elementIndex) ::= <<
<super.wildcard(...)>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) { <endif>CREATE_stream_<rule.name>;
stream_<rule.name>->add(stream_<rule.name>, <label>.tree, NULL);<if(backtracking)> }<endif>
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefTrack(...)>
<listLabelTrack(...)>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) { <endif>CREATE_stream_<rule.name>;
stream_<rule.name>->add(stream_<rule.name>, <label>.tree, NULL);<if(backtracking)> }<endif>
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRootTrack(...)>
<listLabelAST(...)>
>>

// RULE REF AST

```

```

/** Match ^(label+=TOKEN ...) track for rewrite */
tokenRefRuleRootTrackAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefRuleRootTrack(...)>
<listLabel(elem=label,...)>
>>

/* How to accumulate lists when we are doing rewrite tracking...
*/
listLabelTrack(label) ::= <<
/* listLabelTrack(label)
*/
if (list_<label> == NULL)
{
 list_<label>=ctx->vectors->newVector(ctx->vectors);
}
list_<label>->add(list_<label>, <label>.tree, NULL);
>>

/* How to accumulate lists of rule outputs (only allowed with AST
* option but if the user is going to walk the tree, they will want
* all their custom elements from rule returns.
*
* Normally, we use inline structures (which the compiler lays down
* code to copy from heap allocations. However, here we want to accumulate copies
* of the returned structures because we are adding them to a list. This only makes sense if the
* grammar is not rewriting the tree as a tree rewrite only preserves the tree, not the object/structure
* returned from the rule. The rewrite will extract the tree pointer. However, if we are not going to
* do a tree re-write, then the user may wish to iterate the structures returned by the rule in
* action code and will expect the user defined returns[] elements to be available when they do this.
* Hence we cannot just preserve the tree that was returned. So, we must copy the local structure and provide
* a function that can free the allocated space. We cannot know how to free user allocated elements and
* presume that the user will know to do this using their own factories for the structures they allocate.
*/
listLabelAST(label) ::= <<
if (list_<label> == NULL)
{
 list_<label>=ctx->vectors->newVector(ctx->vectors);
}
{
 RETURN_TYPE_<label> * tcopy;

 tcopy = (RETURN_TYPE_<label> *)ANTLR3_MALLOC(sizeof(RETURN_TYPE_<label>)); /* Note no
memory allocation checks! */
 ANTLR3_MEMCPY((void *)tcopy, (const void *)<label>, sizeof(RETURN_TYPE_<label>));
 list_<label>->add(list_<label>, (void *)tcopy, freeScope); /* Add whatever the return type is */<n>
}

```

```

>>

// R e w r i t e

rewriteCode(
 alts,
 description,
 referencedElementsDeep, // ALL referenced elements to right of ->
 referencedTokenLabels,
 referencedTokenListLabels,
 referencedRuleLabels,
 referencedRuleListLabels,
 referencedWildcardLabels,
 referencedWildcardListLabels,
 rewriteBlockLevel,
 enclosingTreeLevel,
 treeLevel) ::=
<<

/* AST REWRITE
* elements : <referencedElementsDeep; separator=", ">
* token labels : <referencedTokenLabels; separator=", ">
* rule labels : <referencedRuleLabels; separator=", ">
* token list labels : <referencedTokenListLabels; separator=", ">
* rule list labels : <referencedRuleListLabels; separator=", ">
*/
<if(backtracking)>
if (<actions.(actionScope).synpredgate>) <\n>
<endif>
{
 <rewriteCodeLabelsDecl()>
 <rewriteCodeLabelsInit()>
 root_0 = (<ASTLabelType>)(ADAPTOR->nilNode(ADAPTOR));
 <prevRuleRootRef()>.tree = root_0;
 <alts:rewriteAlt(); separator="else ">
 <if(TREE_PARSER)>
 <if(rewriteMode)>
 <prevRuleRootRef()>.tree = (<ASTLabelType>)(ADAPTOR->rulePostProcessing(ADAPTOR, root_0));
 INPUT->replaceChildren(INPUT, ADAPTOR->getParent(ADAPTOR, retval.start),
 ADAPTOR->getChildIndex(ADAPTOR, retval.start),
 ADAPTOR->getChildIndex(ADAPTOR, _last),
 retval.tree);
 <endif>
 <endif>
 <prevRuleRootRef()>.tree = root_0; // set result root
 <rewriteCodeLabelsFree()>
}

```

>>

rewriteCodeLabelsDecl() ::= <<

<referencedTokenLabels

{it | pANTLR3\_REWRITE\_RULE\_<rewriteElementType>\_STREAM stream\_<it>;}  
separator="\n"

>

<referencedTokenListLabels

{it | pANTLR3\_REWRITE\_RULE\_<rewriteElementType>\_STREAM stream\_<it>;}  
separator="\n"

>

<referencedRuleLabels

{it | pANTLR3\_REWRITE\_RULE\_SUBTREE\_STREAM stream\_<it>;}  
separator="\n"

>

<referencedRuleListLabels

{it | pANTLR3\_REWRITE\_RULE\_SUBTREE\_STREAM stream\_<it>;}  
separator="\n"

>

>>

rewriteCodeLabelsInit() ::= <<

<referencedTokenLabels

{it | stream\_<it>=antlr3RewriteRule<rewriteElementType>StreamNewAEE(ADAPTOR, RECOGNIZER,  
(pANTLR3\_UINT8)"token <it>", <it>);}  
separator="\n"

>

<referencedTokenListLabels

{it | stream\_<it>=antlr3RewriteRule<rewriteElementType>StreamNewAEV(ADAPTOR, RECOGNIZER,  
(pANTLR3\_UINT8)"token <it>", list\_<it>); }  
separator="\n"

>

<referencedRuleLabels

{it | stream\_<it>=antlr3RewriteRuleSubtreeStreamNewAEE(ADAPTOR, RECOGNIZER,  
(pANTLR3\_UINT8)"token <it>", <it>.tree != NULL ? <it>.tree : NULL);}  
separator="\n"

>

<referencedRuleListLabels

{it | stream\_<it>=antlr3RewriteRuleSubtreeStreamNewAEV(ADAPTOR, RECOGNIZER,  
(pANTLR3\_UINT8)"token <it>", list\_<it>); }  
separator="\n"

>

>>

rewriteCodeLabelsFree() ::= <<

<referencedTokenLabels

{it | if (stream\_<it> != NULL) stream\_<it>->free(stream\_<it>); }  
separator="\n"

>



```

<referencedTokenListLabels
:{it | if (stream_<it> != NULL) stream_<it>->free(stream_<it>)};
separator="\n"
>
<referencedRuleLabels
:{it | if (stream_<it> != NULL) stream_<it>->free(stream_<it>)};
separator="\n"
>
<referencedRuleListLabels
:{it | if (stream_<it> != NULL) stream_<it>->free(stream_<it>)};
separator="\n"
>
>>

/** Generate code for an optional rewrite block; note it uses the deep ref'd element
 * list rather shallow like other blocks.
 */
rewriteOptionalBlock(
alt,
rewriteBlockLevel,
referencedElementsDeep, // all nested refs
referencedElements, // elements in immediately block; no nested blocks
description) ::=
<<
// <fileName>:<description>
{
if (<referencedElementsDeep:{el | (stream_<el> != NULL && stream_<el>->hasNext(stream_<el>)) } ;
separator="|| ">)
{
<alt>
}
<referencedElementsDeep:{el | if (stream_<el> != NULL) stream_<el>->reset(stream_<el>);<n>}>
}<n>
>>

rewriteClosureBlock(
alt,
rewriteBlockLevel,
referencedElementsDeep, // all nested refs
referencedElements, // elements in immediately block; no nested blocks
description) ::=
<<
// <fileName>:<description>
{
while (<referencedElements:{el | (stream_<el> != NULL && stream_<el>->hasNext(stream_<el>)) } ; separator="||
">)
{
<alt>

```

```

}
<referencedElements:{el | if (stream_<el> != NULL) stream_<el>->reset(stream_<el>);<\n>}>
}<\n>
>>
RewriteEarlyExitException() ::=
<<
CONSTRUCTEX();
EXCEPTION->type = ANTLR3_REWRITE_EARLY_EXCEPTION;
EXCEPTION->name = (void *)ANTLR3_REWRITE_EARLY_EXCEPTION_NAME;
>>
rewritePositiveClosureBlock(
 alt,
 rewriteBlockLevel,
 referencedElementsDeep, // all nested refs
 referencedElements, // elements in immediately block; no nested blocks
 description) ::=
<<
if (<referencedElements:{el | (stream_<el> == NULL || !stream_<el>->hasNext(stream_<el>)) }; separator="|| ">)
{
 <RewriteEarlyExitException()>
}
else
{
 while (<referencedElements:{el | (stream_<el>->hasNext(stream_<el>)) }; separator="|| ">) {
 <alt>
 }
 <referencedElements:{el | stream_<el>->reset(stream_<el>);<\n>}>
}
>>

rewriteAlt(a) ::= <<
// <a.description>
<if(a.pred)>
if (<a.pred>)
{
 <a.alt>
}<\n>
<else>
{
 <a.alt>
}<\n>
<endif>
>>

/** For empty rewrites: "r : ... -> ;" */
rewriteEmptyAlt() ::= "root_0 = NULL; /* \<-- rewriteEmptyAlt() */"

rewriteTree(root,children,description,enclosingTreeLevel,treeLevel) ::= <<

```

```

// <fileName>:<description>
{
 <ASTLabelType> root_<treeLevel> = (<ASTLabelType>)(ADAPTOR->nilNode(ADAPTOR));
 <root:rewriteElement()>
 <children:rewriteElement()>
 ADAPTOR->addChild(ADAPTOR, root_<enclosingTreeLevel>, root_<treeLevel>);
}<\n>
>>

rewriteElementList(elements) ::= "<elements:rewriteElement()>"

rewriteElement(e) ::= <<
<@pregen()>
<e.el>
>>

/** Gen ID or ID[args] */
rewriteTokenRef(token,elementIndex,terminalOptions,args) ::= <<
ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, <createRewriteNodeFromElement(...)>);<\n>
>>

/** Gen $label ... where defined via label=ID */
rewriteTokenLabelRef(label,elementIndex) ::= <<
ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, stream_<label> == NULL ? NULL : stream_<label>-
>nextNode(stream_<label>));<\n>
>>

/** Gen $label ... where defined via label+=ID */
rewriteTokenListLabelRef(label,elementIndex) ::= <<
ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, stream_<label> == NULL ? NULL : stream_<label>-
>nextNode(stream_<label>));<\n>
>>

/** Gen ^($label ...) */
rewriteTokenLabelRefRoot(label,elementIndex) ::= <<
root_<treeLevel> = (<ASTLabelType>)(ADAPTOR->becomeRootToken(ADAPTOR, stream_<label> == NULL ?
NULL : stream_<label>->nextToken(stream_<label>), root_<treeLevel>));<\n>
>>

/** Gen ^($label ...) where label+=... */
rewriteTokenListLabelRefRoot ::= rewriteTokenLabelRefRoot

/** Gen ^(ID ...) or ^(ID[args] ...) */
rewriteTokenRefRoot(token,elementIndex,terminalOptions,args) ::= <<
root_<treeLevel> = (<ASTLabelType>)(ADAPTOR->becomeRoot(ADAPTOR,
<createRewriteNodeFromElement(...)>, root_<treeLevel>));<\n>
>>

```

```

rewriteImaginaryTokenRef(args,token,terminalOptions,elementIndex) ::= <<
ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, <createImaginaryNode(tokenType=token, ...)>);<\n>
>>

rewriteImaginaryTokenRefRoot(args,token,terminalOptions,elementIndex) ::= <<
root_<treeLevel> = (<ASTLabelType>)(ADAPTOR->becomeRoot(ADAPTOR,
<createImaginaryNode(tokenType=token, ...)>, root_<treeLevel>));<\n>
>>

/** plain -> {foo} action */
rewriteAction(action) ::= <<
root_0 = <action>;<\n>
>>

/** What is the name of the previous value of this rule's root tree? This
* let's us refer to $rule to mean previous value. I am reusing the
* variable 'tree' sitting in retval struct to hold the value of root_0 right
* before I set it during rewrites. The assign will be to retval.tree.
*/
prevRuleRootRef() ::= "retval"

rewriteRuleRef(rule,dup) ::= <<
ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, stream_<rule> == NULL ? NULL : stream_<rule>-
>nextTree(stream_<rule>));<\n>
>>

rewriteRuleRefRoot(rule,dup) ::= <<
root_<treeLevel> = (<ASTLabelType>)(ADAPTOR->becomeRoot(ADAPTOR, stream_<rule> == NULL ? NULL
: stream_<rule>->nextNode(stream_<rule>), root_<treeLevel>));<\n>
>>

rewriteNodeAction(action) ::= <<
ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, <action>);<\n>
>>

rewriteNodeActionRoot(action) ::= <<
root_<treeLevel> = (<ASLabelType>)(ADAPTOR->becomeRoot(ADAPTOR, <action>, root_<treeLevel>));<\n>
>>

/** Gen $ruleLabel ... where defined via ruleLabel=rule */
rewriteRuleLabelRef(label) ::= <<
ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, stream_<label> == NULL ? NULL : stream_<label>-
>nextTree(stream_<label>));<\n>
>>

/** Gen $ruleLabel ... where defined via ruleLabel+=rule */
rewriteRuleListLabelRef(label) ::= <<
ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, stream_<label> == NULL ? NULL : stream_<label>-

```

```

>nextTree(stream_<label>));<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel=rule */
rewriteRuleLabelRefRoot(label) ::= <<
root_<treeLevel> = (<ASTLabelType>)(ADAPTOR->becomeRoot(ADAPTOR, stream_<label> == NULL ? NULL
: stream_<label>->nextNode(stream_<label>), root_<treeLevel>));<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel+=rule */
rewriteRuleListLabelRefRoot(label) ::= <<
root_<treeLevel> = (<ASTLabelType>)(ADAPTOR->becomeRoot((<ASTLabelType>)(stream_<label> == NULL
? NULL : stream_<label>->nextNode(stream_<label>), root_<treeLevel>));<\n>
>>

rewriteWildcardLabelRef(label) ::= <<
ADAPTOR->addChild(ADAPTOR, root_<treeLevel>, stream_<label> == NULL ? NULL : stream_<label>-
>nextTree(stream_<label>));<\n>
>>

createImaginaryNode(tokenType,terminalOptions,args) ::= <<
<if(terminalOptions.node)>
<! new MethodNode(IDLabel, args) !>
<terminalOptions.node>New(<tokenType><if(args)>, <args; separator=", "><endif>)
<else>
<if(args)>

#if <length(args)> == 2
(<ASTLabelType>)ADAPTOR->createTypeTokenText(ADAPTOR, <tokenType>, TOKTEXT(<args; separator=",
">))
#else
(<ASTLabelType>)ADAPTOR->createTypeText(ADAPTOR, <tokenType>, (pANTLR3_UINT8)<args;
separator=", ">)
#endif

<else>
(<ASTLabelType>)ADAPTOR->createTypeText(ADAPTOR, <tokenType>, (pANTLR3_UINT8)"<tokenType>")
<endif>
<endif>
>>

createRewriteNodeFromElement(token,terminalOptions,args) ::= <<
<if(terminalOptions.node)>
<terminalOptions.node>New(stream_<token>->nextToken(stream_<token>)<if(args)>, <args; separator=",
"><endif>)
<else>
<if(args)> <! must create new node from old !>

```

```

#if <length(args)> == 2
ADAPTOR->createTypeTokenText(ADAPTOR, <token>->getType(<token>, TOKTEXT(<token>, <args;
separator=", ">)) /* JIMI */
#else
ADAPTOR->createTypeToken(ADAPTOR, <token>->getType(<token>, <token>, <args; separator=", ">)
#endif

<else>
stream_<token> == NULL ? NULL : stream_<token>->nextNode(stream_<token>)
<endif>
<endif>
>>

```

Found in path(s):

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/templates/C/AST.stg

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```

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 */
/** Template subgroup to add template rewrite output

```

```

* If debugging, then you'll also get STDbg.stg loaded.
*/

@outputFile.imports() ::= <<
<@super.imports()>
using Antlr.StringTemplate;
using Antlr.StringTemplate.Language;
<if(!backtracking)>
using Hashtable = System.Collections.Hashtable;
<endif>

>>

/** Add this to each rule's return value struct */
@returnScope.ruleReturnMembers() ::= <<
private StringTemplate _st;
public StringTemplate Template { get { return _st; } set { _st = value; } }
public override string ToString() { return (Template==null) ? string.Empty : Template.ToString(); }
>>

@genericParser.members() ::= <<
<@super.members()>
protected StringTemplateGroup templateLib = new StringTemplateGroup("<name>Templates",
typeof(AngleBracketTemplateLexer));

public StringTemplateGroup TemplateLib
{
 get { return this.templateLib; }
 set { this.templateLib = value; }
}

/// \<summary> Allows convenient multi-value initialization:
/// "new STAttrMap().Add(...).Add(...)"
/// \</summary>
protected class STAttrMap : Hashtable
{
 public STAttrMap Add(string attrName, object value)
 {
 base.Add(attrName, value);
 return this;
 }
 public STAttrMap Add(string attrName, int value)
 {
 base.Add(attrName, value);
 return this;
 }
}
>>

```

```

/** x+=rule when output=template */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(elem=label+".Template",...)>
>>

```

```

rewriteTemplate(alts) ::= <<

```

```

// TEMPLATE REWRITE
<if(backtracking)>
if (<actions.(actionScope).synpredgate>)
{
<alts:rewriteTemplateAlt(); separator="else ">
<if(rewriteMode)><replaceTextInLine()><endif>
}
<else>
<alts:rewriteTemplateAlt(); separator="else ">
<if(rewriteMode)><replaceTextInLine()><endif>
<endif>
>>

```

```

replaceTextInLine() ::= <<
<if(TREE_PARSER)>
((TokenRewriteStream)input.TokenStream).Replace(
input.TreeAdaptor.GetTokenStartIndex(retval.Start),
input.TreeAdaptor.GetTokenStopIndex(retval.Start),
retval.Template);
<else>
((TokenRewriteStream)input).Replace(
((IToken)retval.Start).TokenIndex,
input.LT(-1).TokenIndex,
retval.Template);
<endif>
>>

```

```

rewriteTemplateAlt() ::= <<
// <it.description>
<if(it.pred)>
if (<it.pred>) {
retval.Template = <it.alt>;
}<\n>
<else>
{
retval.Template = <it.alt>;
}<\n>
<endif>
>>

```



```

rewriteEmptyTemplate(alts) ::= <<
null;
>>

/** Invoke a template with a set of attribute name/value pairs.
 * Set the value of the rule's template after having set
 * the attributes because the rule's template might be used as
 * an attribute to build a bigger template; you get a self-embedded
 * template.
 */
rewriteExternalTemplate(name,args) ::= <<
templateLib.GetInstanceOf("<name>"<if(args)>,
new STAttrMap()<args:{a | .Add("<a.name>", <a.value>)}>
<endif>)
>>

/** expr is a string expression that says what template to load */
rewriteIndirectTemplate(expr,args) ::= <<
templateLib.GetInstanceOf(<expr><if(args)>,
new STAttrMap()<args:{a | .Add("<a.name>", <a.value>)}>
<endif>)
>>

/** Invoke an inline template with a set of attribute name/value pairs */
rewriteInlineTemplate(args, template) ::= <<
new StringTemplate(templateLib, "<template>"<if(args)>,
new STAttrMap()<args:{a | .Add("<a.name>", <a.value>)}>
<endif>)
>>

/** plain -> {foo} action */
rewriteAction(action) ::= <<
<action>
>>

/** An action has %st.attrName=expr; or % {st}.attrName=expr; */
actionSetAttribute(st,attrName,expr) ::= <<
(<st>).SetAttribute("<attrName>",<expr>);
>>

/** Translate % {stringExpr} */
actionStringConstructor(stringExpr) ::= <<
new StringTemplate(templateLib,<stringExpr>)
>>

```

Found in path(s):

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-

jar/org/antlr/codegen/templates/CSharp2/ST.stg

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\*/

/\*\* Templates for building ASTs during tree parsing.

\*

\* Deal with many combinations. Dimensions are:

\* Auto build or rewrite

\* no label, label, list label (label/no-label handled together)

\* child, root

\* token, set, rule, wildcard

\*

\* Each combination has its own template except that label/no label

\* is combined into tokenRef, ruleRef, ...

\*/

/\*\* Add a variable to track last element matched \*/

ruleDeclarations() ::= <<



```

 <children:element()>
 Match(input, TokenType.Up, null); <checkRuleBacktrackFailure()>
 }
<else>
Match(input, TokenType.Down, null); <checkRuleBacktrackFailure()>
<children:element()>
Match(input, TokenType.Up, null); <checkRuleBacktrackFailure()>
<endif>
<if(!rewriteMode)>
adaptor.AddChild(root_<enclosingTreeLevel>, root_<treeLevel>);
<endif>
_last = _save_last_<treeLevel>;
}
<else>
<super.tree(...)>
<endif>
>>

// TOKEN AST STUFF

/** ID! and output=AST (same as plain tokenRef) 'cept add
 * setting of _last
 */
tokenRefBang(token,label,elementIndex,terminalOptions) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.tokenRef(...)>
<else>
<super.tokenRefBang(...)>
<endif>
>>

/** ID auto construct */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
<label>_tree = new
<terminalOptions.node>(<if(terminalOptions.type)><terminalOptions.type>,<endif><label><if(terminalOptions.tex
t)>,<terminalOptions.text; format="string"><endif>);
<else>
<label>_tree =
(<ASTLabelType>)adaptor.DupNode(<if(terminalOptions.type)><terminalOptions.type>,<endif><label><if(termin
alOptions.text)>,<terminalOptions.text; format="string"><endif>);
<endif><\n>

```

```

adaptor.AddChild(root_<treeLevel>, <label>_tree);
<if(backtracking)></endif>
<else> <! rewrite mode !>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)</endif>
if (_first_<treeLevel> == null) _first_<treeLevel> = <label>;
</endif>
<else>
<super.tokenRef(...)>
</endif>
>>

/** label+=TOKEN auto construct */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<if(!ruleDescriptor.isSynPred)>
<tokenRef(...)>
<listLabelElem(elem=label,...)>
</else>
<super.tokenRefAndListLabel(...)>
</endif>
>>

/** ^(ID ...) auto construct */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.tokenRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {</endif>
<if(terminalOptions.node)>
<label>_tree = new
<terminalOptions.node><(if(terminalOptions.type)><terminalOptions.type>,</endif><label><(if(terminalOptions.tex
t)>,<terminalOptions.text; format="string"></endif>);
</else>
<label>_tree =
(<ASTLabelType>)adaptor.DupNode(<(if(terminalOptions.type)><terminalOptions.type>,</endif><label><(if(termin
alOptions.text)>,<terminalOptions.text; format="string"></endif>);
</endif><\n>
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(<label>_tree, root_<treeLevel>);
<if(backtracking)></endif>
</endif>
<else>
<super.tokenRefRuleRoot(...)>
</endif>
>>

/** Match ^(label+=TOKEN ...) auto construct */
tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<if(!ruleDescriptor.isSynPred)>

```

```

<tokenRefRuleRoot(...)>
<listLabelElem(elem=label,...)>
<else>
<super.tokenRefRuleRootAndListLabel(...)>
<endif>
>>

/** Match . wildcard and auto dup the node/subtree */
wildcard(token,label,elementIndex,terminalOptions) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.wildcard(...)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<label>_tree = (<ASTLabelType>)adaptor.DupTree(<label>);
adaptor.AddChild(root_<treeLevel>, <label>_tree);
<if(backtracking)>}<endif>
<else> <! rewrite mode !>
<if(backtracking)>if (<actions.(actionScope).synpredgate>)<endif>
if (_first_<treeLevel> == null) _first_<treeLevel> = <label>;
<endif>
<else>
<super.wildcard(...)>
<endif>
>>

// SET AST

matchSet(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.matchSet(postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
<label>_tree = new
<terminalOptions.node>(<if(terminalOptions.type)><terminalOptions.type>,<endif><label><if(terminalOptions.tex
t)>,<terminalOptions.text; format="string"><endif>);
<else>
<label>_tree =
(<ASTLabelType>)adaptor.DupNode(<if(terminalOptions.type)><terminalOptions.type>,<endif><label><if(termin
alOptions.text)>,<terminalOptions.text; format="string"><endif>);
<endif><\n>
adaptor.AddChild(root_<treeLevel>, <label>_tree);
<if(backtracking)>}\}<endif>
<endif>
}, ...
)>

```

```

<else>
<super.matchSet(...)>
<endif>
>>

matchRuleBlockSet(s,label,terminalOptions,elementIndex,postmatchCode,treeLevel="0") ::= <<
<if(!ruleDescriptor.isSynPred)>
<matchSet(...)>
<noRewrite(...)> <! set return tree !>
<else>
<super.matchRuleBlockSet(...)>
<endif>
>>

matchSetBang(s,label,terminalOptions,elementIndex,postmatchCode) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.matchSet(...)>
<else>
<super.matchSetBang(...)>
<endif>
>>

matchSetRuleRoot(s,label,terminalOptions,elementIndex,debug) ::= <<
<if(!ruleDescriptor.isSynPred)>
<super.matchSet(postmatchCode={
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<if(terminalOptions.node)>
<label>_tree = new
<terminalOptions.node><(if(terminalOptions.type)><terminalOptions.type>,<endif><label><(if(terminalOptions.tex
t)>,<terminalOptions.text; format="string"><endif>);
<else>
<label>_tree =
(<ASTLabelType>)adaptor.DupNode(<(if(terminalOptions.type)><terminalOptions.type>,<endif><label><(if(termin
alOptions.text)>,<terminalOptions.text; format="string"><endif>);
<endif><\n>
root_<treeLevel> = (<ASTLabelType>)adaptor.BecomeRoot(<label>_tree, root_<treeLevel>);
<if(backtracking)>}\}<endif>
<endif>
}, ...
)>
<else>
<super.matchSetRuleRoot(...)>
<endif>
>>

// RULE REF AST

```

```

/** rule auto construct */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate><endif>
<if(!rewriteMode)>
adaptor.AddChild(root_<treeLevel>, <label>.Tree);
<else> <! rewrite mode !>
if (_first_<treeLevel> == null) _first_<treeLevel> = <label>.Tree;
<endif>
<else>
<super.ruleRef(...)>
<endif>
>>

/** x+=rule auto construct */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
<ruleRef(...)>
<listLabelElem(elem={<label>.Tree},...)>
<else>
<super.ruleRefAndListLabel(...)>
<endif>
>>

/** ^(rule ...) auto construct */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
_last = (<ASTLabelType>)input.LT(1);
<super.ruleRef(...)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate> <endif>root_<treeLevel> =
(<ASTLabelType>)adaptor.BecomeRoot(<label>.Tree, root_<treeLevel>);
<endif>
<else>
<super.ruleRefRuleRoot(...)>
<endif>
>>

/** ^(x+=rule ...) auto construct */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
<ruleRefRuleRoot(...)>
<listLabelElem(elem={<label>.Tree},...)>
<else>
<super.ruleRefRuleRootAndListLabel(...)>

```



```

<endif>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
 _last = (<ASTLabelType>)input.LT(1);
<super.ruleRefTrack(...)>
<else>
<super.ruleRefTrack(...)>
<endif>
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
 _last = (<ASTLabelType>)input.LT(1);
<super.ruleRefTrackAndListLabel(...)>
<else>
<super.ruleRefTrackAndListLabel(...)>
<endif>
>>

/** ^(rule ...) rewrite */
ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
 _last = (<ASTLabelType>)input.LT(1);
<super.ruleRefRuleRootTrack(...)>
<else>
<super.ruleRefRuleRootTrack(...)>
<endif>
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
 _last = (<ASTLabelType>)input.LT(1);
<super.ruleRefRuleRootTrackAndListLabel(...)>
<else>
<super.ruleRefRuleRootTrackAndListLabel(...)>
<endif>
>>

/** Streams for token refs are tree nodes now; override to
 * change NextToken to NextNode.
 */
createRewriteNodeFromElement(token,terminalOptions,args) ::= <%
<if(terminalOptions.node)>

```

```
new
<terminalOptions.node>(<if(terminalOptions.type)><terminalOptions.type>,<endif>stream_<token>.NextNode())
<else>
stream_<token>.NextNode()
<endif>
%>
```

```
ruleCleanUp() ::= <<
<super.ruleCleanUp()>
<if(!ruleDescriptor.isSynPred)>
<if(!rewriteMode)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
retval.Tree = (<ASTLabelType>)adaptor.RulePostProcessing(root_0);
<if(backtracking)>}<endif>
<endif>
<endif>
>>
```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
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\*/

/\*\* The API version of the runtime that recognizers generated by this runtime

\* need.

\*/

apiVersion() ::= "1"

/\*\* The overall file structure of a recognizer; stores methods for rules

\* and cyclic DFAs plus support code.

\*/

outputFile(LEXER,PARSER,TREE\_PARSER, actionScope, actions,  
docComment, recognizer,  
name, tokens, tokenNames, rules, cyclicDFAs,  
bitsets, buildTemplate, buildAST, rewriteMode, profile,  
backtracking, synpreds, memoize, numRules,  
fileName, ANTLRVersion, generatedTimestamp, trace,  
scopes, superClass, literals) ::=

<<

# \$ANTLR <ANTLRVersion> <fileName> <generatedTimestamp>

<@imports>

import sys

from antlr3 import \*

<if(TREE\_PARSER)>

from antlr3.tree import \*<\n>

<endif>

<@end>

<actions.(actionScope).header>

<! <docComment> !>

# for convenience in actions

HIDDEN = BaseRecognizer.HIDDEN

# token types

<tokens:{it | <it.name>=<it.type>}; separator="\n">

# token names

tokenNamesMap = {

0: "\<invalid>", 1: "\<EOR>", 2: "\<DOWN>", 3: "\<UP>",

<tokens:{it | <it.type>: "<it.name>"}; wrap, separator=", ">

}

Token.registerTokenNamesMap(tokenNamesMap)

<recognizer>

```

<if(actions.(actionScope).main)>
<actions.(actionScope).main>
<else>
def main(argv, stdin=sys.stdin, stdout=sys.stdout, stderr=sys.stderr):
<if(LEXER)>
 from antlr3.main import LexerMain
 main = LexerMain(<recognizer.name>)<\n>
<endif>
<if(PARSER)>
 from antlr3.main import ParserMain
 main = ParserMain("<recognizer.grammar.name>Lexer", <recognizer.name>)<\n>
<endif>
<if(TREE_PARSER)>
 from antlr3.main import WalkerMain
 main = WalkerMain(<recognizer.name>)<\n>
<endif>
 main.stdin = stdin
 main.stdout = stdout
 main.stderr = stderr
 main.execute(argv)<\n>
<endif>

<actions.(actionScope).footer>

if __name__ == '__main__':
 main(sys.argv)

>>

lexer(grammar, name, tokens, scopes, rules, numRules, filterMode,
 labelType="CommonToken", superClass="Lexer") ::= <<
<if(grammar.directDelegates)>
path hack to allow absolute import of related grammars.
from os.path import dirname
__path__ = [dirname(__file__)]
del dirname

<grammar.directDelegates:
{g|from .<g.recognizerName> import <g.recognizerName>}; separator="\n">
<endif>

class <grammar.recognizerName>(<@superClassName><superClass><@end>):
 <scopes: {it|<if(it.isDynamicGlobalScope)><globalAttributeScope(scope=it)><endif>}>

 grammarFileName = "<fileName>"
 api_version = <apiVersion()>

 def __init__(self<grammar.delegators: {g|, <g:delegateName()>}>, input=None, state=None):

```

```

 if state is None:
 state = RecognizerSharedState()
 super().__init__(input, state)

<if(memoize)>
<if(grammar.grammarIsRoot)>
 self._state.ruleMemo = {}
<endif>
<endif>

 <grammar.directDelegates:
 {g|self.<g:delegateName()> = <g.recognizerName>(<trunc(g.delegators):{p|<p:delegateName()>, }>self, input,
state)}; separator="\n">
 <grammar.directDelegates:
 {g|<g.delegates:{h|self.<h:delegateName()> = self.<g:delegateName()>.<h:delegateName()>};
separator="\n">}; separator="\n">
 <grammar.delegators:
 {g|self.<g:delegateName()> = <g:delegateName()>}; separator="\n">
 <last(grammar.delegators):
 {g|self.gParent = <g:delegateName()>}; separator="\n">
 self.delegates = [<grammar.delegates: {g|self.<g:delegateName()>}; separator = ", ">]

 <cyclicDFAs:{ dfa | <cyclicDFAInit(dfa)>}; separator="\n">

 <actions.lexer.init>

 <actions.lexer.members>

<if(filterMode)>
 <filteringNextToken()>
<endif>
 <rules; separator="\n\n">

 <synpreds:{ p | <lexerSynpred(p)>}>

 <cyclicDFAs:cyclicDFA()> <! dump tables for all DFA !>

>>

/** A override of Lexer.nextToken() that backtracks over mTokens() looking
 * for matches. No error can be generated upon error; just rewind, consume
 * a token and then try again. backtracking needs to be set as well.
 * Make rule memoization happen only at levels above 1 as we start mTokens
 * at backtracking==1.
 */

```

```

filteringNextToken() ::= <<
def nextToken(self):
 while True:
 if self.input.LA(1) == EOF:
 return self.makeEOFToken()

 self._state.token = None
 self._state.channel = DEFAULT_CHANNEL
 self._state.tokenStartCharIndex = self.input.index()
 self._state.tokenStartCharPositionInLine = self.input.charPositionInLine
 self._state.tokenStartLine = self.input.line
 self._state._text = None
 try:
 m = self.input.mark()
 try:
 # means we won't throw slow exception
 self._state.backtracking = 1
 try:
 self.mTokens()
 finally:
 self._state.backtracking = 0

 except BacktrackingFailed:
 # mTokens backtracks with synpred at backtracking==2
 # and we set the synpredgate to allow actions at level 1.
 self.input.rewind(m)
 self.input.consume() # advance one char and try again

 else:
 self.emit()
 return self._state.token

 except RecognitionException as re:
 # shouldn't happen in backtracking mode, but...
 self.reportError(re)
 self.recover(re)

def memoize(self, input, ruleIndex, ruleStartIndex, success):
 if self._state.backtracking > 1:
 # is Lexer always superclass?
 super().memoize(input, ruleIndex, ruleStartIndex, success)

def alreadyParsedRule(self, input, ruleIndex):
 if self._state.backtracking > 1:
 return super().alreadyParsedRule(input, ruleIndex)
 return False

```

```

>>

actionGate() ::= "self._state.backtracking == 0"

filteringActionGate() ::= "self._state.backtracking == 1"

/** How to generate a parser */

genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
 bitsets, inputStreamType, superClass, labelType, members,
 rewriteElementType, filterMode, init, ASTLabelType="Object") ::= <<
token names
tokenNames = [
 "\<invalid>", "\<EOR>", "\<DOWN>", "\<UP>",
 <tokenNames; wrap, separator=", ">
]

<scopes:{it|<if(it.isDynamicGlobalScope)><globalAttributeScopeClass(scope=it)><endif>>>

<if(grammar.directDelegates)>
path hack to allow absolute import of related grammars.
from os.path import dirname
__path__ = [dirname(__file__)]
del dirname

<grammar.directDelegates:
{g|from .<g.recognizerName> import <g.recognizerName>; separator="\n">
<endif>

<rules:{it|<ruleAttributeScopeClass(scope=it.ruleDescriptor.ruleScope)>>>

class <grammar.recognizerName>(<@superClassName><superClass><@end>):
 grammarFileName = "<fileName>"
 api_version = <apiVersion()>
 tokenNames = tokenNames

 def __init__(self<grammar.delegates:{g|, <g.delegateName()>>, input, state=None, *args, **kwargs):
 if state is None:
 state = RecognizerSharedState()

 <@args()>
 super().__init__(input, state, *args, **kwargs)

<if(memoize)>
<if(grammar.grammarIsRoot)>
 self._state.ruleMemo = { }

```

```

<endif>
<endif>

<cyclicDFAs:{ dfa | <cyclicDFAInit(dfa)>}; separator="\n">

<scopes:{ it | <if(it.isDynamicGlobalScope)><globalAttributeScopeStack(scope=it)><endif>}>
<rules:{ it | <ruleAttributeScopeStack(scope=it.ruleDescriptor.ruleScope)>}>

<init>

<grammar.delegators:
 {g|self.<g.delegateName()> = <g.delegateName()>}; separator="\n">
<grammar.directDelegates:
 {g|self.<g.delegateName()> = <g.recognizerName><(trunc(g.delegators):{p|<p.delegateName()>, }>self, input,
state)}; separator="\n">
<grammar.directDelegates:
 {g|<g.delegates:{h|self.<h.delegateName()> = self.<g.delegateName()>.<h.delegateName()>};
separator="\n">}; separator="\n">
<last(grammar.delegators):
 {g|self.gParent = self.<g.delegateName()>}; separator="\n">
self.delegates = [<grammar.delegates: {g|self.<g.delegateName()>}; separator = ", ">]

<@init><@end>

<@members><@end>

<members>

<rules; separator="\n\n">

<! generate rule/method definitions for imported rules so they
 appear to be defined in this recognizer. !>
<grammar.delegatedRules:{ ruleDescriptor| <delegateRule(ruleDescriptor)> }; separator="\n">

<synpreds:{ p | <synpred(p)>}>

<cyclicDFAs:cyclicDFA()> <! dump tables for all DFA !>

<bitsets:{ it | FOLLOW_<it.name>_in_<it.inName><it.tokenIndex> = frozenset([<it.tokenTypes:{ it |
<it>};separator=", ">])<n>}>

>>

delegateRule(ruleDescriptor) ::= <<
def <ruleDescriptor.name>(self, <ruleDescriptor.parameterScope:parameterScope()>):
<\ > <if(ruleDescriptor.hasReturnValue)>return
<endif>self.<ruleDescriptor.grammar:delegateName()>.<ruleDescriptor.name><(if(ruleDescriptor.parameterScope)

```



```
><ruleDescriptor.parameterScope.attributes:{a|<a.name>}; separator=", "><endif>
```

```
>>
```

```
parser(grammar, name, scopes, tokens, tokenNames, rules, numRules, bitsets,
 ASTLabelType="Object", superClass="Parser", labelType="Token",
 members={<actions.parser.members>},
 init={<actions.parser.init>}
) ::= <<
```

```
<genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
 bitsets, "TokenStream", superClass,
 labelType, members, "Token",
 false, init, ASTLabelType)>
```

```
>>
```

```
/** How to generate a tree parser; same as parser except the input
```

```
* stream is a different type.
```

```
*/
```

```
treeParser(grammar, name, scopes, tokens, tokenNames, globalAction, rules,
 numRules, bitsets, filterMode, labelType={<ASTLabelType>}, ASTLabelType="Object",
 superClass={<if(filterMode)><if(buildAST)>TreeRewriter<else>TreeFilter<endif><else>TreeParser<endif>},
 members={<actions.treeparser.members>},
 init={<actions.treeparser.init>}
) ::= <<
```

```
<genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
 bitsets, "TreeNodeStream", superClass,
 labelType, members, "Node",
 filterMode, init, ASTLabelType)>
```

```
>>
```

```
/** A simpler version of a rule template that is specific to the imaginary
```

```
* rules created for syntactic predicates. As they never have return values
```

```
* nor parameters etc..., just give simplest possible method. Don't do
```

```
* any of the normal memoization stuff in here either; it's a waste.
```

```
* As predicates cannot be inlined into the invoking rule, they need to
```

```
* be in a rule by themselves.
```

```
*/
```

```
synpredRule(ruleName, ruleDescriptor, block, description, nakedBlock) ::=
```

```
<<
```

```
$ANTLR start "<ruleName>"
```

```
def <ruleName>_fragment(self, <ruleDescriptor.parameterScope:parameterScope()):
```

```
 <ruleLabelDefs(>
```

```
<if(trace)>
```

```
 self.traceIn("<ruleName>_fragment", <ruleDescriptor.index>)
```

```
 try:
```

```
 <block>
```

```

 finally:
 self.traceOut("<ruleName>_fragment", <ruleDescriptor.index>)

<else>
 <block>
<endif>
$ANTLR end "<ruleName>"

>>

synpred(name) ::= <<
def <name>(self):
 self._state.backtracking += 1
 <@start()>
 start = self.input.mark()
 try:
 self.<name>_fragment()
 except BacktrackingFailed:
 success = False
 else:
 success = True
 self.input.rewind(start)
 <@stop()>
 self._state.backtracking -= 1
 return success

>>

lexerSynpred(name) ::= <<
<synpred(name)>
>>

ruleMemoization(name) ::= <<
<if(memoize)>
if self._state.backtracking > 0 and self.alreadyParsedRule(self.input, <ruleDescriptor.index>):
 # for cached failed rules, alreadyParsedRule will raise an exception
 success = True
 return <ruleReturnValue()>

<endif>
>>

/** This rule has failed, exit indicating failure during backtrack */
ruleBacktrackFailure() ::= <<
<if(backtracking)>
if self._state.backtracking > 0:

```

```

 raise BacktrackingFailed

<endif>
>>

/** How to generate code for a rule. This includes any return type
 * data aggregates required for multiple return values.
 */
rule(ruleName,ruleDescriptor,block,emptyRule,description,exceptions,finally,memoize) ::= <<
<returnScope(scope=ruleDescriptor.returnScope)>

$ANTLR start "<ruleName>"
<fileName>:<description>
<ruleDescriptor.actions.decorate>
def <ruleName>(self, <ruleDescriptor.parameterScope:parameterScope()):
<if(trace)>
 self.traceIn("<ruleName>", <ruleDescriptor.index>)\n
<endif>
 <ruleScopeSetUp()>
 <ruleDeclarations()>
 <ruleLabelDefs()>
 <ruleDescriptor.actions.init>
 <@preamble()>
 <@body><ruleBody()><@end>
 <@postamble()>
 return <ruleReturnValue()>

$ANTLR end "<ruleName>"
>>

ruleBody() ::= <<
<if(memoize)>
<if(backtracking)>
success = False\n
<endif>
<endif>
try:
 try:
 <ruleMemoization(name=ruleName)>
 <block>
 <ruleCleanUp()>
 <(ruleDescriptor.actions.after):execAction()>

<if(memoize)>
<if(backtracking)>
 success = True\n
<endif>
<endif>

```

```

<if(exceptions)>
 <exceptions:{e|<catch(decl=e.decl,action=e.action)><\n}>>
<else>
<if(!emptyRule)>
<if(actions.(actionScope).rulecatch)>
 <actions.(actionScope).rulecatch>
<else>
 except RecognitionException as re:
 self.reportError(re)
 self.recover(self.input, re)
 <@setErrorReturnValue()>

<endif>
<else>
 finally:
 pass

<endif>
<endif>
finally:
<if(trace)>
 self.traceOut("<ruleName>", <ruleDescriptor.index>)<\n>
<endif>
 <memoize()>
 <ruleScopeCleanUp()>
 <finally>
 pass
>>

catch(decl,action) ::= <<
except <e.decl>:
 <e.action>

>>

ruleDeclarations() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
retval = self.<ruleDescriptor.name>_return()
retval.start = self.input.LT(1)<\n>
<elseif(ruleDescriptor.returnScope)>
<ruleDescriptor.returnScope.attributes:{ a |
<a.name> = <if(a.initValue)><a.initValue><else>None<endif>
}>
<endif>
<if(memoize)>
<ruleDescriptor.name>_startIndex = self.input.index()
<endif>
>>

```

```

ruleScopeSetUp() ::= <<
<ruleDescriptor.useScopes:{it | self.<it>_stack.append(<it>_scope()); separator="\n">
<ruleDescriptor.ruleScope:{it | self.<it.name>_stack.append(<it.name>_scope()); separator="\n">
>>

```

```

ruleScopeCleanUp() ::= <<
<ruleDescriptor.useScopes:{it | self.<it>_stack.pop(); separator="\n">
<ruleDescriptor.ruleScope:{it | self.<it.name>_stack.pop(); separator="\n">
>>

```

```

ruleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels,
ruleDescriptor.wildcardTreeLabels,ruleDescriptor.wildcardTreeListLabels]
: {it | <it.label.text> = None }; separator="\n"
>
<[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels,
ruleDescriptor.wildcardTreeListLabels]
: {it | list_<it.label.text> = None }; separator="\n"
>
<ruleDescriptor.ruleLabels:ruleLabelDef(); separator="\n">
<ruleDescriptor.ruleListLabels:{it | <it.label.text> = None }; separator="\n">
>>

```

```

lexerRuleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]
: {it | <it.label.text> = None }; separator="\n"
>
<ruleDescriptor.charLabels:{it | <it.label.text> = None }; separator="\n">
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels]
: {it | list_<it.label.text> = None }; separator="\n"
>
>>

```

```

ruleReturnValue() ::= <%
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasReturnValue)>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnName>
<else>
retval
<endif>
<endif>
<endif>
%>

```

```

ruleCleanup() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!TREE_PARSER)>
retval.stop = self.input.LT(-1)<\n>
<endif>
<endif>
>>

memoize() ::= <<
<if(memoize)>
<if(backtracking)>
if self._state.backtracking > 0:
 self.memoize(self.input, <ruleDescriptor.index>, <ruleDescriptor.name>_StartIndex, success)

<endif>
<endif>
>>

/** How to generate a rule in the lexer; naked blocks are used for
 * fragment rules.
 */
lexerRule(ruleName,nakedBlock,ruleDescriptor,block,memoize) ::= <<
$ANTLR start "<ruleName>"
def m<ruleName>(self, <ruleDescriptor.parameterScope:parameterScope(>>):
<if(trace)>
 self.traceIn("<ruleName>", <ruleDescriptor.index>)<\n>
<endif>
 <ruleScopeSetUp()>
 <ruleDeclarations()>
<if(memoize)>
<if(backtracking)>
 success = False<\n>
<endif>
<endif>
 try:
<if(nakedBlock)>
 <ruleMemoization(name=ruleName)>
 <lexerRuleLabelDefs()>
 <ruleDescriptor.actions.init>
 <block><\n>
<else>
 _type = <ruleName>
 _channel = DEFAULT_CHANNEL

 <ruleMemoization(name=ruleName)>
 <lexerRuleLabelDefs()>
 <ruleDescriptor.actions.init>

```

```

 <block>
 <ruleCleanUp()>
 self._state.type = _type
 self._state.channel = _channel
 <(ruleDescriptor.actions.after):execAction()>
<endif>
<if(memoize)>
<if(backtracking)>
 success = True<\n>
<endif>
<endif>

 finally:
<if(trace)>
 self.traceOut("<ruleName>", <ruleDescriptor.index>)<\n>
<endif>
 <ruleScopeCleanUp()>
 <memoize()>
 pass

$ANTLR end "<ruleName>"

>>

/** How to generate code for the implicitly-defined lexer grammar rule
 * that chooses between lexer rules.
 */
tokensRule(ruleName,nakedBlock,args,block,ruleDescriptor) ::= <<
def mTokens(self):
 <block><\n>

>>

// S U B R U L E S

/** A (...) subrule with multiple alternatives */
block(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
<fileName>:<description>
alt<decisionNumber> = <maxAlt>
<decls>
<@body><blockBody()><@end>
>>

blockBody() ::= <<
<@predecision()>
<@decision><decision><@end>

```

```

<@postdecision(>
<@prebranch(>
<alts:{ a | <altSwitchCase(i, a)> }; separator="\nel">
<@postbranch(>
>>

/** A rule block with multiple alternatives */
ruleBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
<fileName>:<description>
alt<decisionNumber> = <maxAlt>
<decls>
<@predecision(>
<@decision><decision><@end>
<@postdecision(>
<alts:{ a | <altSwitchCase(i, a)> }; separator="\nel">
>>

ruleBlockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
<fileName>:<description>
<decls>
<@prealt(>
<alts>
<@postalt(>
>>

/** A special case of a (...) subrule with a single alternative */
blockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
<fileName>:<description>
<decls>
<@prealt(>
<alts>
<@postalt(>
>>

/** A (..)+ block with 1 or more alternatives */
positiveClosureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
<fileName>:<description>
cnt<decisionNumber> = 0
<decls>
<@preloop(>
<@loopBody>
<positiveClosureBlockLoop(>
<@end>
<@postloop(>
>>

positiveClosureBlockLoop() ::= <<

```



```

while True: #loop<decisionNumber>
 alt<decisionNumber> = <maxAlt>
 <@predecision()>
 <@decisionBody><decision><@end>
 <@postdecision()>
 <alts:{a | <altSwitchCase(i, a)>}; separator="\nel">
 else:
 if cnt<decisionNumber> >= 1:
 break #loop<decisionNumber>

 <ruleBacktrackFailure()>
 eee = EarlyExitException(<decisionNumber>, self.input)
 <@earlyExitException()>
 raise eee

 cnt<decisionNumber> += 1
>>

positiveClosureBlockSingleAlt ::= positiveClosureBlock

/** A (..)* block with 1 or more alternatives */
closureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::=
<<
<fileName>:<description>
<decls>
<@preloop()>
<@loopBody>
<closureBlockLoop()>
<@end>
<@postloop()>
>>

closureBlockLoop() ::= <<
while True: #loop<decisionNumber>
 alt<decisionNumber> = <maxAlt>
 <@predecision()>
 <@decisionBody><decision><@end>
 <@postdecision()>
 <alts:{a | <altSwitchCase(i, a)>}; separator="\nel">
 else:
 break #loop<decisionNumber>
>>

closureBlockSingleAlt ::= closureBlock

/** Optional blocks (x)? are translated to (x|) by before code generation
* so we can just use the normal block template
*/

```

```
optionalBlock ::= block
```

```
optionalBlockSingleAlt ::= block
```

```
/** A case in a switch that jumps to an alternative given the alternative
 * number. A DFA predicts the alternative and then a simple switch
 * does the jump to the code that actually matches that alternative.
 */
```

```
altSwitchCase(altNum,alt) ::= <<
if alt<decisionNumber> == <altNum>:
 <@prealt()>
 <alt>
>>
```

```
/** An alternative is just a list of elements; at outermost level */
alt(elements,altNum,description,autoAST,outerAlt, treeLevel,rew) ::= <<
<fileName>:<description>
pass <! so empty alternatives are a valid block !>
<@declarations()>
<elements:element()>
<rew>
<@cleanup()>
>>
```

```
/** What to emit when there is no rewrite. For auto build
 * mode, does nothing.
 */
noRewrite(rewriteBlockLevel, treeLevel) ::= ""
```

```
// E L E M E N T S
```

```
/** Dump the elements one per line */
element(e) ::= <<
<@prematch()>
<e.el><\n>
>>
```

```
/** match a token optionally with a label in front */
tokenRef(token,label,elementIndex,terminalOptions={}) ::= <<
<if(label)><label> = <endif>self.match(self.input, <token>,
self.FOLLOW_<token>_in_<ruleName><elementIndex>
>>
```

```
/** ids+=ID */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRef(token,label,elementIndex,terminalOptions)>
<listLabel(label, label)>
>>
```

```

listLabel(label, elem) ::= <<
if list_<label> is None:
 list_<label> = []
list_<label>.append(<elem>)<\n>
>>

/** match a character */
charRef(char,label) ::= <<
<if(label)>
<label> = self.input.LA(1)<\n>
<endif>
self.match(<char>)
>>

/** match a character range */
charRangeRef(a,b,label) ::= <<
<if(label)>
<label> = self.input.LA(1)<\n>
<endif>
self.matchRange(<a>,)
>>

/** For now, sets are interval tests and must be tested inline */
matchSet(s,label,elementIndex,postmatchCode="",terminalOptions={ }) ::= <<
<if(label)>
<label> = self.input.LT(1)<\n>
<endif>
if <s>:
 self.input.consume()
 <postmatchCode>
<if(!LEXER)>
 self._state.errorRecovery = False<\n>
<endif>

else:
 <ruleBacktrackFailure()>
 mse = MismatchedSetException(None, self.input)
 <@mismatchedSetException()>
<if(LEXER)>
 self.recover(mse)
 raise mse
<else>
 raise mse
<! use following code to make it recover inline; remove throw mse;
self.recoverFromMismatchedSet(
 self.input, mse, self.FOLLOW_set_in_<ruleName><elementIndex>
)

```

```

!>
<endif>
<\n>
>>

matchRuleBlockSet ::= matchSet

matchSetAndListLabel(s,label,elementIndex,postmatchCode) ::= <<
<matchSet(...)>
<listLabel(label, label)>
>>

/** Match a string literal */
lexerStringRef(string,label,elementIndex="0") ::= <<
<if(label)>
<label>Start = self.getCharIndex()
self.match(<string>)
<label>StartLine<elementIndex> = self.getLine()
<label>StartCharPos<elementIndex> = self.getCharPositionInLine()
<label> = <labelType>(input=self.input, type=INVALID_TOKEN_TYPE, channel=DEFAULT_CHANNEL,
start=<label>Start, stop=self.getCharIndex()-1)
<label>.line = <label>StartLine<elementIndex>
<label>.charPositionInLine = <label>StartCharPos<elementIndex>
<else>
self.match(<string>)
<endif>
>>

wildcard(token,label,elementIndex,terminalOptions={ }) ::= <<
<if(label)>
<label> = self.input.LT(1)<\n>
<endif>
self.matchAny()
>>

wildcardAndListLabel(token,label,elementIndex,terminalOptions={ }) ::= <<
<wildcard(...)>
<listLabel(label,label)>
>>

/** Match . wildcard in lexer */
wildcardChar(label, elementIndex) ::= <<
<if(label)>
<label> = self.input.LA(1)<\n>
<endif>
self.matchAny()
>>

```

```

wildcardCharListLabel(label, elementIndex) ::= <<
<wildcardChar(label, elementIndex)>
<listLabel(label, label)>
>>

/** Match a rule reference by invoking it possibly with arguments
 * and a return value or values. The 'rule' argument was the
 * target rule name, but now is type Rule, whose toString is
 * same: the rule name. Now though you can access full rule
 * descriptor stuff.
 */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
self._state.following.append(self.FOLLOW_<rule.name>_in_<ruleName><elementIndex>)
<if(label)><label> = <endif>self.<if(scope)><scope:delegateName()>.<endif><rule.name><(args; separator=",
"><\n>
self._state.following.pop()
>>

/** ids+=rule */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(rule,label,elementIndex,args,scope)>
<listLabel(label, label)>
>>

/** A lexer rule reference
 * The 'rule' argument was the target rule name, but now
 * is type Rule, whose toString is same: the rule name.
 * Now though you can access full rule descriptor stuff.
 */
lexerRuleRef(rule,label,args,elementIndex,scope) ::= <<
<if(label)>
<label>Start<elementIndex> = self.getCharIndex()
self.<if(scope)><scope:delegateName()>.<endif>m<rule.name><(args; separator=", ">)
<label>StartLine<elementIndex> = self.getLine()
<label>StartCharPos<elementIndex> = self.getCharPositionInLine()
<label> = <labelType>(
 input=self.input,
 type=INVALID_TOKEN_TYPE,
 channel=DEFAULT_CHANNEL,
 start=<label>Start<elementIndex>,
 stop=self.getCharIndex()-1)
<label>.line = <label>StartLine<elementIndex>
<label>.charPositionInLine = <label>StartCharPos<elementIndex>
<else>
self.<if(scope)><scope:delegateName()>.<endif>m<rule.name><(args; separator=", ">)
<endif>
>>

```

```

/** i+=INT in lexer */
lexerRuleRefAndListLabel(rule,label,args,elementIndex,scope) ::= <<
<lexerRuleRef(rule,label,args,elementIndex,scope)>
<listLabel(label, label)>
>>

/** EOF in the lexer */
lexerMatchEOF(label,elementIndex) ::= <<
<if(label)>
<label>Start<elementIndex> = self.getCharIndex()
<label>StartLine<elementIndex> = self.getLine()
<label>StartCharPos<elementIndex> = self.getCharPositionInLine()
self.match(EOF)
<label> = <labelType>(input=self.input, type=EOF, channel=DEFAULT_CHANNEL,
start=<label>Start<elementIndex>, stop=self.getCharIndex()-1)
<label>.line = <label>StartLine<elementIndex>
<label>.charPositionInLine = <label>StartCharPos<elementIndex>
<else>
self.match(EOF)
<endif>
>>

// used for left-recursive rules
recRuleDefArg() ::= "<recRuleArg()>"
recRuleArg() ::= "_p"
recRuleAltPredicate(ruleName, opPrec) ::= "<recRuleArg()> \<= <opPrec>"
recRuleSetResultAction() ::= "root_0 = $<ruleName>_primary.tree"
recRuleSetReturnAction(src, name) ::= "$<name> = $<src>.<name>"

/** match ^(root children) in tree parser */
tree(root, actionsAfterRoot, children, nullableChildList,
enclosingTreeLevel, treeLevel) ::= <<
<root:element()>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if self.input.LA(1) == DOWN:
self.match(self.input, DOWN, None)
<children:element()>
self.match(self.input, UP, None)

<else>
self.match(self.input, DOWN, None)
<children:element()>
self.match(self.input, UP, None)
<endif>
>>

/** Every predicate is used as a validating predicate (even when it is

```

```

* also hoisted into a prediction expression).
*/
validateSemanticPredicate(pred,description) ::= <<
if not (<evalPredicate(pred, description)>):
 <ruleBacktrackFailure()>
 raise FailedPredicateException(self.input, "<ruleName>", "<description>")

>>

// F i x e d D F A (if-then-else)

dfaState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
LA<decisionNumber>_<stateNumber> = self.input.LA(<k>)<\n>
<edges; separator="\n" >
else:
<if(eotPredictsAlt)>
 alt<decisionNumber> = <eotPredictsAlt>
<else>
 <ruleBacktrackFailure()>
 nvae = NoViableAltException("<description>", <decisionNumber>, <stateNumber>, self.input)<\n>
 <@noViableAltException()>
 raise nvae<\n>
<endif>
>>

/** Same as a normal DFA state except that we don't examine lookahead
* for the bypass alternative. It delays error detection but this
* is faster, smaller, and more what people expect. For (X)? people
* expect "if (LA(1)==X) match(X);" and that's it.
*/
dfaOptionalBlockState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
LA<decisionNumber>_<stateNumber> = self.input.LA(<k>)<\n>
<edges; separator="\n" >
>>

/** A DFA state that is actually the loopback decision of a closure
* loop. If end-of-token (EOT) predicts any of the targets then it
* should act like a default clause (i.e., no error can be generated).
* This is used only in the lexer so that for ('a')* on the end of a rule
* anything other than 'a' predicts exiting.
*/
dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
LA<decisionNumber>_<stateNumber> = self.input.LA(<k>)<\n>
<edges; separator="\n"><\n>
<if(eotPredictsAlt)>
<if(!edges)>
alt<decisionNumber> = <eotPredictsAlt> <! if no edges, don't gen ELSE !>
<else>

```

```

else:
 alt<decisionNumber> = <eotPredictsAlt>
<\n>
<endif>
<endif>
>>

/** An accept state indicates a unique alternative has been predicted */
dfaAcceptState(alt) ::= "alt<decisionNumber> = <alt>"

/** A simple edge with an expression. If the expression is satisfied,
 * enter to the target state. To handle gated productions, we may
 * have to evaluate some predicates for this edge.
 */
dfaEdge(labelExpr, targetState, predicates) ::= <<
if (<labelExpr>) <if(predicates)>and (<predicates>)<endif>:
 <targetState>
>>

// F i x e d D F A (switch case)

/** A DFA state where a SWITCH may be generated. The code generator
 * decides if this is possible: CodeGenerator.canGenerateSwitch().
 */
dfaStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
<!
 FIXME: this is one of the few occasion, where I miss a switch statement
 in Python. ATM this is implemented as a list of if .. elif ..
 This may be replaced by faster a dictionary lookup, when I find a solution
 for the cases when an edge is not a plain dfaAcceptState.
!>
LA<decisionNumber> = self.input.LA(<k>)
<edges; separator="\n">
else:
<if(eotPredictsAlt)>
 alt<decisionNumber> = <eotPredictsAlt>
<else>
 <ruleBacktrackFailure()>
 nvae = NoViableAltException("<description>", <decisionNumber>, <stateNumber>, self.input)<\n>
 <@noViableAltException()>
 raise nvae<\n>
<endif>

>>

dfaOptionalBlockStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
LA<decisionNumber> = self.input.LA(<k>)
<edges; separator="\n">

```



```

>>

dfaLoopbackStateSwitch(k, edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
LA<decisionNumber> = self.input.LA(<k>)
<edges; separator="\n">
<if(eotPredictsAlt)>
else:
 alt<decisionNumber> = <eotPredictsAlt>
<endif>
>>

dfaEdgeSwitch(labels, targetState) ::= <<
if LA<decisionNumber> in {<labels; separator=",">}:
 <targetState>
>>

// C y c l i c D F A

/** The code to initiate execution of a cyclic DFA; this is used
 * in the rule to predict an alt just like the fixed DFA case.
 * The <name> attribute is inherited via the parser, lexer, ...
 */
dfaDecision(decisionNumber,description) ::= <<
alt<decisionNumber> = self.dfa<decisionNumber>.predict(self.input)
>>

/* Dump DFA tables as run-length-encoded Strings of octal values.
 * Can't use hex as compiler translates them before compilation.
 * These strings are split into multiple, concatenated strings.
 * Java puts them back together at compile time thankfully.
 * Java cannot handle large static arrays, so we're stuck with this
 * encode/decode approach. See analysis and runtime DFA for
 * the encoding methods.
 */
cyclicDFA(dfa) ::= <<
lookup tables for DFA #<dfa.decisionNumber>

DFA<dfa.decisionNumber>_eot = DFA.unpack(
 "<dfa.javaCompressedEOT; wrap="\n \>"
)

DFA<dfa.decisionNumber>_eof = DFA.unpack(
 "<dfa.javaCompressedEOF; wrap="\n \>"
)

DFA<dfa.decisionNumber>_min = DFA.unpack(
 "<dfa.javaCompressedMin; wrap="\n \>"
)

```

```

DFA<dfa.decisionNumber>_max = DFA.unpack(
 "<dfa.javaCompressedMax; wrap=\"\\n \\\">"
)

DFA<dfa.decisionNumber>_accept = DFA.unpack(
 "<dfa.javaCompressedAccept; wrap=\"\\n \\\">"
)

DFA<dfa.decisionNumber>_special = DFA.unpack(
 "<dfa.javaCompressedSpecial; wrap=\"\\n \\\">"
)

DFA<dfa.decisionNumber>_transition = [
 <dfa.javaCompressedTransition:{s|DFA.unpack("<s; wrap=\"\\n\\\">"); separator=",\n">
]

class definition for DFA #<dfa.decisionNumber>

class DFA<dfa.decisionNumber>(DFA):
 pass

 <@errorMethod()>

 <if(dfa.specialStateSTs)>
 def specialStateTransition(self_, s, input):
 # convince pylint that my self_ magic is ok ;
 # pylint: disable-msg=E0213

 # pretend we are a member of the recognizer
 # thus semantic predicates can be evaluated
 self = self_.recognizer

 _s = s

 <dfa.specialStateSTs:{state | if s == <i0>: <! compressed special state numbers 0..n-1 !>
 <state>}; separator="\n!>

 <if(backtracking)>
 if self._state.backtracking > 0:
 raise BacktrackingFailed

 <endif>
 nvae = NoViableAltException(self_.getDescription(), <dfa.decisionNumber>, _s, input)
 self_.error(nvae)
 raise nvae<\n>
 <endif>

```

```
>>
```

```
cyclicDFAInit(dfa) ::= <<
self.dfa<dfa.decisionNumber> = self.DFA<dfa.decisionNumber>(
 self, <dfa.decisionNumber>,
 eot = self.DFA<dfa.decisionNumber>_eot,
 eof = self.DFA<dfa.decisionNumber>_eof,
 min = self.DFA<dfa.decisionNumber>_min,
 max = self.DFA<dfa.decisionNumber>_max,
 accept = self.DFA<dfa.decisionNumber>_accept,
 special = self.DFA<dfa.decisionNumber>_special,
 transition = self.DFA<dfa.decisionNumber>_transition
)<\n>
>>
```

```
/** A state in a cyclic DFA; it's a special state and part of a big switch on
 * state.
 */
cyclicDFAState(decisionNumber,stateNumber,edges,needErrorClause,semPredState) ::= <<
LA<decisionNumber>_<stateNumber> = input.LA(1)<\n>
<if(semPredState)> <! get next lookahead symbol to test edges, then rewind !>
index<decisionNumber>_<stateNumber> = input.index()
input.rewind()<\n>
<endif>
s = -1
<edges; separator="\n!">
<if(semPredState)> <! return input cursor to state before we rewound !>
input.seek(index<decisionNumber>_<stateNumber>)<\n>
<endif>
if s >= 0:
 return s
>>
```

```
/** Just like a fixed DFA edge, test the lookahead and indicate what
 * state to jump to next if successful.
 */
cyclicDFAEdge(labelExpr, targetStateNumber, edgeNumber, predicates) ::= <<
if (<labelExpr>><if(predicates)> and (<predicates>)<endif>:
 s = <targetStateNumber><\n>
>>
```

```
/** An edge pointing at end-of-token; essentially matches any char;
 * always jump to the target.
 */
eotDFAEdge(targetStateNumber,edgeNumber, predicates) ::= <<
se:
 s = <targetStateNumber><\n>
```

>>

## // D F A E X P R E S S I O N S

andPredicates(left,right) ::= "((<left>) and (<right>))"

orPredicates(operands) ::= "<operands; separator=\" or \">"

notPredicate(pred) ::= "not (<evalPredicate(pred, { })>)"

evalPredicate(pred,description) ::= "<pred>"

evalSynPredicate(pred,description) ::= "self.<pred>()"

lookaheadTest(atom,k,atomAsInt) ::= "LA<decisionNumber>\_<stateNumber> == <atom>"

/\*\* Sometimes a lookahead test cannot assume that LA(k) is in a temp variable

\* somewhere. Must ask for the lookahead directly.

\*/

isolatedLookaheadTest(atom,k,atomAsInt) ::= "self.input.LA(<k>) == <atom>"

lookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= <%

<lower> \<= LA<decisionNumber>\_<stateNumber> \<= <upper>

%>

isolatedLookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= "<lower> \<= self.input.LA(<k>) \<= <upper>)"

lookaheadSetTest(values,k,valuesAsInt) ::= <%

LA<decisionNumber>\_<stateNumber> in {<values; separator=" ">}

%>

isolatedLookaheadSetTest(values,k,valuesAsInt) ::= <%

self.input.LA(<k>) in {<values; separator=" ">}

%>

lookaheadVarName(k) ::= "LA<decisionNumber>\_<stateNumber>"

isolatedLookaheadVarName(k) ::= "self.input.LA(<k>)"

setTest(ranges) ::= "<ranges; separator=\" or \">"

## // A T T R I B U T E S

globalAttributeScopeClass(scope) ::= <<

<if(scope)>

<if(scope.attributes)>

class <scope.name>\_scope(object):

```

def __init__(self):
 <scope.attributes:{it | self.<it.decl> = None}; separator="\n">

<endif>
<endif>
>>

globalAttributeScopeStack(scope) ::= <<
<if(scope)>
<if(scope.attributes)>
self.<scope.name>_stack = []<\n>
<endif>
<endif>
>>

ruleAttributeScopeClass(scope) ::= <<
<if(scope)>
<if(scope.attributes)>
class <scope.name>_scope(object):
 def __init__(self):
 <scope.attributes:{it | self.<it.decl> = None}; separator="\n">

<endif>
<endif>
>>

ruleAttributeScopeStack(scope) ::= <<
<if(scope)>
<if(scope.attributes)>
self.<scope.name>_stack = []<\n>
<endif>
<endif>
>>

delegateName(d) ::= <<
<if(d.label)><d.label><else>g<d.name><endif>
>>

/** Define a rule label including default value */
ruleLabelDef(label) ::= <<
<label.label.text> = None
>>

returnStructName(r) ::= "<r.name>_return"

/** Define a return struct for a rule if the code needs to access its
* start/stop tokens, tree stuff, attributes, ... Leave a hole for
* subgroups to stick in members.

```

```

*/
returnScope(scope) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
class <ruleDescriptor:returnStructName()>(<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope):
 def __init__(self):
 super().__init__()

 <if(scope)><scope.attributes:{it | self.<it.decl> = None }; separator="\n"><endif>
 <@ruleReturnInit()>

 <@ruleReturnMembers()>

<endif>
>>

parameterScope(scope) ::= <<
<if(scope)><scope.attributes:{it | <it.decl> }; separator=", "><endif>
>>

parameterAttributeRef(attr) ::= "<attr.name>"
parameterSetAttributeRef(attr,expr) ::= "<attr.name> = <expr>"

scopeAttributeRef(scope,attr,index,negIndex) ::= <%
<if(negIndex)>
self.<scope>_stack[-<negIndex>].<attr.name>
<else>
<if(index)>
self.<scope>_stack[<index>].<attr.name>
<else>
self.<scope>_stack[-1].<attr.name>
<endif>
<endif>
%>

/* not applying patch because of bug in action parser!

<if(negIndex)>
((len(self.<scope>_stack) - <negIndex> - 1) >= 0 and [self.<scope>_stack[-<negIndex>].<attr.name>] or [None])[0]
<else>
<if(index)>
((<index> < len(self.<scope>_stack)) and [self.<scope>_stack[<index>].<attr.name>] or [None])[0]
<else>
((len(self.<scope>_stack) > 0) and [self.<scope>_stack[-1].<attr.name>] or [None])[0]
<endif>
<endif>

*/

```

```

scopeSetAttributeRef(scope,attr,expr,index,negIndex) ::= <%
<if(negIndex)>
<!FIXME: this seems not to be used by ActionTranslator...!>
self.<scope>_stack[-<negIndex>].<attr.name> = <expr>
<else>
<if(index)>
<!FIXME: this seems not to be used by ActionTranslator...!>
self.<scope>_stack[<index>].<attr.name> = <expr>
<else>
self.<scope>_stack[-1].<attr.name> = <expr>
<endif>
<endif>
%>

/** $x is either global scope or x is rule with dynamic scope; refers
 * to stack itself not top of stack. This is useful for predicates
 * like { $function.size()>0 && $function::name.equals("foo") }?
 */
isolatedDynamicScopeRef(scope) ::= "self.<scope>_stack"

/** reference an attribute of rule; might only have single return value */
ruleLabelRef(referencedRule,scope,attr) ::= <%
<if(referencedRule.hasMultipleReturnValues)>
((<scope> is not None) and [<scope>.<attr.name>] or [None])[0]
<else>
<scope>
<endif>
%>

returnAttributeRef(ruleDescriptor,attr) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name>
<else>
<attr.name>
<endif>
%>

returnSetAttributeRef(ruleDescriptor,attr,expr) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name> = <expr>
<else>
<attr.name> = <expr>
<endif>
%>

/** How to translate $tokenLabel */
tokenLabelRef(label) ::= "<label>"

```

```

/** ids+=ID {$ids} or e+=expr {$e} */
listLabelRef(label) ::= "list_<label>"

// not sure the next are the right approach; and they are evaluated early;
// they cannot see TREE_PARSER or PARSER attributes for example. :(

tokenLabelPropertyRef_text(scope,attr) ::= "<scope>.text"
tokenLabelPropertyRef_type(scope,attr) ::= "<scope>.type"
tokenLabelPropertyRef_line(scope,attr) ::= "<scope>.line"
tokenLabelPropertyRef_pos(scope,attr) ::= "<scope>.charPositionInLine"
tokenLabelPropertyRef_channel(scope,attr) ::= "<scope>.channel"
tokenLabelPropertyRef_index(scope,attr) ::= "<scope>.index"
tokenLabelPropertyRef_tree(scope,attr) ::= "<scope>_tree"

ruleLabelPropertyRef_start(scope,attr) ::= "<scope>.start"
ruleLabelPropertyRef_stop(scope,attr) ::= "<scope>.stop"
ruleLabelPropertyRef_tree(scope,attr) ::= "<scope>.tree"
ruleLabelPropertyRef_text(scope,attr) ::= <%
<if(TREE_PARSER)>
((<scope> is not None) and [self.input.getTokenStream().toString(
 self.input.getTreeAdaptor().getTokenStartIndex(<scope>.start),
 self.input.getTreeAdaptor().getTokenStopIndex(<scope>.start)
)] or [None])[0]
<else>
((<scope> is not None) and [self.input.toString(<scope>.start,<scope>.stop)] or [None])[0]
<endif>
%>
ruleLabelPropertyRef_st(scope,attr) ::= "((<scope> is not None) and [<scope>.st] or [None])[0]"

/** Isolated $RULE ref ok in lexer as it's a Token */
lexerRuleLabel(label) ::= "<label>"

lexerRuleLabelPropertyRef_type(scope,attr) ::= "((<scope> is not None) and [<scope>.type] or [0])[0]"
lexerRuleLabelPropertyRef_line(scope,attr) ::= "((<scope> is not None) and [<scope>.line] or [0])[0]"
lexerRuleLabelPropertyRef_pos(scope,attr) ::= "((<scope> is not None) and [<scope>.charPositionInLine] or [0])[0]"
lexerRuleLabelPropertyRef_channel(scope,attr) ::= "((<scope> is not None) and [<scope>.channel] or [0])[0]"
lexerRuleLabelPropertyRef_index(scope,attr) ::= "((<scope> is not None) and [<scope>.index] or [0])[0]"
lexerRuleLabelPropertyRef_text(scope,attr) ::= "((<scope> is not None) and [<scope>.text] or [None])[0]"
lexerRuleLabelPropertyRef_int(scope,attr) ::= "((<scope> is not None) and [int(<scope>.text)] or [0])[0]"

// Somebody may ref $template or $tree or $stop within a rule:
rulePropertyRef_start(scope,attr) ::= "retval.start"
rulePropertyRef_stop(scope,attr) ::= "retval.stop" //mmm... or input.LT(-1)??
rulePropertyRef_tree(scope,attr) ::= "retval.tree"
rulePropertyRef_text(scope,attr) ::= "self.input.toString(retval.start, self.input.LT(-1))"

```



```

rulePropertyRef_st(scope,attr) ::= "retval.st"

lexerRulePropertyRef_text(scope,attr) ::= "self.text"
lexerRulePropertyRef_type(scope,attr) ::= "_type"
lexerRulePropertyRef_line(scope,attr) ::= "self._state.tokenStartLine"
lexerRulePropertyRef_pos(scope,attr) ::= "self._state.tokenStartCharPositionInLine"
lexerRulePropertyRef_index(scope,attr) ::= "-1" // undefined token index in lexer
lexerRulePropertyRef_channel(scope,attr) ::= "_channel"
lexerRulePropertyRef_start(scope,attr) ::= "self._state.tokenStartCharIndex"
lexerRulePropertyRef_stop(scope,attr) ::= "(self.getCharIndex()-1)"
lexerRulePropertyRef_int(scope,attr) ::= "int(<scope>.text)"

// setting $st and $tree is allowed in local rule. everything else
// is flagged as error
ruleSetPropertyRef_tree(scope,attr,expr) ::= "retval.tree =<expr>"
ruleSetPropertyRef_st(scope,attr,expr) ::= "retval.st =<expr>"

/** How to execute an action (only when not backtracking) */
execAction(action) ::= <<
<if(backtracking)>
<if(actions.(actionScope).synpredgate)>
if <actions.(actionScope).synpredgate>:
 pass
 <action>

<else>
if <actions.(actionScope).synpredgate>:
 pass
 <action>

<endif>
<else>
#action start
<action>
#action end
<endif>
>>

/** How to always execute an action even when backtracking */
execForcedAction(action) ::= "<action>"

// M I S C (properties, etc...)

codeFileExtension() ::= ".py"

true_value() ::= "True"

```

false\_value() ::= "False"

Found in path(s):

\* /opt/cola/permits/1274703855\_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/templates/Python3/Python3.stg

No license file was found, but licenses were detected in source scan.

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\*/

/\*\* Templates for building ASTs during normal parsing.

\*

\* Deal with many combinations. Dimensions are:

\* Auto build or rewrite

\* no label, label, list label (label/no-label handled together)

\* child, root

\* token, set, rule, wildcard

\*

\* The situation is not too bad as rewrite (->) usage makes ^ and !

```

* invalid. There is no huge explosion of combinations.
*/

@rule.setErrorReturnValue() ::= <<
retval.Tree = (<ASTLabelType>)adaptor.ErrorNode(input, retval.Start, input.LT(-1), re);
<! System.out.WriteLine("<ruleName> returns "+((CommonTree)retval.tree).toStringTree()); !>
>>

// TOKEN AST STUFF

/** ID and output=AST */
tokenRef(token,label,elementIndex,terminalOptions={}) ::= <%
<super.tokenRef(...)>
<if(!ruleDescriptor.isSynPred)>
<if(backtracking)><\n>if (state.backtracking == 0) {<endif>
<\n><label>_tree = <createNodeFromToken(...)>;
<\n>adaptor.AddChild(root_0, <label>_tree);
<if(backtracking)><\n><endif>
<endif>
%>

/** ID! and output=AST (same as plain tokenRef) */
tokenRefBang(token,label,elementIndex,terminalOptions={}) ::= "<super.tokenRef(...)>"

/** ID^ and output=AST */
tokenRefRuleRoot(token,label,elementIndex,terminalOptions={}) ::= <%
<super.tokenRef(...)>
<if(!ruleDescriptor.isSynPred)>
<if(backtracking)><\n>if (<actions.(actionScope).synpredgate>) {<endif>
<\n><label>_tree = <createNodeFromToken(...)>;
<\n>root_0 = (<ASTLabelType>)adaptor.BecomeRoot(<label>_tree, root_0);
<if(backtracking)><\n><endif>
<endif>
%>

/** ids+=ID! and output=AST */
tokenRefBangAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRefBang(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/** label+=TOKEN when output=AST but not rewrite alt */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRef(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/** Match label+=TOKEN^ when output=AST but not rewrite alt */

```

```

tokenRefRuleRootAndListLabel(token,label,elementIndex,terminalOptions={ }) ::= <<
<tokenRefRuleRoot(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

// SET AST

// the match set stuff is interesting in that it uses an argument list
// to pass code to the default matchSet; another possible way to alter
// inherited code. I don't use the region stuff because I need to pass
// different chunks depending on the operator. I don't like making
// the template name have the operator as the number of templates gets
// large but this is the most flexible--this is as opposed to having
// the code generator call matchSet then add root code or ruleroot code
// plus list label plus ... The combinations might require complicated
// rather than just added on code. Investigate that refactoring when
// I have more time.

matchSet(s,label,elementIndex,postmatchCode,terminalOptions={ }) ::= <<
<super.matchSet(postmatchCode={ <if(!ruleDescriptor.isSynPred)><if(backtracking)>if
(<actions.(actionScope).synpredgate>) <endif>adaptor.AddChild(root_0, <createNodeFromToken(...)>);<endif>},
...)>
>>

matchRuleBlockSet(s,label,elementIndex,postmatchCode,treeLevel="0",terminalOptions={ }) ::= <<
<matchSet(...)>
>>

matchSetBang(s,label,elementIndex,postmatchCode,terminalOptions={ }) ::= "<super.matchSet(...)>"

// note there is no matchSetTrack because -> rewrites force sets to be
// plain old blocks of alts: (A|B|...|C)

matchSetRuleRoot(s,label,elementIndex,debug,terminalOptions={ }) ::= <<
<if(label)>
<label>=(<labelType>)input.LT(1);
<endif>
<super.matchSet(postmatchCode={ <if(!ruleDescriptor.isSynPred)><if(backtracking)>if
(<actions.(actionScope).synpredgate>) <endif>root_0 =
(<ASTLabelType>)adaptor.BecomeRoot(<createNodeFromToken(...)>, root_0);<endif>}, ...)>
>>

// RULE REF AST

/** rule when output=AST */
ruleRef(rule,label,elementIndex,args,scope) ::= <%
<super.ruleRef(...)>
<if(!ruleDescriptor.isSynPred)>

```

```

<\n><if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>adaptor.AddChild(root_0, <label>.Tree);
<endif>
%>

/** rule! is same as normal rule ref */
ruleRefBang(rule,label,elementIndex,args,scope) ::= "<super.ruleRef(...)>"

/** rule^ */
ruleRefRuleRoot(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>root_0 =
(<ASTLabelType>)adaptor.BecomeRoot(<label>.Tree, root_0);
>>

/** x+=rule when output=AST */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabelElem(elem={<label>.Tree},elemType=ASTLabelType,...)>
>>

/** x+=rule! when output=AST is a rule ref with list addition */
ruleRefBangAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefBang(...)>
<listLabelElem(elem={<label>.Tree},elemType=ASTLabelType,...)>
>>

/** x+=rule^ */
ruleRefRuleRootAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<listLabelElem(elem={<label>.Tree},elemType=ASTLabelType,...)>
>>

// WILDCARD AST

wildcard(token,label,elementIndex,terminalOptions={ }) ::= <<
<super.wildcard(...)>
<if(!ruleDescriptor.isSynPred)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<label>_tree = (<ASTLabelType>)adaptor.Create(<label>);
adaptor.AddChild(root_0, <label>_tree);
<if(backtracking)>}<endif>
<endif>
>>

wildcardBang(label,elementIndex) ::= "<super.wildcard(token=[],...)>"

wildcardRuleRoot(token,label,elementIndex,terminalOptions={ }) ::= <<
<super.wildcard(...)>

```

```

<if(!ruleDescriptor.isSynPred)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
<label>_tree = (<ASTLabelType>)adaptor.Create(<label>);
root_0 = (<ASTLabelType>)adaptor.BecomeRoot(<label>_tree, root_0);
<if(backtracking)>}<endif>
<endif>
>>

createNodeFromToken(label,terminalOptions={ }) ::= <%
<if(terminalOptions.node)>
new
<terminalOptions.node><(if(terminalOptions.type)><terminalOptions.type>,<endif><label><(if(terminalOptions.text)>,<terminalOptions.text; format="string"><endif>)
<else>
(<ASTLabelType>)adaptor.Create(<(if(terminalOptions.type)><terminalOptions.type>,<endif><label><(if(terminalOptions.text)>,<terminalOptions.text; format="string"><endif>)
<endif>
%>

ruleCleanUp() ::= <<
<super.ruleCleanUp()>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) {<endif>
retval.Tree = (<ASTLabelType>)adaptor.RulePostProcessing(root_0);
adaptor.SetTokenBoundaries(retval.Tree, retval.Start, retval.Stop);
<if(backtracking)>}<endif>
>>

```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/CSharp3/ASTParser.stg
```

No license file was found, but licenses were detected in source scan.

```
/*
```

```
[The "BSD license"]
```

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\*/

/\*

\* This code generating template and the associated C runtime was produced by:

\* Jim Idle jim|hereisanat|idle|dotgoeshere|ws.

\* If it causes the destruction of the Universe, it will be pretty cool so long as

\* I am in a different one at the time.

\*/

cTypeInitMap ::= [

"int" : "0", // Integers start out being 0

"long" : "0", // Longs start out being 0

"float" : "0.0", // Floats start out being 0

"double" : "0.0", // Doubles start out being 0

"ANTLR3\_BOOLEAN" : "ANTLR3\_FALSE", // Booleans start out being Antlr C for false

"byte" : "0", // Bytes start out being 0

"short" : "0", // Shorts start out being 0

"char" : "0" // Chars start out being 0

]

leadIn(type) ::=

<<

/\*\* \file

\* This <type> file was generated by \$ANTLR version <ANTLRVersion>

\*

\* - From the grammar source file : <fileName>

\* - On : <generatedTimestamp>

<if(LEXER)>

\* - for the lexer : <name>Lexer

<endif>

<if(PARSER)>

\* - for the parser : <name>Parser

<endif>

<if(TREE\_PARSER)>

\* - for the tree parser : <name>TreeParser

<endif>

```
*
* Editing it, at least manually, is not wise.
*
* C language generator and runtime by Jim Idle, jimi|hereisanat|idle|dotgoeshere|ws.
*
*
>>
```

```
/** The overall file structure of a recognizer; stores methods for rules
* and cyclic DFAs plus support code.
*/
```

```
outputFile(LEXER,
 PARSEr,
 TREE_PARSEr,
 actionScope,
 actions,
 docComment,
 recognizer,
 name,
 tokens,
 tokenNames,
 rules,
 cyclicDFAs,
 bitsets,
 buildTemplate,
 buildAST,
 rewriteMode,
 profile,
 backtracking,
 synpreds,
 memoize,
 numRules,
 fileName,
 ANTLRVersion,
 generatedTimestamp,
 trace,
 scopes,
 superClass,
 literals
) ::=
```

```
<<
```

```
<leadIn("C source")>
```

```
*/
```

```
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```

```
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```

```
// http://www.temporal-wave.com
```

```
// http://www.linkedin.com/in/jimidle
```

```
//
```



```

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```

```
<if(actions.(actionScope).header)>
```

```

/* =====
* This is what the grammar programmer asked us to put at the top of every file.
*/

```

```
<actions.(actionScope).header>
```

```
/* End of Header action.
```

```

* =====
*/

```

```
<endif>
```

```

/* -----
* Include the ANTLR3 generated header file.
*/

```

```
#include "<name>.h"
```

```
<actions.(actionScope).postinclude>
```

```
/* ----- */
```

```
<docComment>
```

```
<if(literals)>
```

```
/** String literals used by <name> that we must do things like MATCHS() with.
```

```
* C will normally just lay down 8 bit characters, and you can use L"xxx" to
```

```
* get wchar_t, but wchar_t is 16 bits on Windows, which is not UTF32 and so
```

```

* we perform this little trick of defining the literals as arrays of UINT32
* and passing in the address of these.
*/
<literals:{it | static ANTLR3_UCHAR lit_<i>[] = <it>;}; separator="\n">

<endif>

/* MACROS that hide the C interface implementations from the
* generated code, which makes it a little more understandable to the human eye.
* I am very much against using C pre-processor macros for function calls and bits
* of code as you cannot see what is happening when single stepping in debuggers
* and so on. The exception (in my book at least) is for generated code, where you are
* not maintaining it, but may wish to read and understand it. If you single step it, you know that input()
* hides some indirect calls, but is always referring to the input stream. This is
* probably more readable than ctx->input->istream->input(snarfle0->blarg) and allows me to rejig
* the runtime interfaces without changing the generated code too often, without
* confusing the reader of the generated output, who may not wish to know the gory
* details of the interface inheritance.
*/

#define CTX ctx

/* Aids in accessing scopes for grammar programmers
*/
#undef SCOPE_TYPE
#undef SCOPE_STACK
#undef SCOPE_TOP
#define SCOPE_TYPE(scope) p<name>_##scope##_SCOPE
#define SCOPE_STACK(scope) p<name>_##scope##_Stack
#define SCOPE_TOP(scope) ctx->p<name>_##scope##_Top
#define SCOPE_SIZE(scope) ctx->p<name>_##scope##_Stack_limit
#define SCOPE_INSTANCE(scope, i) (ctx->SCOPE_STACK(scope)->get(ctx->SCOPE_STACK(scope),i))

<if(LEXER)>

/* Macros for accessing things in a lexer
*/
#undef LEXER
#undef RECOGNIZER
#undef RULEMEMO
#undef GETCHARINDEX
#undef GETLINE
#undef GETCHARPOSITIONINLINE
#undef EMIT
#undef EMITNEW

```

```

#undef MATCHC
#undef MATCHS
#undef MATCHRANGE
#undef LTOKEN
#undef HASFAILED
#undef FAILEDFLAG
#undef INPUT
#undef STRSTREAM
#undef LA
#undef HASEXCEPTION
#undef EXCEPTION
#undef CONSTRUCTEX
#undef CONSUME
#undef LRECOVER
#undef MARK
#undef REWIND
#undef REWINDLAST
#undef BACKTRACKING
#undef MATCHANY
#undef MEMOIZE
#undef HAVEPARSEDRULE
#undef GETTEXT
#undef INDEX
#undef SEEK
#undef PUSHSTREAM
#undef POPSTREAM
#undef SETTEXT
#undef SETTEXT8

#define LEXER ctx->pLexer
#define RECOGNIZER LEXER->rec
#define LEXSTATE RECOGNIZER->state
#define TOKSOURCE LEXSTATE->tokSource
#define GETCHARINDEX() LEXER->getCharIndex(LEXER)
#define GETLINE() LEXER->getLine(LEXER)
#define GETTEXT() LEXER->getText(LEXER)
#define GETCHARPOSITIONINLINE() LEXER->getCharPositionInLine(LEXER)
#define EMIT() LEXSTATE->type = _type; LEXER->emit(LEXER)
#define EMITNEW(t) LEXER->emitNew(LEXER, t)
#define MATCHC(c) LEXER->matchc(LEXER, c)
#define MATCHS(s) LEXER->matchs(LEXER, s)
#define MATCHRANGE(c1,c2) LEXER->matchRange(LEXER, c1, c2)
#define MATCHANY() LEXER->matchAny(LEXER)
#define LTOKEN LEXSTATE->token
#define HASFAILED() (LEXSTATE->failed == ANTLR3_TRUE)
#define BACKTRACKING LEXSTATE->backtracking
#define FAILEDFLAG LEXSTATE->failed
#define INPUT LEXER->input

```

```

#define STRSTREAM INPUT
#define ISTREAM INPUT->istream
#define INDEX() ISTREAM->index(ISTREAM)
#define SEEK(n) ISTREAM->seek(ISTREAM, n)
#define EOF_TOKEN &(LEXSTATE->tokSource->eofToken)
#define HASEXCEPTION() (LEXSTATE->error == ANTLR3_TRUE)
#define EXCEPTION LEXSTATE->exception
#define CONSTRUCTEX() RECOGNIZER->exConstruct(RECOGNIZER)
#define LRECOVER() LEXER->recover(LEXER)
#define MARK() ISTREAM->mark(ISTREAM)
#define REWIND(m) ISTREAM->rewind(ISTREAM, m)
#define REWINDLAST() ISTREAM->rewindLast(ISTREAM)
#define MEMOIZE(ri,si) RECOGNIZER->memoize(RECOGNIZER, ri, si)
#define HAVEPARSEDRULE(r) RECOGNIZER->alreadyParsedRule(RECOGNIZER, r)
#define PUSHSTREAM(str) LEXER->pushCharStream(LEXER, str)
#define POPSTREAM() LEXER->popCharStream(LEXER)
#define SETTEXT(str) LEXSTATE->text = str
#define SKIP() LEXSTATE->token = &(TOKSOURCE->skipToken)
#define USER1 LEXSTATE->user1
#define USER2 LEXSTATE->user2
#define USER3 LEXSTATE->user3
#define CUSTOM LEXSTATE->custom
#define RULEMEMO LEXSTATE->ruleMemo
#define DBG RECOGNIZER->debugger

/* If we have been told we can rely on the standard 8 bit or UTF16 input
 * stream, then we can define our macros to use the direct pointers
 * in the input object, which is much faster than indirect calls. This
 * is really only significant to lexers with a lot of fragment rules (which
 * do not place LA(1) in a temporary at the moment) and even then
 * only if there is a lot of input (order of say 1M or so).
 */
#if defined(ANTLR3_INLINE_INPUT_8BIT) || defined(ANTLR3_INLINE_INPUT_UTF16)

ifdef ANTLR3_INLINE_INPUT_8BIT

/* 8 bit character set */

define NEXTCHAR ((pANTLR3_UINT8)(INPUT->nextChar))
define DATAP ((pANTLR3_UINT8)(INPUT->data))

else

define NEXTCHAR ((pANTLR3_UINT16)(INPUT->nextChar))
define DATAP ((pANTLR3_UINT16)(INPUT->data))

endif

```

```

#define LA(n) ((NEXTCHAR + n) > (DATAP + INPUT->sizeBuf) ? ANTLR3_CHARSTREAM_EOF :
(ANTLR3_UCHAR)(*NEXTCHAR + n - 1))
#define CONSUME() //
{ //
if (NEXTCHAR < (DATAP + INPUT->sizeBuf)) //
{ //
INPUT->charPositionInLine++; //
if ((ANTLR3_UCHAR)(*NEXTCHAR) == INPUT->newlineChar) //
{ //
INPUT->line++; //
INPUT->charPositionInLine = 0; //
INPUT->currentLine = (void *) (NEXTCHAR + 1); //
} //
INPUT->nextChar = (void *) (NEXTCHAR + 1); //
} //
}

#else

// Pick up the input character by calling the input stream implementation.
//
#define CONSUME() INPUT->istream->consume(INPUT->istream)
#define LA(n) INPUT->istream->_LA(INPUT->istream, n)

#endif
<endif>

<if(PARSER)>
/* Macros for accessing things in the parser
*/

#undef PARSER
#undef RECOGNIZER
#undef HAVEPARSEDRULE
#undef MEMOIZE
#undef INPUT
#undef STRSTREAM
#undef HASEXCEPTION
#undef EXCEPTION
#undef MATCHT
#undef MATCHANYT
#undef FOLLOWSTACK
#undef FOLLOWPUSH
#undef FOLLOWPOP
#undef PRECOVER
#undef PREPORTERROR
#undef LA
#undef LT

```

```

#undef CONSTRUCTEX
#undef CONSUME
#undef MARK
#undef REWIND
#undef REWINDLAST
#undef PERRORRECOVERY
#undef HASFAILED
#undef FAILEDFLAG
#undef RECOVERFROMMISMATCHEDSET
#undef RECOVERFROMMISMATCHEDELEMENT
#undef INDEX
#undef ADAPTOR
#undef SEEK
#undef RULEMEMO
#undef DBG

#define PARSER ctx->pParser
#define RECOGNIZER PARSER->rec
#define PSRSTATE RECOGNIZER->state
#define HAVEPARSEDRULE(r) RECOGNIZER->alreadyParsedRule(RECOGNIZER, r)
#define MEMOIZE(ri,si) RECOGNIZER->memoize(RECOGNIZER, ri, si)
#define INPUT PARSER->tstream
#define STRSTREAM INPUT
#define ISTREAM INPUT->istream
#define INDEX() ISTREAM->index(INPUT->istream)
#define HASEXCEPTION() (PSRSTATE->error == ANTLR3_TRUE)
#define EXCEPTION PSRSTATE->exception
#define MATCHT(t, fs) RECOGNIZER->match(RECOGNIZER, t, fs)
#define MATCHANYT() RECOGNIZER->matchAny(RECOGNIZER)
#define FOLLOWSTACK PSRSTATE->following
#ifdef SKIP_FOLLOW_SETS
#define FOLLOWPUSH(x)
#define FOLLOWPOP()
#else
#define FOLLOWPUSH(x) FOLLOWSTACK->push(FOLLOWSTACK, ((void *)&(x))), NULL)
#define FOLLOWPOP() FOLLOWSTACK->pop(FOLLOWSTACK)
#endif
#define PRECOVER() RECOGNIZER->recover(RECOGNIZER)
#define PREPORTERROR() RECOGNIZER->reportError(RECOGNIZER)
#define LA(n) INPUT->istream->_LA(ISTREAM, n)
#define LT(n) INPUT->_LT(INPUT, n)
#define CONSTRUCTEX() RECOGNIZER->exConstruct(RECOGNIZER)
#define CONSUME() ISTREAM->consume(ISTREAM)
#define MARK() ISTREAM->mark(ISTREAM)
#define REWIND(m) ISTREAM->rewind(ISTREAM, m)
#define REWINDLAST() ISTREAM->rewindLast(ISTREAM)
#define SEEK(n) ISTREAM->seek(ISTREAM, n)
#define PERRORRECOVERY PSRSTATE->errorRecovery

```

```

#define FAILEDFLAG PSRSTATE->failed
#define HASFAILED() (FAILEDFLAG == ANTLR3_TRUE)
#define BACKTRACKING PSRSTATE->backtracking
#define RECOVERFROMMISMATCHEDSET(s) RECOGNIZER->recoverFromMismatchedSet(RECOGNIZER,
s)
#define RECOVERFROMMISMATCHEDELEMENT(e) RECOGNIZER-
>recoverFromMismatchedElement(RECOGNIZER, s)
#define ADAPTOR ctx->adaptor
#define RULEMEMO PSRSTATE->ruleMemo
#define DBG RECOGNIZER->debugger

```

```
<endif>
```

```
<if(TREE_PARSER)>
```

```
/* Macros for accessing things in the parser
```

```
*/
```

```

#undef PARSER
#undef RECOGNIZER
#undef HAVEPARSEDRULE
#undef INPUT
#undef STRSTREAM
#undef HASEXCEPTION
#undef EXCEPTION
#undef MATCHT
#undef MATCHANYT
#undef FOLLOWSTACK
#undef FOLLOWPUSH
#undef FOLLOWPOP
#undef PRECOVER
#undef PREPORTERROR
#undef LA
#undef LT
#undef CONSTRUCTEX
#undef CONSUME
#undef MARK
#undef REWIND
#undef REWINDLAST
#undef PERRORRECOVERY
#undef HASFAILED
#undef FAILEDFLAG
#undef RECOVERFROMMISMATCHEDSET
#undef RECOVERFROMMISMATCHEDELEMENT
#undef BACKTRACKING
#undef ADAPTOR
#undef RULEMEMO
#undef SEEK
#undef INDEX

```

```

#undef DBG

#define PARSER ctx->pTreeParser
#define RECOGNIZER PARSER->rec
#define PSRSTATE RECOGNIZER->state
#define HAVEPARSEDRULE(r) RECOGNIZER->alreadyParsedRule(RECOGNIZER, r)
#define INPUT PARSER->ctnstream
#define ISTREAM INPUT->tnstream->istream
#define STRSTREAM INPUT->tnstream
#define HASEXCEPTION() (PSRSTATE->error == ANTLR3_TRUE)
#define EXCEPTION PSRSTATE->exception
#define MATCHT(t, fs) RECOGNIZER->match(RECOGNIZER, t, fs)
#define MATCHANYT() RECOGNIZER->matchAny(RECOGNIZER)
#define FOLLOWSTACK PSRSTATE->following
#define FOLLOWPUSH(x) FOLLOWSTACK->push(FOLLOWSTACK, ((void *)&(x)), NULL)
#define FOLLOWPOP() FOLLOWSTACK->pop(FOLLOWSTACK)
#define PRECOVER() RECOGNIZER->recover(RECOGNIZER)
#define PREPORTERROR() RECOGNIZER->reportError(RECOGNIZER)
#define LA(n) ISTREAM->_LA(ISTREAM, n)
#define LT(n) INPUT->tnstream->_LT(INPUT->tnstream, n)
#define CONSTRUCTEX() RECOGNIZER->exConstruct(RECOGNIZER)
#define CONSUME() ISTREAM->consume(ISTREAM)
#define MARK() ISTREAM->mark(ISTREAM)
#define REWIND(m) ISTREAM->rewind(ISTREAM, m)
#define REWINDLAST() ISTREAM->rewindLast(ISTREAM)
#define PERRORRECOVERY PSRSTATE->errorRecovery
#define FAILEDFLAG PSRSTATE->failed
#define HASFAILED() (FAILEDFLAG == ANTLR3_TRUE)
#define BACKTRACKING PSRSTATE->backtracking
#define RECOVERFROMMISMATCHEDSET(s) RECOGNIZER->recoverFromMismatchedSet(RECOGNIZER,
s)
#define RECOVERFROMMISMATCHEDELEMENT(e) RECOGNIZER-
>recoverFromMismatchedElement(RECOGNIZER, s)
#define ADAPTOR INPUT->adaptor
#define RULEMEMO PSRSTATE->ruleMemo
#define SEEK(n) ISTREAM->seek(ISTREAM, n)
#define INDEX() ISTREAM->index(ISTREAM)
#define DBG RECOGNIZER->debugger

<endif>

#define TOKTEXT(tok, txt) tok, (pANTLR3_UINT8)txt

/* The 4 tokens defined below may well clash with your own #defines or token types. If so
* then for the present you must use different names for your defines as these are hard coded
* in the code generator. It would be better not to use such names internally, and maybe
* we can change this in a forthcoming release. I deliberately do not #undef these

```



```

* here as this will at least give you a redefined error somewhere if they clash.
*/
#define UP ANTLR3_TOKEN_UP
#define DOWN ANTLR3_TOKEN_DOWN
#define EOR ANTLR3_TOKEN_EOR
#define INVALID ANTLR3_TOKEN_INVALID

/* =====
* Functions to create and destroy scopes. First come the rule scopes, followed
* by the global declared scopes.
*/

<rules: {r |<if(r.ruleDescriptor.ruleScope)>
<ruleAttributeScopeFuncDecl(scope=r.ruleDescriptor.ruleScope)>
<ruleAttributeScopeFuncs(scope=r.ruleDescriptor.ruleScope)>
<endif>}>

<recognizer.scopes:{it | <if(it.isDynamicGlobalScope)>
<globalAttributeScopeFuncDecl(it)>
<globalAttributeScopeFuncs(it)>
<endif>}>

/* ===== */

/* =====
* Start of recognizer
*/

<recognizer>

/* End of code
* =====
*/

>>
headerFileExtension() ::= ".h"

headerFile(LEXER,
 PARSER,
 TREE_PARSER,
 actionScope,
 actions,
 docComment,
 recognizer,
 name,
 tokens,
 tokenNames,

```

```

 rules,
 cyclicDFAs,
 bitsets,
 buildTemplate,
 buildAST,
 rewriteMode,
 profile,
 backtracking,
 synpreds,
 memoize,
 numRules,
 fileName,
 ANTLRVersion,
 generatedTimestamp,
 trace,
 scopes,
 superClass,
 literals
) ::=
<<
<leadIn("C header")>
<if(PARSER)>
* The parser <mainName()>
<endif>
<if(LEXER)>
* The lexer <mainName()>
<endif>
<if(TREE_PARSER)>
* The tree parser <mainName()>
<endif>
has the callable functions (rules) shown below,
* which will invoke the code for the associated rule in the source grammar
* assuming that the input stream is pointing to a token/text stream that could begin
* this rule.
*
* For instance if you call the first (topmost) rule in a parser grammar, you will
* get the results of a full parse, but calling a rule half way through the grammar will
* allow you to pass part of a full token stream to the parser, such as for syntax checking
* in editors and so on.
*
* The parser entry points are called indirectly (by function pointer to function) via
* a parser context typedef p<name>, which is returned from a call to <name>New().
*
<if(LEXER)>
* As this is a generated lexer, it is unlikely you will call it 'manually'. However
* the methods are provided anyway.
*
<endif>

```

```

* The methods in p<name> are as follows:
*
* <rules:{r | <if(!r.ruleDescriptor.isSynPred)> - <headerReturnType(ruleDescriptor=r.ruleDescriptor,...)>
p<name>-><r.ruleDescriptor.name>(p<name><endif>}; separator="\n * ">
*
* The return type for any particular rule is of course determined by the source
* grammar file.
*/
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// http://www.linkedin.com/in/jimidle
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#ifndef _<name>_H
#define _<name>_H
<actions.(actionScope).preincludes>
/* =====
* Standard antlr3 C runtime definitions
*/
#include \<antlr3.h>

/* End of standard antlr 3 runtime definitions
* =====
*/

```

```

<actions.(actionScope).includes>

#ifdef __cplusplus
extern "C" {
#endif

// Forward declare the context typedef so that we can use it before it is
// properly defined. Delegators and delegates (from import statements) are
// interdependent and their context structures contain pointers to each other
// C only allows such things to be declared if you pre-declare the typedef.
//
typedef struct <name>_Ctx_struct <name>, * p<name>;

<if(recognizer.grammar.delegates)>
// Include delegate definition header files
//
<recognizer.grammar.delegates: {g|#include \<<g.recognizerName>.h>}; separator="\n">

<endif>

<actions.(actionScope).header>

#ifdef ANTLR3_WINDOWS
// Disable: Unreferenced parameter, - Rules with parameters that are not used
// constant conditional, - ANTLR realizes that a prediction is always true (synpred usually)
// initialized but unused variable - tree rewrite variables declared but not needed
// Unreferenced local variable - lexer rule declares but does not always use _type
// potentially uninitialized variable used - retval always returned from a rule
// unreferenced local function has been removed - susually getTokenNames or freeScope, they can go without
warnigns
//
// These are only really displayed at warning level /W4 but that is the code ideal I am aiming at
// and the codegen must generate some of these warnings by necessity, apart from 4100, which is
// usually generated when a parser rule is given a parameter that it does not use. Mostly though
// this is a matter of orthogonality hence I disable that one.
//
#pragma warning(disable : 4100)
#pragma warning(disable : 4101)
#pragma warning(disable : 4127)
#pragma warning(disable : 4189)
#pragma warning(disable : 4505)
#pragma warning(disable : 4701)
#endif
<if(backtracking)>

/* =====
* BACKTRACKING IS ENABLED

```

```

* =====
*/
<endif>

<rules:{r |<headerReturnScope(ruleDescriptor=r.ruleDescriptor,...)>>

<scopes:{it | <if(it.isDynamicGlobalScope)><globalAttributeScopeDecl(it)><endif>>
<rules:{r |<ruleAttributeScopeDecl(scope=r.ruleDescriptor.ruleScope)>>
<if(recognizer.grammar.delegators)>
// Include delegator definition header files
//
<recognizer.grammar.delegators: {g#include \<<g.recognizerName>.h>; separator="\n">

<endif>

/** Context tracking structure for <mainName()>
*/
struct <name>_Ctx_struct
{
 /** Built in ANTLR3 context tracker contains all the generic elements
 * required for context tracking.
 */
<if(PARSER)>
 pANTLR3_PARSER pParser;
<endif>
<if(LEXER)>
 pANTLR3_LEXER pLexer;
<endif>
<if(TREE_PARSER)>
 pANTLR3_TREE_PARSER pTreeParser;
<endif>

<if(recognizer.grammar.delegates)>
<recognizer.grammar.delegates:
 {g|p<g.recognizerName> <g:delegateName(>;}; separator="\n">
<endif>
<if(recognizer.grammar.delegators)>
<recognizer.grammar.delegators:
 {g|p<g.recognizerName> <g:delegateName(>;}; separator="\n">
<endif>
<scopes:{it | <if(it.isDynamicGlobalScope)>
 <globalAttributeScopeDef(it)>
<endif>}; separator="\n\n">
<rules: {r |<if(r.ruleDescriptor.ruleScope)>
 <ruleAttributeScopeDef(scope=r.ruleDescriptor.ruleScope)>
<endif>}>

<if(LEXER)>

```

```

 <rules:{r | <if(!r.ruleDescriptor.isSynPred)><headerReturnType(ruleDescriptor=r.ruleDescriptor)>
(*m<r.ruleDescriptor.name>) (struct <name>_Ctx_struct * ctx<if(r.ruleDescriptor.parameterScope)>,
<endif><r.ruleDescriptor.parameterScope:parameterScope(>>);<endif>}; separator="\n">
<endif>
<if(!LEXER)>
 <rules:{r | <headerReturnType(ruleDescriptor=r.ruleDescriptor)> (*<r.ruleDescriptor.name>) (struct
<name>_Ctx_struct * ctx<if(r.ruleDescriptor.parameterScope)>,
<endif><r.ruleDescriptor.parameterScope:parameterScope(>>);}; separator="\n">
<! generate rule/method definitions for imported rules so they
appear to be defined in this recognizer. !>
 // Delegated rules
<recognizer.grammar.delegatedRules:{ruleDescriptor|
 <headerReturnType(ruleDescriptor)> (*<ruleDescriptor.name>)(struct <name>_Ctx_struct *
ctx<if(ruleDescriptor.parameterScope)>, <endif><r.ruleDescriptor.parameterScope:parameterScope(>>);};
separator="\n">
<endif>

 const char * (*getGrammarFileName());
 void (*reset) (struct <name>_Ctx_struct * ctx);
 void (*free) (struct <name>_Ctx_struct * ctx);
 <@members>
 <@end>
 <actions.(actionScope).context>
};

// Function prototypes for the constructor functions that external translation units
// such as delegators and delegates may wish to call.
//
ANTLR3_API p<name> <name>New (<inputType(>> instream<recognizer.grammar.delegators:{g|,
p<g.recognizerName> <g.delegateName(>>}&>);
ANTLR3_API p<name> <name>NewSSD (<inputType(>> instream,
pANTLR3_RECOGNIZER_SHARED_STATE state<recognizer.grammar.delegators:{g|, p<g.recognizerName>
<g.delegateName(>>}&>);
<if(!recognizer.grammar.grammarIsRoot)>
extern pANTLR3_UINT8 <recognizer.grammar.composite.rootGrammar.recognizerName>TokenNames[];
<endif>

/** Symbolic definitions of all the tokens that the <grammarType(>> will work with.
* \{
*
* Antlr will define EOF, but we can't use that as it is too common in
* in C header files and that would be confusing. There is no way to filter this out at the moment
* so we just undef it here for now. That isn't the value we get back from C recognizers
* anyway. We are looking for ANTLR3_TOKEN_EOF.
*/
#ifdef EOF
#undef EOF

```

```

#endif
#ifdef Tokens
#undef Tokens
#endif
<tokens:{it | #define <it.name> <it.type>}; separator="\n">
#ifdef EOF
#undef EOF
#define EOF ANTLR3_TOKEN_EOF
#endif

#ifndef TOKENSOURCE
#define TOKENSOURCE(lxr) lxr->pLexer->rec->state->tokSource
#endif

/* End of token definitions for <name>
* =====
*/
/** \} */

#ifdef __cplusplus
}
#endif

#endif

/* END - Note:Keep extra line feed to satisfy UNIX systems */

>>

inputType() ::= <<
<if(LEXER)>
pANTLR3_INPUT_STREAM
<endif>
<if(PARSER)>
pANTLR3_COMMON_TOKEN_STREAM
<endif>
<if(TREE_PARSER)>
pANTLR3_COMMON_TREE_NODE_STREAM
<endif>
>>

grammarType() ::= <<
<if(PARSER)>
parser
<endif>
<if(LEXER)>
lexer
<endif>

```

```

<if(TREE_PARSER)>
tree parser
<endif>
>>

mainName() ::= <<
<if(PARSER)>
<name>
<endif>
<if(LEXER)>
<name>
<endif>
<if(TREE_PARSER)>
<name>
<endif>
>>

headerReturnScope(ruleDescriptor) ::= "<returnScope(...)>"

headerReturnType(ruleDescriptor) ::= <<
<if(LEXER)>
<if(!ruleDescriptor.isSynPred)>
void
<else>
<returnType()>
<endif>
<else>
<returnType()>
<endif>
>>

// Produce the lexer output
//
lexer(grammar,
 name,
 tokens,
 scopes,
 rules,
 numRules,
 filterMode,
 superClass,
 labelType="pANTLR3_COMMON_TOKEN") ::= <<

<if(filterMode)>
/* Forward declare implementation function for ANTLR3_TOKEN_SOURCE interface when
 * this is a filter mode lexer.
 */
static pANTLR3_COMMON_TOKEN <name>NextToken (pANTLR3_TOKEN_SOURCE toksource);

```



```

/* Override the normal MEMOIZE and HAVEALREADYPARSED macros as this is a filtering
* lexer. In filter mode, the memoizing and backtracking are gated at BACKTRACKING > 1 rather
* than just BACKTRACKING. In some cases this might generate code akin to:
* if (BACKTRACKING) if (BACKTRACKING > 1) memoize.
* However, I assume that the C compilers/optimizers are smart enough to work this one out
* these days - Jim
*/
#undef MEMOIZE
#define MEMOIZE(ri,si) if (BACKTRACKING>1) { RECOGNIZER->memoize(RECOGNIZER, ri, si) }
#undef HAVEPARSEDRULE
#define HAVEPARSEDRULE(r) if (BACKTRACKING>1) { RECOGNIZER->alreadyParsedRule(RECOGNIZER,
r) }
<endif>

/* Forward declare the locally static matching functions we have generated and any predicate functions.
*/
<rules:{r | static ANTLR3_INLINE <headerReturnType(ruleDescriptor=r.ruleDescriptor)>
<if(!r.ruleDescriptor.isSynPred)>m<endif><r.ruleDescriptor.name> (p<name>
ctx<if(r.ruleDescriptor.parameterScope)>, <endif><r.ruleDescriptor.parameterScope:parameterScope(>>);};
separator="\n">
static void <name>Free(p<name> ctx);

/* =====
* Lexer matching rules end.
* =====
*/

<scopes:{it |<if(it.isDynamicGlobalScope)><globalAttributeScope(it)><endif>}>

<actions.lexer.members>

static void
<name>Free (p<name> ctx)
{
<if(memoize)>
if (RULEMEMO != NULL)
{
RULEMEMO->free(RULEMEMO);
RULEMEMO = NULL;
}
<endif>
<if(grammar.directDelegates)>
// Free the lexers that we delegated to
// functions to. NULL the state so we only free it once.
//
<grammar.directDelegates:
{g|ctx-><g:delegateName(>->pLexer->rec->state = NULL;

```

```

 ctx-><g:delegateName(>->free(ctx-><g:delegateName(>));}; separator="\n">
<endif>
 LEXER->free(LEXER);

 ANTLR3_FREE(ctx);
}

static void
<name>Reset (p<name> ctx)
{
 RECOGNIZER->reset(RECOGNIZER);
}

/** \brief Name of the grammar file that generated this code
*/
static const char fileName[] = "<fileName>";

/** \brief Return the name of the grammar file that generated this code.
*/
static const char * getGrammarFileName()
{
 return fileName;
}

<if(filterMode)>
 <filteringNextToken(>
<endif>

/** \brief Create a new lexer called <name>
*
* \param[in] instream Pointer to an initialized input stream
* \return
* - Success p<name> initialized for the lex start
* - Fail NULL
*/
ANTLR3_API p<name> <name>New
(<inputType(> instream<grammar.delegators:{g|, p<g.recognizerName> <g:delegateName(>}&>))
{
 // See if we can create a new lexer with the standard constructor
 //
 return <name>NewSSD(instream, NULL<grammar.delegators:{g|, <g:delegateName(>}&>));
}

/** \brief Create a new lexer called <name>
*
* \param[in] instream Pointer to an initialized input stream
* \param[state] state Previously created shared recognizer stat
* \return

```

```

* - Success p<name> initialized for the lex start
* - Fail NULL
*/
ANTLR3_API p<name> <name>NewSSD
(pANTLR3_INPUT_STREAM instream, pANTLR3_RECOGNIZER_SHARED_STATE
state<grammar.delegators:{g|, p<g.recognizerName> <g.delegateName()>>})
{
 p<name> ctx; // Context structure we will build and return

 ctx = (p<name>) ANTLR3_CALLOC(1, sizeof(<name>));

 if (ctx == NULL)
 {
 // Failed to allocate memory for lexer context
 return NULL;
 }

 /* -----
 * Memory for basic structure is allocated, now to fill in
 * in base ANTLR3 structures. We initialize the function pointers
 * for the standard ANTLR3 lexer function set, but upon return
 * from here, the programmer may set the pointers to provide custom
 * implementations of each function.
 *
 * We don't use the macros defined in <name>.h here so you can get a sense
 * of what goes where.
 */

 /* Create a base lexer, using the supplied input stream
 */
 ctx->pLexer = antlr3LexerNewStream(ANTLR3_SIZE_HINT, instream, state);

 /* Check that we allocated the memory correctly
 */
 if (ctx->pLexer == NULL)
 {
 ANTLR3_FREE(ctx);
 return NULL;
 }
<if(memoize)>
<if(grammar.grammarIsRoot)>
 // Create a LIST for recording rule memos.
 //
 ctx->pLexer->rec->ruleMemo = antlr3IntTrieNew(15); /* 16 bit depth is enough for 32768 rules! */
<endif>
<endif>

 /* Install the implementation of our <name> interface

```

```

*/
<rules: {r | <if(!r.ruleDescriptor.isSynPred)>ctx->m<r.ruleDescriptor.name> =
m<r.ruleDescriptor.name>;<endif>} ; separator="\n">

/** When the nextToken() call is made to this lexer's pANTLR3_TOKEN_SOURCE
 * it will call mTokens() in this generated code, and will pass it the ctx
 * pointer of this lexer, not the context of the base lexer, so store that now.
 */
ctx->pLexer->ctx = ctx;

/**Install the token matching function
 */
ctx->pLexer->mTokens = (void (*)(void *))(mTokens);

ctx->getGrammarFileName = getGrammarFileName;
ctx->free = <name>Free;
ctx->reset = <name>Reset;

<if(grammar.directDelegates)>
// Initialize the lexers that we are going to delegate some
// functions to.
//
<grammar.directDelegates:
 {g|ctx-><g:delegateName()> = <g.recognizerName>NewSSD(instream, ctx->pLexer->rec->state,
ctx->grammar.delegates: {g|, <g:delegateName()>}>);}; separator="\n">
<endif>
<if(grammar.delegates)>
// Install the pointers back to lexers that will delegate us to perform certain functions
// for them.
//
<grammar.delegates:
 {g|ctx-><g:delegateName()> = <g:delegateName()>;}; separator="\n">
<endif>
<if(filterMode)>
/* We have filter mode turned on, so install the filtering nextToken function
 */
ctx->pLexer->rec->state->tokSource->nextToken = <name>NextToken;
<endif>
<actions.lexer.apifuncs>

/* Return the newly built lexer to the caller
 */
return ctx;
}
<if(cyclicDFAs)>

/* =====
 * DFA tables for the lexer

```

```

*/
<cyclicDFAs:cyclicDFA(>< ! dump tables for all DFA !>
/* =====
* End of DFA tables for the lexer
*/
<endif>

/* =====
* Functions to match the lexer grammar defined tokens from the input stream
*/

<rules; separator="\n\n">

/* =====
* Lexer matching rules end.
* =====
*/
<if(synpreds)>

/* =====
* Lexer syntactic predicates
*/
<synpreds:{p | <lexerSynpred(predname=p)>}>
/* =====
* Lexer syntactic predicates end.
* =====
*/
<endif>

/* End of Lexer code
* =====
* =====
*/

>>

```

```

filteringNextToken() ::= <<
/** An override of the lexer's nextToken() method that backtracks over mTokens() looking
* for matches in lexer filterMode. No error can be generated upon error; just rewind, consume
* a token and then try again. BACKTRACKING needs to be set as well.
* Make rule memoization happen only at levels above 1 as we start mTokens
* at BACKTRACKING==1.
*/
static pANTLR3_COMMON_TOKEN
<name>NextToken(pANTLR3_TOKEN_SOURCE toksource)
{
 pANTLR3_LEXER lexer;

```

```

pANTLR3_RECOGNIZER_SHARED_STATE state;

lexer = (pANTLR3_LEXER)(toksource->super);
state = lexer->rec->state;

/* Get rid of any previous token (token factory takes care of
 * any deallocation when this token is finally used up.
 */
state ->token = NULL;
state ->error = ANTLR3_FALSE; /* Start out without an exception */
state ->failed = ANTLR3_FALSE;

/* Record the start of the token in our input stream.
 */
state->tokenStartCharIndex = lexer->input->istream->index(lexer->input->istream);
state->tokenStartCharPositionInLine = lexer->input->getCharPositionInLine(lexer->input);
state->tokenStartLine = lexer->input->getLine(lexer->input);
state->text = NULL;

/* Now call the matching rules and see if we can generate a new token
 */
for (;;)
{
if (lexer->input->istream->_LA(lexer->input->istream, 1) == ANTLR3_CHARSTREAM_EOF)
{
/* Reached the end of the stream, nothing more to do.
 */
pANTLR3_COMMON_TOKEN teof = &(toksource->eofToken);

teof->setStartIndex (teof, lexer->getCharIndex(lexer));
teof->setStopIndex (teof, lexer->getCharIndex(lexer));
teof->setLine (teof, lexer->getLine(lexer));
return teof;
}

state->token = NULL;
state->error = ANTLR3_FALSE; /* Start out without an exception */

{
ANTLR3_MARKER m;

m = lexer->input->istream->mark(lexer->input->istream);
state->backtracking = 1; /* No exceptions */
state->failed = ANTLR3_FALSE;

/* Call the generated lexer, see if it can get a new token together.
 */
lexer->mTokens(lexer->ctx);

```

```

state->backtracking = 0;

<! mTokens backtracks with synpred at BACKTRACKING==2
and we set the synpredgate to allow actions at level 1. !>

if (state->failed == ANTLR3_TRUE)
{
lexer->input->istream->rewind(lexer->input->istream, m);
lexer->input->istream->consume(lexer->input->istream); <! advance one char and try again !>
}
else
{
lexer->emit(lexer); /* Assemble the token and emit it to the stream */
return state->token;
}
}
}
}
}
>>

```

```

actionGate() ::= "BACKTRACKING==0"

```

```

filteringActionGate() ::= "BACKTRACKING==1"

```

```

/** How to generate a parser */
genericParser(grammar,
name,
scopes,
tokens,
tokenNames,
rules,
numRules,
bitsets,
inputStreamType,
superClass,
labelType,
members,
rewriteElementType, filterMode,
ASTLabelType="pANTLR3_BASE_TREE"
) ::= <<

```

```

<if(grammar.grammarIsRoot)>
/** \brief Table of all token names in symbolic order, mainly used for
* error reporting.
*/
pANTLR3_UINT8 <name>TokenNames[<length(tokenNames)>+4]
= {

```

```

 (pANTLR3_UINT8) "\\<invalid>", /* String to print to indicate an invalid token */
 (pANTLR3_UINT8) "\\<EOR>",
 (pANTLR3_UINT8) "\\<DOWN>",
 (pANTLR3_UINT8) "\\<UP>",
 <tokenNames:{it |(pANTLR3_UINT8) <it>}; separator=",\n">
};
<endif>

<@members>

<@end>
<rules:{r |<ruleAttributeScopeFuncMacro(scope=r.ruleDescriptor.ruleScope)>>}>
<scopes:{it |<if(it.isDynamicGlobalScope)><globalAttributeScopeFuncMacro(it)><endif>}>

// Forward declare the locally static matching functions we have generated.
//
<rules:{r | static <headerReturnType(ruleDescriptor=r.ruleDescriptor)> <r.ruleDescriptor.name> (p<name>
ctx<if(r.ruleDescriptor.parameterScope)>, <endif><r.ruleDescriptor.parameterScope:parameterScope()>);};
separator="\n">
static void <name>Free(p<name> ctx);
static void <name>Reset (p<name> ctx);

<if(!LEXER)>
<! generate rule/method definitions for imported rules so they
appear to be defined in this recognizer. !>
<if(recognizer.grammar.delegatedRules)>
// Delegated rules
//
<recognizer.grammar.delegatedRules:{ruleDescriptor|static <headerReturnType(ruleDescriptor)>
<ruleDescriptor.name>(p<name> ctx<if(ruleDescriptor.parameterScope)>,
<endif><r.ruleDescriptor.parameterScope:parameterScope()>);}; separator="\n">

<endif>
<endif>

/* For use in tree output where we are accumulating rule labels via label += ruleRef
* we need a function that knows how to free a return scope when the list is destroyed.
* We cannot just use ANTLR3_FREE because in debug tracking mode, this is a macro.
*/
static void ANTLR3_CDECL freeScope(void * scope)
{
 ANTLR3_FREE(scope);
}

/** \brief Name of the grammar file that generated this code
*/
static const char fileName[] = "<fileName>";

```



```

/** \brief Return the name of the grammar file that generated this code.
*/
static const char * getGrammarFileName()
{
 return fileName;
}

/** \brief Create a new <name> parser and return a context for it.
*
* \param[in] instream Pointer to an input stream interface.
*
* \return Pointer to new parser context upon success.
*/
ANTLR3_API p<name>
<name>New (<inputStreamType> instream<grammar.delegators:{g|, p<g.recognizerName>
<g.delegateName()>>>)
{
 // See if we can create a new parser with the standard constructor
 //
 return <name>NewSSD(instream, NULL<grammar.delegators:{g|, <g.delegateName()>>>);
}

/** \brief Create a new <name> parser and return a context for it.
*
* \param[in] instream Pointer to an input stream interface.
*
* \return Pointer to new parser context upon success.
*/
ANTLR3_API p<name>
<name>NewSSD (<inputStreamType> instream, pANTLR3_RECOGNIZER_SHARED_STATE
state<grammar.delegators:{g|, p<g.recognizerName> <g.delegateName()>>>)
{
 p<name> ctx; /* Context structure we will build and return */

 ctx = (p<name>) ANTLR3_CALLOC(1, sizeof(<name>));

 if (ctx == NULL)
 {
 // Failed to allocate memory for parser context
 //
 return NULL;
 }

 /* -----
 * Memory for basic structure is allocated, now to fill in
 * the base ANTLR3 structures. We initialize the function pointers
 * for the standard ANTLR3 parser function set, but upon return
 * from here, the programmer may set the pointers to provide custom
 * implementations of each function.
 */

```

```

*
* We don't use the macros defined in <name>.h here, in order that you can get a sense
* of what goes where.
*/

<if(PARSER)>
/* Create a base parser/recognizer, using the supplied token stream
*/
ctx->pParser = antlr3ParserNewStream(ANTLR3_SIZE_HINT, instream->tstream, state);
<endif>
<if(TREE_PARSER)>
/* Create a base Tree parser/recognizer, using the supplied tree node stream
*/
ctx->pTreeParser = antlr3TreeParserNewStream(ANTLR3_SIZE_HINT, instream, state);
<endif>

/* Install the implementation of our <name> interface
*/
<rules:{r | ctx-><r.ruleDescriptor.name> = <r.ruleDescriptor.name>;}; separator="\n">
<if(grammar.delegatedRules)>
// Install the delegated methods so that they appear to be a part of this
// parser
//
<grammar.delegatedRules:{ruleDescriptor | ctx-><ruleDescriptor.name> = <ruleDescriptor.name>;};
separator="\n">
<endif>

ctx->free = <name>Free;
ctx->reset = <name>Reset;
ctx->getGrammarFileName = getGrammarFileName;

/* Install the scope pushing methods.
*/
<rules: {r |<if(r.ruleDescriptor.ruleScope)>
<ruleAttributeScope(scope=r.ruleDescriptor.ruleScope)><\n>
<endif>}>
<recognizer.scopes:{it |<if(it.isDynamicGlobalScope)>
<globalAttributeScope(it)><\n>
<endif>}>
<@apifuncs>

<@end>
<if(grammar.directDelegates)>
// Initialize the parsers that we are going to delegate some
// functions to.
//
<grammar.directDelegates:
{g|ctx-><g.delegateName()> = <g.recognizerName>NewSSD(instream, PSRSTATE,

```

```

ctx<grammar.delegators:{g|,<g:delegateName()>>}; separator="\n">
<endif>
<if(grammar.delegators)>
// Install the pointers back to parsers that will delegate us to perform certain functions
// for them.
//
<grammar.delegators:
 {g|ctx-><g:delegateName()> = <g:delegateName()>; separator="\n">
<endif>
 <actions.parser.apifuncs>
 <actions.treeparser.apifuncs>
<if(memoize)>
<if(grammar.grammarIsRoot)>
 /* Create a LIST for recording rule memos.
 */
 RULEMEMO = antlr3IntTrieNew(15); /* 16 bit depth is enough for 32768 rules! */<\n>
<endif>
<endif>
 /* Install the token table
 */
 PSRSTATE->tokenNames = <grammar.composite.rootGrammar.recognizerName>TokenNames;

<@debugStuff()>

 /* Return the newly built parser to the caller
 */
 return ctx;
}

static void
<name>Reset (p<name> ctx)
{
 RECOGNIZER->reset(RECOGNIZER);
}

/** Free the parser resources
*/
static void
<name>Free(p<name> ctx)
{
 /* Free any scope memory
 */
 <rules: {r
|<if(r.ruleDescriptor.ruleScope)><ruleAttributeScopeFree(scope=r.ruleDescriptor.ruleScope)><\n><endif>}>
 <recognizer.scopes:{it |<if(it.isDynamicGlobalScope)><globalAttributeScopeFree(it)><\n><endif>}>

<@cleanup>
<@end>

```

```

<if(grammar.directDelegates)>
// Free the parsers that we delegated to
// functions to.NULL the state so we only free it once.
//
<grammar.directDelegates:
 { g| ctx-><g:delegateName()-><if(TREE_PARSER)>pTreeParser<else>pParser<endif->rec->state = NULL;
 ctx-><g:delegateName()->free(ctx-><g:delegateName()->);}; separator="\n">
<endif>
<if(memoize)>
<if(grammar.grammarIsRoot)>
if (RULEMEMO != NULL)
{
 RULEMEMO->free(RULEMEMO);
 RULEMEMO = NULL;
}
<endif>
<endif>
// Free this parser
//
<if(TREE_PARSER)>
 ctx->pTreeParser->free(ctx->pTreeParser);<\n>
<else>
 ctx->pParser->free(ctx->pParser);<\n>
<endif>

 ANTLR3_FREE(ctx);

 /* Everything is released, so we can return
 */
 return;
}

/** Return token names used by this <grammarType()>
 *
 * The returned pointer is used as an index into the token names table (using the token
 * number as the index).
 *
 * \return Pointer to first char * in the table.
 */
static pANTLR3_UINT8 *getTokenNames()
{
 return <grammar.composite.rootGrammar.recognizerName>TokenNames;
}

<members>

/* Declare the bitsets
*/

```

```
<bitsets:{it | <bitsetDeclare(name={FOLLOW_<it.name>_in_<it.inName><it.tokenIndex>},
 words64=it.bits)>>>
```

```
<if(cyclicDFAs)>
```

```
/* =====
 * DFA tables for the parser
 */
<cyclicDFAs:cyclicDFA() <! dump tables for all DFA !>
/* =====
 * End of DFA tables for the parser
 */
<endif>
```

```
/* =====
 * Parsing rules
 */
<rules; separator="\n\n">
<if(grammar.delegatedRules)>
// Delegated methods that appear to be a part of this
// parser
//
<grammar.delegatedRules:{ruleDescriptor|
 <returnType()> <ruleDescriptor.name>(p<name> ctx<if(ruleDescriptor.parameterScope.attributes)>,
<endif><ruleDescriptor.parameterScope:parameterScope()>)
 \{
 <if(ruleDescriptor.hasReturnValue)>return <endif>ctx-><ruleDescriptor.grammar:delegateName()>-
 <ruleDescriptor.name>(ctx-
 ><ruleDescriptor.grammar:delegateName()><if(ruleDescriptor.parameterScope.attributes)>,
<endif><ruleDescriptor.parameterScope.attributes:{a|<a.name>}; separator=", ">);
 \}}; separator="\n">
```

```
<endif>
```

```
/* End of parsing rules
```

```
* =====
*/
```

```
/* =====
 * Syntactic predicates
 */
<synpreds:{p | <synpred(predname=p)>>
/* End of syntactic predicates
 * =====
*/
```

>>

```
parser(grammar,
 name,
 scopes,
 tokens,
 tokenNames,
 rules,
 numRules,
 bitsets,
 ASTLabelType,
 superClass="Parser",
 labelType="pANTLR3_COMMON_TOKEN",
 members={<actions.parser.members>}
) ::= <<
<genericParser(inputStreamType="pANTLR3_COMMON_TOKEN_STREAM", rewriteElementType="TOKEN",
 ...)>
>>
```

```
/** How to generate a tree parser; same as parser except the input
 * stream is a different type.
 */
```

```
treeParser(grammar,
 name,
 scopes,
 tokens,
 tokenNames,
 globalAction,
 rules,
 numRules,
 bitsets,
 filterMode,
 labelType={<ASTLabelType>},
 ASTLabelType="pANTLR3_BASE_TREE",
 superClass="TreeParser",
 members={<actions.treeparser.members>}
) ::= <<
<genericParser(inputStreamType="pANTLR3_COMMON_TREE_NODE_STREAM",
 rewriteElementType="NODE", ...)>
>>
```

```
/** A simpler version of a rule template that is specific to the imaginary
 * rules created for syntactic predicates. As they never have return values
 * nor parameters etc..., just give simplest possible method. Don't do
 * any of the normal memoization stuff in here either; it's a waste.
 * As predicates cannot be inlined into the invoking rule, they need to
```

```

* be in a rule by themselves.
*/
synpredRule(ruleName, ruleDescriptor, block, description, nakedBlock) ::=
<<
// $ANTLR start <ruleName>
static void <ruleName>_fragment(p<name> ctx <ruleDescriptor.parameterScope:parameterScope(>
{
 <ruleLabelDefs(>
 <ruleLabelInitializations(>
 <if(trace)>
 ANTLR3_PRINTF("enter <ruleName> %d failed = %d, backtracking = %d\n",LT(1),failed,BACKTRACKING);
 <block>
 ANTLR3_PRINTF("exit <ruleName> %d, failed = %d, backtracking = %d\n",LT(1),failed,BACKTRACKING);

 <else>
 <block>
 <endif>
 <ruleCleanUp(>
 }
// $ANTLR end <ruleName>
>>

synpred(predname) ::= <<
static ANTLR3_BOOLEAN <predname>(p<name> ctx)
{
 ANTLR3_MARKER start;
 ANTLR3_BOOLEAN success;

 BACKTRACKING++;
 <@start(>
 start = MARK();
 <predname>_fragment(ctx); // can never throw exception
 success = !(FAILEDFLAG);
 REWIND(start);
 <@stop(>
 BACKTRACKING--;
 FAILEDFLAG = ANTLR3_FALSE;
 return success;
}<\n>
>>

lexerSynpred(predname) ::= <<
<synpred(predname)>
>>

ruleMemoization(rname) ::= <<
<if(memoize)>
if ((BACKTRACKING>0) && (HAVEPARSEDRULE(<ruleDescriptor.index>))))

```

```

{
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!ruleDescriptor.isSynPred)>
 retval.start = 0;<\n>
<endif>
<endif>
 <(ruleDescriptor.actions.after):execAfter()>
 <finalCode(finalBlock=finally)>
<if(!ruleDescriptor.isSynPred)>
 <scopeClean()><\n>
<endif>
 return <ruleReturnValue()>;
}
<endif>
>>

```

/\*\* How to test for failure and return from rule \*/

```

checkRuleBacktrackFailure() ::= <<
if (HASEXCEPTION())
{
 goto rule<ruleDescriptor.name>Ex;
}
<if(backtracking)>
if (HASFAILED())
{
 <scopeClean()>
 <@debugClean()>
 return <ruleReturnValue()>;
}
<endif>
>>

```

/\*\* This rule has failed, exit indicating failure during backtrack \*/

```

ruleBacktrackFailure() ::= <<
<if(backtracking)>
if (BACKTRACKING>0)
{
 FAILEDFLAG = <>true_value()>;
 <scopeClean()>
 return <ruleReturnValue()>;
}
<endif>
>>

```

/\*\* How to generate code for a rule. This includes any return type

\* data aggregates required for multiple return values.

\*/

```

rule(ruleName,ruleDescriptor,block,emptyRule,description,exceptions,finally,memoize) ::= <<

```



```

/**
 * $ANTLR start <ruleName>
 * <fileName>:<description>
 */
static <returnType>
<ruleName>(p<name> ctx<if(ruleDescriptor.parameterScope)>,
<endif><ruleDescriptor.parameterScope:parameterScope()>)
{
 <if(trace)>ANTLR3_PRINTF("enter <ruleName> %s failed=%d, backtracking=%d\n", LT(1),
BACKTRACKING);<endif>
 <ruleDeclarations()>
 <ruleDescriptor.actions.declarations>
 <ruleLabelDefs()>
 <ruleInitializations()>
 <ruleDescriptor.actions.init>
 <ruleMemoization(rname=ruleName)>
 <ruleLabelInitializations()>
 <@preamble()>
 {
 <block>
 }

 <ruleCleanUp()>
<if(exceptions)>
 if (HASEXCEPTION())
 {
<exceptions: {e|<catch(decl=e.decl,action=e.action)><\n>}>
 }
 else
 {
<(ruleDescriptor.actions.after):execAfter()>
 }
<else>
<if(!emptyRule)>
 <if(actions.(actionScope).rulecatch)>
 <actions.(actionScope).rulecatch>
 <else>
 if (HASEXCEPTION())
 {
 PREPORTERROR();
 PRECOVER();
 <@setErrorReturnValue()>
 }
 <if(ruleDescriptor.actions.after)>
 else
 {
 <(ruleDescriptor.actions.after):execAfter()>
 }<\n>

```

```

 <endif>
 <endif>
<endif>
<endif>

 <if(trace)>ANTLR3_PRINTF("exit <ruleName> %d failed=%s backtracking=%s\n", LT(1), failed,
BACKTRACKING);<endif>
 <memoize()>
<if(finally)>
 <finalCode(finalBlock=finally)>
<endif>
 <scopeClean()>
 <@postamble()>
 return <ruleReturnValue()>;
}
/* $ANTLR end <ruleName> */
>>

finalCode(finalBlock) ::= <<
{
 <finalBlock>
}

>>

catch(decl,action) ::= <<
/* catch(decl,action)
*/
{
 <e.action>
}

>>

ruleDeclarations() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<returnType()> retval;<\n>
<else>
<ruleDescriptor.returnScope.attributes:{ a |
<a.type> <a.name>;
}>
<endif>
<if(memoize)>
ANTLR3_MARKER <ruleDescriptor.name>_StartIndex;
<endif>
>>

ruleInitializations() ::= <<

```

```

/* Initialize rule variables
*/
<if(ruleDescriptor.hasMultipleReturnValues)>
<ruleDescriptor.returnScope.attributes:{ a |
<if(a.initValue)>retval.<a.name> = <a.initValue>;<endif>
}>
<else>
<ruleDescriptor.returnScope.attributes:{ a |
<if(a.initValue)><a.name> = <a.initValue>;<endif>
}>
<endif>
<if(memoize)>
<ruleDescriptor.name>_startIndex = INDEX();<\n>
<endif>
<ruleDescriptor.useScopes:{ it |<scopeTop(it)> = <scopePush(it)>;}; separator="\n">
<ruleDescriptor.ruleScope:{ it |<scopeTop(it.name)> = <scopePush(it.name)>;}; separator="\n">
>>

ruleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels]
: {it |<labelType> <it.label.text>;}; separator="\n"
>
<[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels]
: {it |pANTLR3_VECTOR list_<it.label.text>;}; separator="\n"
>
<[ruleDescriptor.ruleLabels,ruleDescriptor.ruleListLabels]
: ruleLabelDef(); separator="\n"
>
>>

ruleLabelInitializations() ::= <<
<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels]
: {it |<it.label.text> = NULL;}; separator="\n"
>
<[ruleDescriptor.tokenListLabels,ruleDescriptor.ruleListLabels]
: {it |list_<it.label.text> = NULL;}; separator="\n"
>
<[ruleDescriptor.ruleLabels,ruleDescriptor.ruleListLabels]
: ruleLabelInitVal(); separator="\n"
>
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!ruleDescriptor.isSynPred)>
retval.start = LT(1); retval.stop = retval.start;<\n>
<endif>
<endif>
>>

lexerRuleLabelDefs() ::= <<

```

```

<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]
: {it |<labelType> <it.label.text>;}; separator="\n"
>
<ruleDescriptor.charLabels: {it |ANTLR3_UINT32 <it.label.text>;}; separator="\n">
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels,
ruleDescriptor.ruleListLabels]
: {it |pANTLR3_INT_TRIE list_<it.label.text>;}; separator="\n"
>
>>

```

```

lexerRuleLabelInit() ::= <<
<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]
: {it |<it.label.text> = NULL;}; separator="\n"
>
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels,
ruleDescriptor.ruleListLabels]
: {it |list_<it.label.text> = antlr3IntTrieNew(31);}; separator="\n"
>
>>

```

```

lexerRuleLabelFree() ::= <<
<[ruleDescriptor.tokenLabels,
ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleLabels]
: {it |<it.label.text> = NULL;}; separator="\n"
>
<[ruleDescriptor.tokenListLabels,
ruleDescriptor.ruleListLabels,
ruleDescriptor.ruleListLabels]
: {it |list_<it.label.text>->free(list_<it.label.text>);}; separator="\n"
>
>>

```

```

ruleReturnValue() ::= <%
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasReturnValue)>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnName>
<else>
retval
<endif>
<endif>
<endif>

```

```

<endif>
%>

memoize() ::= <<
<if(memoize)>
<if(backtracking)>
if (BACKTRACKING>0) { MEMOIZE(<ruleDescriptor.index>, <ruleDescriptor.name>_StartIndex); }
<endif>
<endif>
>>

ruleCleanUp() ::= <<

// This is where rules clean up and exit
//
goto rule<ruleDescriptor.name>Ex; /* Prevent compiler warnings */
rule<ruleDescriptor.name>Ex; ;
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!TREE_PARSER)>
<if(!ruleDescriptor.isSynPred)>
retval.stop = LT(-1);<\n>
<endif>
<endif>
<endif>
>>

scopeClean() ::= <<
<ruleDescriptor.useScopes:{it |<scopePop(it)>}; separator="\n">
<ruleDescriptor.ruleScope:{it |<scopePop(it.name)>}; separator="\n">

>>

/** How to generate a rule in the lexer; naked blocks are used for
 * fragment rules, which do not produce tokens.
 */
lexerRule(ruleName,nakedBlock,ruleDescriptor,block,memoize) ::= <<
// Comes from: <block.description>
/** \brief Lexer rule generated by ANTLR3
 *
 * $ANTLR start <ruleName>
 *
 * Looks to match the characters the constitute the token <ruleName>
 * from the attached input stream.
 *
 *
 * \remark
 * - lexer->error == ANTLR3_TRUE if an exception was thrown.
 */
static ANTLR3_INLINE

```

```

void m<ruleName>(p<name> ctx<if(ruleDescriptor.parameterScope)>,
<endif><ruleDescriptor.parameterScope:parameterScope()>
{
 ANTLR3_UINT32 _type;
 <ruleDeclarations()>
 <ruleDescriptor.actions.declarations>
 <lexerRuleLabelDefs()>
 <if(trace)>System.out.println("enter <ruleName> "+(char)LA(1)+"
line="+GETLINE()+": "+GETCHARPOSITIONINLINE()+" failed="+failed+"
backtracking="+BACKTRACKING);<endif>

<if(nakedBlock)>
 <ruleMemoization(rname=ruleName)>
 <lexerRuleLabelInit()>
 <ruleDescriptor.actions.init>

 <block><\n>
<else>
 <ruleMemoization(rname=ruleName)>
 <lexerRuleLabelInit()>
 _type = <ruleName>;

 <ruleDescriptor.actions.init>

 <block>
 LEXSTATE->type = _type;
<endif>
 <if(trace)> ANTLR3_FPRINTF(stderr, "exit <ruleName> '%c' line=%d:%d failed = %d, backtracking
=%d\n",LA(1),GETLINE(),GETCHARPOSITIONINLINE(),failed,BACKTRACKING);<endif>
 <ruleCleanUp()>
 <lexerRuleLabelFree()>
 <(ruleDescriptor.actions.after):execAfter()>
 <memoize>
}
// $ANTLR end <ruleName>
>>

/** How to generate code for the implicitly-defined lexer grammar rule
 * that chooses between lexer rules.
 */
tokensRule(ruleName,nakedBlock,args,block,ruleDescriptor) ::= <<
/** This is the entry point in to the lexer from an object that
 * wants to generate the next token, such as a pCOMMON_TOKEN_STREAM
 */
static void
mTokens(p<name> ctx)
{
 <block><\n>

```

```

 goto ruleTokensEx; /* Prevent compiler warnings */
ruleTokensEx: ;
}
>>

// S U B R U L E S

/** A (...) subrule with multiple alternatives */
block(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<

// <fileName>:<description>
{
 int alt<decisionNumber>=<maxAlt>;
 <decls>
 <@predecision()>
 <decision>
 <@postdecision()>
 <@prebranch()>
 switch (alt<decisionNumber>)
 {
 <alts:{ a | <altSwitchCase(i,a)> }>
 }
 <@postbranch()>
}
>>

/** A rule block with multiple alternatives */
ruleBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
{
 // <fileName>:<description>

 ANTLR3_UINT32 alt<decisionNumber>;

 alt<decisionNumber>=<maxAlt>;

 <decls>
 <@predecision()>
 <decision>
 <@postdecision()>
 switch (alt<decisionNumber>)
 {
 <alts:{ a | <altSwitchCase(i,a)> }>
 }
}
>>

ruleBlockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<

```

```

// <fileName>:<description>
<decls>
<@prealt()>
<alts>
<@postalt()>
>>

/** A special case of a (...) subrule with a single alternative */
blockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
// <fileName>:<description>
<decls>
<@prealt()>
<alts>
<@postalt()>
>>

/** A (..)+ block with 1 or more alternatives */
positiveClosureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
// <fileName>:<description>
{
 int cnt<decisionNumber>=0;
 <decls>
 <@preloop()>

 for (;;)
 {
 int alt<decisionNumber>=<maxAlt>;
 <@predecision()>
 <decision>
 <@postdecision()>
 switch (alt<decisionNumber>)
 {
 <alts:{a | <altSwitchCase(i,a)>}>
 default:

 if (cnt<decisionNumber> >= 1)
 {
 goto loop<decisionNumber>;
 }
 <ruleBacktrackFailure()>
 <earlyExitEx()>
 <@earlyExitException()>
 goto rule<ruleDescriptor.name>Ex;
 }
 cnt<decisionNumber>++;
 }
 loop<decisionNumber>; /* Jump to here if this rule does not match */
}

```



```

 <@postloop()>
}
>>

earlyExitEx() ::= <<
/* mismatchedSetEx()
*/
CONSTRUCTEX();
EXCEPTION->type = ANTLR3_EARLY_EXIT_EXCEPTION;
EXCEPTION->name = (void *)ANTLR3_EARLY_EXIT_NAME;
<\n>
>>
positiveClosureBlockSingleAlt ::= positiveClosureBlock

/** A (..)* block with 1 or more alternatives */
closureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::=
<<

// <fileName>:<description>
<decls>

<@preloop()>
for (;;)
{
 int alt<decisionNumber>=<maxAlt>;
 <@predecision()>
 <decision>
 <@postdecision()>
 switch (alt<decisionNumber>)
 {
 <alts:{a | <altSwitchCase(i,a)>}>
 default:
 goto loop<decisionNumber>; /* break out of the loop */
 break;
 }
}
loop<decisionNumber>; /* Jump out to here if this rule does not match */
<@postloop()>
>>

closureBlockSingleAlt ::= closureBlock

/** Optional blocks (x)? are translated to (x|) by antlr before code generation
* so we can just use the normal block template
*/
optionalBlock ::= block

optionalBlockSingleAlt ::= block

```

```

/** A case in a switch that jumps to an alternative given the alternative
 * number. A DFA predicts the alternative and then a simple switch
 * does the jump to the code that actually matches that alternative.
 */
altSwitchCase(altNum,alt) ::= <<
case <altNum>:
 <@prealt()>
 <alt>
 break;<\n>
>>

/** An alternative is just a list of elements; at outermost level */
alt(elements,altNum,description,autoAST,outerAlt,treeLevel,rew) ::= <<
// <fileName>:<description>
{
 <@declarations()>
 <@initializations()>
 <elements:element()>
 <rew>
 <@cleanup()>
}
>>

// E L E M E N T S
/** What to emit when there is no rewrite. For auto build
 * mode, does nothing.
 */
noRewrite(rewriteBlockLevel, treeLevel) ::= ""

/** Dump the elements one per line */
element(e) ::= <<
<@prematch()>
<e.el><\n>
>>

/** match a token optionally with a label in front */
tokenRef(token,label,elementIndex,terminalOptions) ::= <<
<if(label)><label> = (<labelType>)<endif> MATCHT(<token>,
&FOLLOW_<token>_in_<ruleName><elementIndex>);
<checkRuleBacktrackFailure()>
>>

/** ids+=ID */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRef(...)>
<listLabel(elem=label,...)>
>>

```

```

listLabel(label,elem) ::= <<
if (list_<label> == NULL)
{
 list_<label>=ctx->vectors->newVector(ctx->vectors);
}
list_<label>->add(list_<label>, <elem>, NULL);
>>

/** match a character */
charRef(char,label) ::= <<
<if(label)>
<label> = LA(1);<\n>
<endif>
MATCHC(<char>);
<checkRuleBacktrackFailure()>
>>

/** match a character range */
charRangeRef(a,b,label) ::= <<
<if(label)>
<label> = LA(1);<\n>
<endif>
MATCHRANGE(<a>,);
<checkRuleBacktrackFailure()>
>>

/** For now, sets are interval tests and must be tested inline */
matchSet(s,label,elementIndex,terminalOptions,postmatchCode="") ::= <<
<if(label)>
<if(LEXER)>
<label>= LA(1);<\n>
<else>
<label>=(<labelType>)LT(1);<\n>
<endif>
<endif>
if (<s>)
{
 CONSUME();
 <postmatchCode>
<if(!LEXER)>
 PERRORRECOVERY=ANTLR3_FALSE;
<endif>
 <if(backtracking)>FAILEDFLAG=ANTLR3_FALSE;<\n><endif>
}
else
{

```

```

 <ruleBacktrackFailure()>
 <mismatchedSetEx()>
 <@mismatchedSetException()>
<if(LEXER)>
 LRECOVER();
<else>
 RECOVERFROMMISMATCHEDSET(&FOLLOW_set_in_<ruleName><elementIndex>);
<endif>
 goto rule<ruleDescriptor.name>Ex;
}<\n>
>>

```

```

mismatchedSetEx() ::= <<
CONSTRUCTEX();
EXCEPTION->type = ANTLR3_MISMATCHED_SET_EXCEPTION;
EXCEPTION->name = (void *)ANTLR3_MISMATCHED_SET_NAME;
<if(PARSER)>
EXCEPTION->expectingSet = &FOLLOW_set_in_<ruleName><elementIndex>;
<endif>
>>

```

```

matchRuleBlockSet ::= matchSet

```

```

matchSetAndListLabel(s,label,elementIndex,postmatchCode) ::= <<
<matchSet(...)>
<listLabel(elem=label,...)>
>>

```

```

/** Match a string literal */
lexerStringRef(string,label,elementIndex) ::= <<
<if(label)>
<label>Start = GETCHARINDEX();
MATCHS(<string>);
<checkRuleBacktrackFailure()>
<label> = LEXSTATE->tokFactory->newToken(LEXSTATE->tokFactory);
<label>->setType(<label>, ANTLR3_TOKEN_INVALID);
<label>->setStartIndex(<label>, <label>Start);
<label>->setStopIndex(<label>, GETCHARINDEX()-1);
<label>->input = INPUT->tstream->istream;
<else>
MATCHS(<string>);
<checkRuleBacktrackFailure()><\n>
<endif>
>>

```

```

wildcard(token,label,elementIndex,terminalOptions) ::= <<
<if(label)>
<label>=(<labelType>)LT(1);<\n>

```

```

<endif>
MATCHANYT();
<checkRuleBacktrackFailure()>
>>

wildcardAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<wildcard(...)>
<listLabel(elem=label,...)>
>>

/** Match . wildcard in lexer */
wildcardChar(label, elementIndex) ::= <<
<if(label)>
<label> = LA(1);<\n>
<endif>
MATCHANY();
<checkRuleBacktrackFailure()>
>>

wildcardCharListLabel(label, elementIndex) ::= <<
<wildcardChar(...)>
<listLabel(elem=label,...)>
>>

/** Match a rule reference by invoking it possibly with arguments
 * and a return value or values. The 'rule' argument was the
 * target rule name, but now is type Rule, whose toString is
 * same: the rule name. Now though you can access full rule
 * descriptor stuff.
 */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
FOLLOWPUSH(FOLLOW_<rule.name>_in_<ruleName><elementIndex>);
<if(label)><label>=<endif><if(scope)>ctx-><scope:delegateName()-><endif><rule.name>(ctx<if(scope)->
-><scope:delegateName()-><endif><if(args)>, <args; separator=","><endif>);<\n>
FOLLOWPOP();
<checkRuleBacktrackFailure()>
>>

/** ids+=1 */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabel(elem=label,...)>
>>

/** A lexer rule reference
 * The 'rule' argument was the target rule name, but now
 * is type Rule, whose toString is same: the rule name.
 * Now though you can access full rule descriptor stuff.

```

```

*/
lexerRuleRef(rule,label,args,elementIndex,scope) ::= <<
/* <description> */
<if(label)>
{
 ANTLR3_MARKER <label>Start<elementIndex> = GETCHARINDEX();
 <if(scope)>ctx-><scope:delegateName()-><endif>m<rule.name>(ctx<if(scope)>-
><scope:delegateName()-><endif> <if(args)>, <endif><args; separator=", ">;
 <checkRuleBacktrackFailure()->
 <label> = LEXSTATE->tokFactory->newToken(LEXSTATE->tokFactory);
 <label>->setType(<label>, ANTLR3_TOKEN_INVALID);
 <label>->setStartIndex(<label>, <label>Start<elementIndex>);
 <label>->setStopIndex(<label>, GETCHARINDEX()-1);
 <label>->input = INPUT;
}
<else>
<if(scope)>ctx-><scope:delegateName()-><endif>m<rule.name>(ctx<if(scope)>-
><scope:delegateName()-><endif> <if(args)>, <endif><args; separator=", ">;
<checkRuleBacktrackFailure()->
<endif>
>>

/** i+=INT in lexer */
lexerRuleRefAndListLabel(rule,label,args,elementIndex,scope) ::= <<
<lexerRuleRef(...)>
<listLabel(elem=label,...)>
>>

/** EOF in the lexer */
lexerMatchEOF(label,elementIndex) ::= <<
<if(label)>
{
 ANTLR3_UINT32 <label>Start<elementIndex>;
 <labelType> <label>;
 <label>Start<elementIndex> = GETCHARINDEX();
 MATCHC(ANTLR3_CHARSTREAM_EOF);
 <checkRuleBacktrackFailure()->
 <label> = LEXSTATE->tokFactory->newToken(LEXSTATE->tokFactory);
 <label>->setType(<label>, ANTLR3_TOKEN_EOF);
 <label>->setStartIndex(<label>, <label>Start<elementIndex>);
 <label>->setStopIndex(<label>, GETCHARINDEX()-1);
 <label>->input = INPUT->tstream->istream;
}
<else>
 MATCHC(ANTLR3_CHARSTREAM_EOF);
 <checkRuleBacktrackFailure()->
 <endif>
>>

```

```

// used for left-recursive rules
recRuleDefArg() ::= "int <recRuleArg(>"
recRuleArg() ::= "_p"
recRuleAltPredicate(ruleName,opPrec) ::= "<recRuleArg(> |<= <opPrec>"
recRuleSetResultAction() ::= "root_0=$<ruleName>_primary.tree;"
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>;"

/** match ^(root children) in tree parser */
tree(root, actionsAfterRoot, children, nullableChildList, enclosingTreeLevel, treeLevel) ::= <<
<root:element(>
<actionsAfterRoot:element(>
<if(nullableChildList)>
if (LA(1)==ANTLR3_TOKEN_DOWN) {
 MATCHT(ANTLR3_TOKEN_DOWN, NULL);
 <checkRuleBacktrackFailure(>
 <children:element(>
 MATCHT(ANTLR3_TOKEN_UP, NULL);
 <checkRuleBacktrackFailure(>
}
<else>
MATCHT(ANTLR3_TOKEN_DOWN, NULL);
<checkRuleBacktrackFailure(>
<children:element(>
MATCHT(ANTLR3_TOKEN_UP, NULL);
<checkRuleBacktrackFailure(>
<endif>
>>

/** Every predicate is used as a validating predicate (even when it is
* also hoisted into a prediction expression).
*/
validateSemanticPredicate(pred,description) ::= <<
if (!(<evalPredicate(...)>)
{
 <ruleBacktrackFailure(>
 <newFPE(...)>
}
>>

newFPE() ::= <<
 CONSTRUCTEX();
 EXCEPTION->type = ANTLR3_FAILED_PREDICATE_EXCEPTION;
 EXCEPTION->message = (void *)"<description>";
 EXCEPTION->ruleName = (void *)"<ruleName>";
 <\n>
>>

```

```

// F i x e d D F A (if-then-else)

dfaState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<

{
 int LA<decisionNumber>_<stateNumber> = LA(<k>);
 <edges; separator="\nelse ">
 else
 {
<if(eotPredictsAlt)>
 alt<decisionNumber>=<eotPredictsAlt>;
<else>
 <ruleBacktrackFailure()>

 <newNVException()>
 goto rule<ruleDescriptor.name>Ex;

<endif>
 }
}
>>

newNVException() ::= <<
CONSTRUCTEX();
EXCEPTION->type = ANTLR3_NO_VIABLE_ALT_EXCEPTION;
EXCEPTION->message = (void *)"<description>";
EXCEPTION->decisionNum = <decisionNumber>;
EXCEPTION->state = <stateNumber>;
<@noViableAltException()>
<\n>
>>

/** Same as a normal DFA state except that we don't examine lookahead
 * for the bypass alternative. It delays error detection but this
 * is faster, smaller, and more what people expect. For (X)? people
 * expect "if (LA(1)==X) match(X);" and that's it.
 */
dfaOptionalBlockState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
{
 int LA<decisionNumber>_<stateNumber> = LA(<k>);
 <edges; separator="\nelse ">
}
>>

/** A DFA state that is actually the loopback decision of a closure
 * loop. If end-of-token (EOT) predicts any of the targets then it
 * should act like a default clause (i.e., no error can be generated).
 * This is used only in the lexer so that for ('a')* on the end of a rule

```



```

* anything other than 'a' predicts exiting.
*/

dfaLoopbackStateDecls() ::= <<
ANTLR3_UINT32 LA<decisionNumber>_<stateNumber>;
>>

dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
{
/* dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState)
*/
int LA<decisionNumber>_<stateNumber> = LA(<k>);
<edges; separator="\nelse "><<\n>
<if(eotPredictsAlt)>
<if(!edges)>
alt<decisionNumber>=<eotPredictsAlt>; <! if no edges, don't gen ELSE !>
<else>
else
{
alt<decisionNumber>=<eotPredictsAlt>;
}<\n>
<endif>
<endif>
}
>>

/** An accept state indicates a unique alternative has been predicted */
dfaAcceptState(alt) ::= "alt<decisionNumber>=<alt>";

/** A simple edge with an expression. If the expression is satisfied,
* enter to the target state. To handle gated productions, we may
* have to evaluate some predicates for this edge.
*/
dfaEdge(labelExpr, targetState, predicates) ::= <<
if (<if(predicates)><predicates> && <endif><(<labelExpr>))
{
<targetState>
}
>>

// F i x e d D F A (switch case)

/** A DFA state where a SWITCH may be generated. The code generator
* decides if this is possible: CodeGenerator.canGenerateSwitch().
*/
dfaStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch (LA(<k>))
{
<edges; separator="\n">

```

```

default:
<if(eotPredictsAlt)>
 alt<decisionNumber>=<eotPredictsAlt>;
<else>
 <ruleBacktrackFailure()>
 <newNVException()>
 goto rule<ruleDescriptor.name>Ex;<\n>
<endif>
}<\n>
>>

dfaOptionalBlockStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch (LA(<k>)
{
 <edges; separator="\n">
}<\n>
>>

dfaLoopbackStateSwitch(k, edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch (LA(<k>)
{
<edges; separator="\n"><\n>
<if(eotPredictsAlt)>
default:
 alt<decisionNumber>=<eotPredictsAlt>;
 break;<\n>
<endif>
}<\n>
>>

dfaEdgeSwitch(labels, targetState) ::= <<
<labels:{it |case <it>:}; separator="\n">
{
 <targetState>
}
 break;
>>

// C y c l i c D F A

/** The code to initiate execution of a cyclic DFA; this is used
 * in the rule to predict an alt just like the fixed DFA case.
 * The <name> attribute is inherited via the parser, lexer, ...
 */
dfaDecision(decisionNumber,description) ::= <<
alt<decisionNumber> = cdfa<decisionNumber>.predict(ctx, RECOGNIZER, ISTREAM,
&cdfa<decisionNumber>);

```

```

<checkRuleBacktrackFailure()>
>>

/* Dump DFA tables as static initialized arrays of shorts(16 bits)/characters(8 bits)
 * which are then used to statically initialize the dfa structure, which means that there
 * is no runtime initialization whatsoever, other than anything the C compiler might
 * need to generate. In general the C compiler will lay out memory such that there is no
 * runtime code required.
 */
cyclicDFA(dfa) ::= <<
/** Static dfa state tables for Cyclic dfa:
 * <dfa.description>
 */
static const ANTLR3_INT32 dfa<dfa.decisionNumber>_eot[<dfa.numberofStates>] =
{
<dfa.eot; wrap="\n", separator=", ", null="-1">
};
static const ANTLR3_INT32 dfa<dfa.decisionNumber>_eof[<dfa.numberofStates>] =
{
<dfa.eof; wrap="\n", separator=", ", null="-1">
};
static const ANTLR3_INT32 dfa<dfa.decisionNumber>_min[<dfa.numberofStates>] =
{
<dfa.min; wrap="\n", separator=", ", null="-1">
};
static const ANTLR3_INT32 dfa<dfa.decisionNumber>_max[<dfa.numberofStates>] =
{
<dfa.max; wrap="\n", separator=", ", null="-1">
};
static const ANTLR3_INT32 dfa<dfa.decisionNumber>_accept[<dfa.numberofStates>] =
{
<dfa.accept; wrap="\n", separator=", ", null="-1">
};
static const ANTLR3_INT32 dfa<dfa.decisionNumber>_special[<dfa.numberofStates>] =
{
<dfa.special; wrap="\n", separator=", ", null="-1">
};

/** Used when there is no transition table entry for a particular state */
#define dfa<dfa.decisionNumber>_T_empty NULL

<dfa.edgeTransitionClassMap.keys:{ table |
static const ANTLR3_INT32 dfa<dfa.decisionNumber>_T<i0>[] =
{
<table; separator=", ", wrap="\n", null="-1">
\};}; null = "">

/* Transition tables are a table of sub tables, with some tables

```

```

* reused for efficiency.
*/
static const ANTLR3_INT32 * const dfa<dfa.decisionNumber>_transitions[] =
{
 <dfa.transitionEdgeTables:{ xref[dfa<dfa.decisionNumber>_T<xref>}]; separator=" ", wrap="\n", null="_empty">
};

<if(dfa.specialStateSTs)>
static ANTLR3_INT32 dfa<dfa.decisionNumber>_sst(p<name> ctx, pANTLR3_BASE_RECOGNIZER recognizer,
pANTLR3_INT_STREAM is, pANTLR3_CYCLIC_DFA dfa, ANTLR3_INT32 s)
{
 ANTLR3_INT32 _s;

 _s = s;
 switch (s)
 {
 <dfa.specialStateSTs:{ state |
 case <i0>:

 <state> }; separator="\n">
 }
 <if(backtracking)>
 if (BACKTRACKING > 0)
 {
 FAILEDFLAG = ANTLR3_TRUE;
 return -1;
 }
 <endif>

 CONSTRUCTEX();
 EXCEPTION->type = ANTLR3_NO_VIABLE_ALT_EXCEPTION;
 EXCEPTION->message = (void *)"<dfa.description>";
 EXCEPTION->decisionNum = <dfa.decisionNumber>;
 EXCEPTION->state = _s;
 <@noViableAltException()>
 return -1;
}
<endif>

<@errorMethod()>

/* Declare tracking structure for Cyclic DFA <dfa.decisionNumber>
*/
static
ANTLR3_CYCLIC_DFA cdfa<dfa.decisionNumber>
= {
 <dfa.decisionNumber>, /* Decision number of this dfa */
 /* Which decision this represents: */

```

```

 (const pANTLR3_UCHAR)"<dfa.description>",
<if(dfa.specialStateSTs)>
 (CDFA_SPECIAL_FUNC) dfa<dfa.decisionNumber>_sst,
<else>
 (CDFA_SPECIAL_FUNC) antlr3dfaspecialStateTransition, /* Default special state transition function */
<endif>

 antlr3dfaspecialTransition, /* DFA specialTransition is currently just a default function in the runtime */
 antlr3dfapredict, /* DFA simulator function is in the runtime */
 dfa<dfa.decisionNumber>_eot, /* EOT table */
 dfa<dfa.decisionNumber>_eof, /* EOF table */
 dfa<dfa.decisionNumber>_min, /* Minimum tokens for each state */
 dfa<dfa.decisionNumber>_max, /* Maximum tokens for each state */
 dfa<dfa.decisionNumber>_accept, /* Accept table */
 dfa<dfa.decisionNumber>_special, /* Special transition states */
 dfa<dfa.decisionNumber>_transitions /* Table of transition tables */

};
/* End of Cyclic DFA <dfa.decisionNumber>
* -----
*/
>>

/** A state in a cyclic DFA; it's a special state and part of a big switch on
* state.
*/
cyclicDFAState(decisionNumber,stateNumber,edges,needErrorClause,semPredState) ::= <<
{
 ANTLR3_UINT32 LA<decisionNumber>_<stateNumber>;<\n>
 ANTLR3_MARKER index<decisionNumber>_<stateNumber>;<\n>

 LA<decisionNumber>_<stateNumber> = LA(1);<\n>
 <if(semPredState)> <! get next lookahead symbol to test edges, then rewind !>
 index<decisionNumber>_<stateNumber> = INDEX();<\n>
 REWINDLAST();<\n>
 <endif>
 s = -1;
 <edges; separator="\nelse ">
 <if(semPredState)> <! return input cursor to state before we rewound !>
 SEEK(index<decisionNumber>_<stateNumber>);<\n>
 <endif>
 if (s>=0)
 {
 return s;
 }
}
break;
>>

```

```

/** Just like a fixed DFA edge, test the lookahead and indicate what
 * state to jump to next if successful.
 */
cyclicDFAEdge(labelExpr, targetStateNumber, edgeNumber, predicates) ::= <<
if (<if(predicates)><predicates>) && <endif><labelExpr>)
{
 s = <targetStateNumber>;
}<\n>
>>

/** An edge pointing at end-of-token; essentially matches any char;
 * always jump to the target.
 */
eotDFAEdge(targetStateNumber,edgeNumber, predicates) ::= <<
s = <targetStateNumber>;<\n>
>>

// D F A E X P R E S S I O N S

andPredicates(left,right) ::= "((<left>) && (<right>))"

orPredicates(operands) ::= "(<operands:{o|(<o>)}; separator=\"||\">)"

notPredicate(pred) ::= "!(<evalPredicate(pred,{})>)"

evalPredicate(pred,description) ::= "<pred>"

evalSynPredicate(pred,description) ::= "<pred>(ctx)"

lookaheadTest(atom,k,atomAsInt) ::= "LA<decisionNumber>_<stateNumber> == <atom>"

/** Sometimes a lookahead test cannot assume that LA(k) is in a temp variable
 * somewhere. Must ask for the lookahead directly.
 */
isolatedLookaheadTest(atom,k,atomAsInt) ::= "LA(<k>) == <atom>"

lookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= <%
((LA<decisionNumber>_<stateNumber> >= <lower>) && (LA<decisionNumber>_<stateNumber> \<= <upper>))
%>

isolatedLookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= "((LA(<k>) >= <lower>) &&
(LA(<k>) \<= <upper>))"

setTest(ranges) ::= "<ranges; separator=\" || \">"

// A T T R I B U T E S

```

```

makeScopeSet() ::= <<
/* makeScopeSet()
*/
/** Definition of the <scope.name> scope variable tracking
* structure. An instance of this structure is created by calling
* <name>_<scope.name>Push().
*/
typedef struct <scopeStruct(sname=scope.name,...)>_struct
{
/** Function that the user may provide to be called when the
* scope is destroyed (so you can free pANTLR3_HASH_TABLES and so on)
*
* \param POinter to an instance of this typedef/struct
*/
void (ANTLR3_CDECL *free) (struct <scopeStruct(sname=scope.name,...)>_struct * frame);

/* =====
* Programmer defined variables...
*/
<scope.attributes:{it |<it.decl>;}; separator="\n">

/* End of programmer defined variables
* =====
*/
}
<scopeStruct(sname=scope.name,...)>, * <scopeType(sname=scope.name,...)>;

>>

globalAttributeScopeDecl(scope) ::= <<
<if(scope.attributes)>
/* globalAttributeScopeDecl(scope)
*/
<makeScopeSet(...)>
<endif>
>>

ruleAttributeScopeDecl(scope) ::= <<
<if(scope.attributes)>
/* ruleAttributeScopeDecl(scope)
*/
<makeScopeSet(...)>
<endif>
>>

globalAttributeScopeFuncDecl(scope) ::=
<<

```

```

/* globalAttributeScopeFuncDecl(scope)
*/
<if(scope.attributes)>
/* -----
* Function declaration for creating a <name>_<scope.name> scope set
*/
static <scopeType(sname=scope.name,...)> <scopePushName(sname=scope.name,...)>(p<name> ctx);
static void ANTLR3_CDECL <scope.name>Free(<scopeType(sname=scope.name)> scope);
/* ----- */

<endif>
>>

globalAttributeScopeFuncMacro(scope) ::= <<
<if(scope.attributes)>
/* globalAttributeScopeFuncMacro(scope)
*/
/** Function for popping the top value from a <scopeStack(sname=scope.name)>
*/
void
<scopePopName(sname=scope.name,...)>(p<name> ctx)
{
// First see if the user defined a function they want to be called when a
// scope is popped/freed.
//
// If the user supplied the scope entries with a free function, then call it first
//
if (SCOPE_TOP(<scope.name>)->free != NULL)
{
SCOPE_TOP(<scope.name>)->free(SCOPE_TOP(<scope.name>));
}

// Now we decrement the scope's upper limit bound. We do not actually pop the scope as
// we want to reuse scope entries if we do continuous push and pops. Most scopes don't
// next too far so we don't want to keep freeing and allocating them
//
ctx-><scopeStack(sname=scope.name,...)>_limit--;
SCOPE_TOP(<scope.name>) = (<scopeType(sname=scope.name)>)(ctx-><scopeStack(sname=scope.name,...)>-
>get(ctx-><scopeStack(sname=scope.name,...)>, ctx-><scopeStack(sname=scope.name,...)>_limit - 1));
}
<endif>
>>

ruleAttributeScopeFuncDecl(scope) ::= <<
<if(scope.attributes)>
/* ruleAttributeScopeFuncDecl(scope)
*/
/* -----

```



```

* Function declarations for creating a <name>_<scope.name> scope set
*/
static <scopeType(sname=scope.name,...)> <scopePushName(sname=scope.name,...)>(p<name> ctx);
static void ANTLR3_CDECL <scope.name>Free(<scopeType(sname=scope.name)> scope);
/* ----- */

<endif>
>>

ruleAttributeScopeFuncMacro(scope) ::= <<
<if(scope.attributes)>
/* ruleAttributeScopeFuncMacro(scope)
*/
/** Function for popping the top value from a <scopeStack(sname=scope.name,...)>
*/
void
<scopePopName(sname=scope.name,...)>(p<name> ctx)
{
 // First see if the user defined a function they want to be called when a
 // scope is popped/freed.
 //
 // If the user supplied the scope entries with a free function, then call it first
 //
 if (SCOPE_TOP(<scope.name>)->free != NULL)
 {
 SCOPE_TOP(<scope.name>)->free(SCOPE_TOP(<scope.name>));
 }

 // Now we decrement the scope's upper limit bound. We do not actually pop the scope as
 // we want to reuse scope entries if we do continuous push and pops. Most scopes don't
 // next too far so we don't want to keep freeing and allocating them
 //
 ctx-><scopeStack(sname=scope.name,...)>_limit--;
 SCOPE_TOP(<scope.name>) = (<scopeType(sname=scope.name)>)(ctx-><scopeStack(sname=scope.name,...)>-
>get(ctx-><scopeStack(sname=scope.name,...)>, ctx-><scopeStack(sname=scope.name,...)>_limit - 1));
}

<endif>
>>

globalAttributeScopeDef(scope) ::=
<<
/* globalAttributeScopeDef(scope)
*/
<if(scope.attributes)>
/** Pointer to the <scope.name> stack for use by <scopePushName(sname=scope.name)>()
* and <scopePopName(sname=scope.name,...)>()
*/

```

```

pANTLR3_STACK <scopeStack(sname=scope.name)>;
ANTLR3_UINT32 <scopeStack(sname=scope.name)>_limit;
/** Pointer to the top of the stack for the global scope <scopeStack(sname=scope.name)>
*/
<scopeType(sname=scope.name,...)> (*<scopePushName(sname=scope.name,...)>)(struct <name>_Ctx_struct *
ctx);
<scopeType(sname=scope.name,...)> <scopeTopDecl(sname=scope.name,...)>;

<endif>
>>

ruleAttributeScopeDef(scope) ::= <<
<if(scope.attributes)>
/* ruleAttributeScopeDef(scope)
*/
/** Pointer to the <scope.name> stack for use by <scopePushName(sname=scope.name)>()
* and <scopePopName(sname=scope.name,...)>()
*/
pANTLR3_STACK <scopeStack(sname=scope.name,...)>;
ANTLR3_UINT32 <scopeStack(sname=scope.name,...)>_limit;
<scopeType(sname=scope.name,...)> (*<scopePushName(sname=scope.name,...)>)(struct <name>_Ctx_struct *
ctx);
<scopeType(sname=scope.name,...)> <scopeTopDecl(sname=scope.name,...)>;

<endif>
>>

globalAttributeScopeFuncs(scope) ::= <<
<if(scope.attributes)>
/* globalAttributeScopeFuncs(scope)
*/
<attributeFuncs(scope)>
<endif>
>>

ruleAttributeScopeFuncs(scope) ::= <<
<if(scope.attributes)>
/* ruleAttributeScopeFuncs(scope)
*/
<attributeFuncs(scope)>
<endif>
>>

globalAttributeScope(scope) ::= <<
<if(scope.attributes)>
/* globalAttributeScope(scope)
*/
ctx-><scopePushName(sname=scope.name,...)> = <scopePushName(sname=scope.name,...)>;

```

```

ctx-><scopeStack(sname=scope.name,...)> = antlr3StackNew(0);
ctx-><scopeStack(sname=scope.name,...)>_limit = 0;
<scopeTop(sname=scope.name,...)> = NULL;
<endif>
>>

ruleAttributeScope(scope) ::=
<<
<if(scope.attributes)>
/* ruleAttributeScope(scope)
*/
ctx-><scopePushName(sname=scope.name,...)> = <scopePushName(sname=scope.name,...)>;
ctx-><scopeStack(sname=scope.name,...)> = antlr3StackNew(0);
ctx-><scopeStack(sname=scope.name,...)>_limit = 0;
<scopeTop(sname=scope.name,...)> = NULL;
<endif>
>>
globalAttributeScopeFree(scope) ::= <<
<if(scope.attributes)>
/* globalAttributeScope(scope)
*/
ctx-><scopeStack(sname=scope.name,...)>->free(ctx-><scopeStack(sname=scope.name,...)>);
<endif>
>>

ruleAttributeScopeFree(scope) ::=
<<
<if(scope.attributes)>
/* ruleAttributeScope(scope)
*/
ctx-><scopeStack(sname=scope.name,...)>->free(ctx-><scopeStack(sname=scope.name,...)>);
<endif>
>>

scopeTopDecl(sname) ::= <<
p<name>_<sname>Top
>>

scopeTop(sname) ::= <<
ctx-><scopeTopDecl(sname=sname,...)>
>>

scopePop(sname) ::= <<
<scopePopName(sname=sname,...)>(ctx);
>>

scopePush(sname) ::= <<
p<name>_<sname>Push(ctx)

```

>>

```
scopePopName(sname) ::= <<
p<name>_<sname>Pop
>>
```

```
scopePushName(sname) ::= <<
p<name>_<sname>Push
>>
```

```
scopeType(sname) ::= <<
p<name>_<sname>_SCOPE
>>
```

```
scopeStruct(sname) ::= <<
<name>_<sname>_SCOPE
>>
```

```
scopeStack(sname) ::= <<
p<name>_<sname>Stack
>>
```

```
attributeFuncs(scope) ::= <<
<if(scope.attributes)>
/* attributeFuncs(scope)
*/
```

```
static void ANTLR3_CDECL <scope.name>Free(<scopeType(sname=scope.name)> scope)
{
 ANTLR3_FREE(scope);
}
```

```
/** \brief Allocate initial memory for a <name> <scope.name> scope variable stack entry and
* add it to the top of the stack.
```

```
*
*
```

```
* \remark
```

```
* By default the structure is freed with ANTLR_FREE(), but you can use the
```

```
* the \@init action to install a pointer to a custom free() routine by
```

```
* adding the code:
```

```
* \code
```

```
* <scopeTop(sname=scope.name)>->free = myroutine;
```

```
* \endcode
```

```
*
*
```

```
* With lots of comments of course! The routine should be declared in
```

```
* \@members { } as:
```

```
* \code
```

```
* void ANTLR3_CDECL myfunc(<scopeType(sname=scope.name)> ptr).
```

```
* \endcode
```

```

*
* It should perform any custom freeing stuff that you need (call ANTLR_FREE3, not free())
* NB: It should not free the pointer it is given, which is the scope stack entry itself
* and will be freed by the function that calls your custom free routine.
*
*/
static <scopeType(sname=scope.name)>
<scopePushName(sname=scope.name)>(p<name> ctx)
{
 /* Pointer used to create a new set of attributes
 */
 <scopeType(sname=scope.name)> newAttributes;

 /* Allocate the memory for a new structure if we need one.
 */
 if (ctx-><scopeStack(sname=scope.name)>->size(ctx-><scopeStack(sname=scope.name)>) > ctx-
 ><scopeStack(sname=scope.name)>_limit)
 {
 // The current limit value was less than the number of scopes available on the stack so
 // we can just reuse one. Our limit tracks the stack count, so the index of the entry we want
 // is one less than that, or conveniently, the current value of limit.
 //
 newAttributes = (<scopeType(sname=scope.name)>)ctx-><scopeStack(sname=scope.name)>->get(ctx-
 ><scopeStack(sname=scope.name)>, ctx-><scopeStack(sname=scope.name)>_limit);
 }
 else
 {
 // Need a new allocation
 //
 newAttributes = (<scopeType(sname=scope.name)>)
 ANTLR3_MALLOC(sizeof(<scopeStruct(sname=scope.name)>));
 if (newAttributes != NULL)
 {
 /* Standard ANTLR3 library implementation
 */
 ctx-><scopeStack(sname=scope.name)>->push(ctx-><scopeStack(sname=scope.name)>, newAttributes,
 (void (*)(void *))<scope.name>Free);
 }
 }

 // Blank out any previous free pointer, the user might or might install a new one.
 //
 newAttributes->free = NULL;

 // Indicate the position in the available stack that the current level is at
 //
 ctx-><scopeStack(sname=scope.name)>_limit++;
}

```

```

/* Return value is the pointer to the new entry, which may be used locally
 * without de-referencing via the context.
 */
return newAttributes;
}<\n>

<endif>
>>
returnStructName(r) ::= "<r.name>_return"

returnType() ::= <%
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasMultipleReturnValues)>
<ruleDescriptor.grammar.recognizerName>_<ruleDescriptor:returnStructName()>
<else>
<if(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnType>
<else>
void
<endif>
<endif>
<else>
ANTLR3_BOOLEAN
<endif>
%>

/** Generate the C type associated with a single or multiple return
 * value(s).
 */
ruleLabelType(referencedRule) ::= <%
<if(referencedRule.hasMultipleReturnValues)>
<referencedRule.grammar.recognizerName>_<referencedRule.name>_return
<else>
<if(referencedRule.hasSingleReturnValue)>
<referencedRule.singleValueReturnType>
<else>
void
<endif>
<endif>
%>

delegateName(d) ::= <<
<if(d.label)><d.label><else>g<it.name><endif>
>>

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "0".
 */

```

```

initValue(typeName) ::= <<
= <<TypeInitMap.(typeName)>
>>

/** Define a rule label */
ruleLabelDef(label) ::= <<
<ruleLabelType(referencedRule=label.referencedRule)> <label.label.text>;
#undef RETURN_TYPE_<label.label.text>
#define RETURN_TYPE_<label.label.text> <ruleLabelType(referencedRule=label.referencedRule)><\n>
>>
/** Rule label default value */
ruleLabelInitVal(label) ::= <<
>>

ASTLabelType() ::=
"<if(recognizer.ASTLabelType)><recognizer.ASTLabelType><else>pANTLR3_BASE_TREE<endif>"

/** Define a return struct for a rule if the code needs to access its
 * start/stop tokens, tree stuff, attributes, ... Leave a hole for
 * subgroups to stick in members.
 */
returnScope(scope) ::= <<
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasMultipleReturnValues)>
typedef struct <ruleDescriptor.grammar.recognizerName>_<ruleDescriptor:returnStructName()>_struct
{
<if(!TREE_PARSER)>
/** Generic return elements for ANTLR3 rules that are not in tree parsers or returning trees
 */
pANTLR3_COMMON_TOKEN start;
pANTLR3_COMMON_TOKEN stop;
<else>
<recognizer.ASTLabelType> start;
<recognizer.ASTLabelType> stop;
<endif>
<@ruleReturnMembers()>
<ruleDescriptor.returnScope.attributes:{it |<it.type> <it.name>;}; separator="\n">
}
<ruleDescriptor.grammar.recognizerName>_<ruleDescriptor:returnStructName()>;<\n><\n>
<endif>
<endif>
>>

parameterScope(scope) ::= <<
<scope.attributes:{it |<it.decl>}; separator=", ">
>>

parameterAttributeRef(attr) ::= "<attr.name>"

```

```

parameterSetAttributeRef(attr,expr) ::= "<attr.name>=<expr>";

/** Note that the scopeAttributeRef does not have access to the
 * grammar name directly
 */
scopeAttributeRef(scope,attr,index,negIndex) ::= <%
<if(negIndex)>
((SCOPE_TYPE(<scope>))(ctx->SCOPE_STACK(<scope>)->get(ctx->SCOPE_STACK(<scope>), ctx-
>SCOPE_STACK(<scope>)->size(ctx->SCOPE_STACK(<scope>)) - <negIndex> - 1))-><attr.name>
<else>
<if(index)>
((SCOPE_TYPE(<scope>))(ctx->SCOPE_STACK(<scope>)->get(ctx->SCOPE_STACK(<scope>),
(ANTLR3_UINT32)<index>)))-><attr.name>
<else>
(SCOPE_TOP(<scope>))-><attr.name>
<endif>
<endif>
%>

scopeSetAttributeRef(scope,attr,expr,index,negIndex) ::= <%
<if(negIndex)>
((SCOPE_TYPE(<scope>))(ctx->SCOPE_STACK(<scope>)->get(ctx->SCOPE_STACK(<scope>), ctx-
>SCOPE_STACK(<scope>)->size(ctx->SCOPE_STACK(<scope>)) - <negIndex> - 1))-><attr.name> = <expr>;
<else>
<if(index)>
((SCOPE_TYPE(<scope>))(ctx->SCOPE_STACK(<scope>)->get(ctx->SCOPE_STACK(<scope>),
(ANTLR3_UINT32)<index>)))-><attr.name> = <expr>;
<else>
(SCOPE_TOP(<scope>))-><attr.name>=<expr>;
<endif>
<endif>
%>

/** $x is either global scope or x is rule with dynamic scope; refers
 * to stack itself not top of stack. This is useful for predicates
 * like {$function.size(>0 && $function::name.equals("foo"))?
 */
isolatedDynamicScopeRef(scope) ::= "ctx->SCOPE_STACK(<scope>)"

/** reference an attribute of rule; might only have single return value */
ruleLabelRef(referencedRule,scope,attr) ::= <<
<if(referencedRule.hasMultipleReturnValues)>
<scope>.<attr.name>
<else>
<scope>
<endif>
>>

```



```

returnAttributeRef(ruleDescriptor,attr) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name>
<else>
<attr.name>
<endif>
>>

returnSetAttributeRef(ruleDescriptor,attr,expr) ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name>=<expr>;
<else>
<attr.name>=<expr>;
<endif>
>>

/** How to translate $tokenLabel */
tokenLabelRef(label) ::= "<label>"

/** ids+=ID {$ids} or e+=expr {$e} */
listLabelRef(label) ::= "list_<label>"

// not sure the next are the right approach
//
tokenLabelPropertyRef_text(scope,attr) ::= "(<scope>->getText(<scope>))"
tokenLabelPropertyRef_type(scope,attr) ::= "(<scope>->getType(<scope>))"
tokenLabelPropertyRef_line(scope,attr) ::= "(<scope>->getLine(<scope>))"
tokenLabelPropertyRef_pos(scope,attr) ::= "(<scope>->getCharPositionInLine(<scope>))"
tokenLabelPropertyRef_channel(scope,attr) ::= "(<scope>->getChannel(<scope>))"
tokenLabelPropertyRef_index(scope,attr) ::= "(<scope>->getTokenIndex(<scope>))"
tokenLabelPropertyRef_tree(scope,attr) ::= "(<scope>->tree)"
tokenLabelPropertyRef_int(scope,attr) ::= "(<scope>->getText(<scope>->toInt32(<scope>->getText(<scope>)))"

ruleLabelPropertyRef_start(scope,attr) ::= "<scope>.start"
ruleLabelPropertyRef_stop(scope,attr) ::= "<scope>.stop"
ruleLabelPropertyRef_tree(scope,attr) ::= "<scope>.tree"
ruleLabelPropertyRef_text(scope,attr) ::= <<
<if(TREE_PARSER)>
(STRSTREAM->toStringSS(STRSTREAM, <scope>.start, <scope>.start))
<else>
(STRSTREAM->toStringTT(STRSTREAM, <scope>.start, <scope>.stop))
<endif>
>>

ruleLabelPropertyRef_st(scope,attr) ::= "<scope>.st"

/** Isolated $RULE ref ok in lexer as it's a Token */

```

```

lexerRuleLabel(label) ::= "<label>"

lexerRuleLabelPropertyRef_type(scope,attr) ::= "(<scope>->getType(<scope>))"
lexerRuleLabelPropertyRef_line(scope,attr) ::= "(<scope>->getLine(<scope>))"
lexerRuleLabelPropertyRef_pos(scope,attr) ::= "(<scope>->getCharPositionInLine(<scope>))"
lexerRuleLabelPropertyRef_channel(scope,attr) ::= "(<scope>->getChannel(<scope>))"
lexerRuleLabelPropertyRef_index(scope,attr) ::= "(<scope>->getTokenIndex(<scope>))"
lexerRuleLabelPropertyRef_text(scope,attr) ::= "(<scope>->getText(<scope>))"

// Somebody may ref $template or $tree or $stop within a rule:
rulePropertyRef_start(scope,attr) ::= "retval.start"
rulePropertyRef_stop(scope,attr) ::= "retval.stop"
rulePropertyRef_tree(scope,attr) ::= "retval.tree"
rulePropertyRef_text(scope,attr) ::= <<
<if(TREE_PARSER)>
INPUT->toStringSS(INPUT, ADAPTOR->getTokenStartIndex(ADAPTOR, retval.start), ADAPTOR-
>getTokenStopIndex(ADAPTOR, retval.start))
<else>
STRSTREAM->toStringTT(STRSTREAM, retval.start, LT(-1))
<endif>
>>
rulePropertyRef_st(scope,attr) ::= "retval.st"

lexerRulePropertyRef_text(scope,attr) ::= "LEXER->getText(LEXER)"
lexerRulePropertyRef_type(scope,attr) ::= "_type"
lexerRulePropertyRef_line(scope,attr) ::= "LEXSTATE->tokenStartLine"
lexerRulePropertyRef_pos(scope,attr) ::= "LEXSTATE->tokenStartCharPositionInLine"
lexerRulePropertyRef_channel(scope,attr) ::= "LEXSTATE->channel"
lexerRulePropertyRef_start(scope,attr) ::= "LEXSTATE->tokenStartCharIndex"
lexerRulePropertyRef_stop(scope,attr) ::= "(LEXER->getCharIndex(LEXER)-1)"
lexerRulePropertyRef_index(scope,attr) ::= "-1" // undefined token index in lexer
lexerRulePropertyRef_int(scope,attr) ::= "LEXER->getText(LEXER)->toInt32(LEXER->getText(LEXER))"

// setting $st and $tree is allowed in local rule. everything else is flagged as error
ruleSetPropertyRef_tree(scope,attr,expr) ::= "retval.tree=<expr>;"
ruleSetPropertyRef_st(scope,attr,expr) ::= "retval.st=<expr>;"

/** How to deal with an @after for C targets. Because we cannot rely on
 * any garbage collection, after code is executed even in backtracking
 * mode. Must be documented clearly.
 */
execAfter(action) ::= <<
{
 <action>
}
>>

```

```

/** How to execute an action (when not backtracking) */
execAction(action) ::= <<
<if(backtracking)>
<if(actions.(actionScope).synpredgate)>
if (<actions.(actionScope).synpredgate>)
{
 <action>
}
<else>
if (BACKTRACKING == 0)
{
 <action>
}
<endif>
<else>
{
 <action>
}
<endif>
>>

// M I S C (properties, etc...)

bitsetDeclare(name, words64) ::= <<

/** Bitset defining follow set for error recovery in rule state: <name> */
static ANTLR3_BITWORD <name>_bits[] = { <words64:{it |ANTLR3_UINT64_LIT(<it>)}; separator=", "> };
static ANTLR3_BITSET_LIST <name> = { <name>_bits, <length(words64)> };
>>

bitset(name, words64) ::= <<
antlr3BitsetSetAPI(&<name>);<\n>
>>

codeFileExtension() ::= ".c"

true_value() ::= "ANTLR3_TRUE"
false_value() ::= "ANTLR3_FALSE"

Found in path(s):
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/templates/C/C.stg
No license file was found, but licenses were detected in source scan.

/*
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```

```

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* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/
/** Template subgroup to add template rewrite output
* If debugging, then you'll also get STDbg.stg loaded.
*/

@outputFile.imports() ::= <<
<@super.imports()>
using Antlr3.ST;
using Antlr3.ST.Language;
>>

@genericParser.members() ::= <<
<@super.members()>
private StringTemplateGroup _templateGroup = new StringTemplateGroup("<name>Templates",
typeof(AngleBracketTemplateLexer));

public StringTemplateGroup TemplateGroup
{
get { return _templateGroup; }
set { _templateGroup = value; }
}
>>

```

```

ruleReturnBaseType() ::= <%
Template<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope\<StringTemplate, <labelType>>
%>

/** x+=rule when output=template */
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRef(...)>
<listLabelElem(elem={<label>.Template},elemType="StringTemplate",...)>
>>

rewriteTemplate(alts) ::= <<

// TEMPLATE REWRITE
<if(backtracking)>
if (<actions.(actionScope).synpredgate>)
{
<alts:rewriteTemplateAlt(); separator="else ">
<if(rewriteMode)><replaceTextInLine()><endif>
}
<else>
<alts:rewriteTemplateAlt(); separator="else ">
<if(rewriteMode)><replaceTextInLine()><endif>
<endif>
>>

replaceTextInLine() ::= <<
<if(TREE_PARSER)>
((TokenRewriteStream)input.TokenStream).Replace(
input.TreeAdaptor.GetTokenStartIndex(retval.Start),
input.TreeAdaptor.GetTokenStopIndex(retval.Start),
retval.Template);
<else>
((TokenRewriteStream)input).Replace(
retval.Start.TokenIndex,
input.LT(-1).TokenIndex,
retval.Template);
<endif>
>>

rewriteTemplateAlt(it) ::= <<
// <it.description>
<if(it.pred)>
if (<it.pred>)
{
retval.Template = <it.alt>;
}<\n>
<else>

```

```

{
 retval.Template = <it.alt>;
}
<\n>
<endif>
>>

rewriteEmptyTemplate(alts) ::= <<
null;
>>

/** Invoke a template with a set of attribute name/value pairs.
 * Set the value of the rule's template *after* having set
 * the attributes because the rule's template might be used as
 * an attribute to build a bigger template; you get a self-embedded
 * template.
 */
rewriteExternalTemplate(name,args) ::= <%
TemplateGroup.GetInstanceOf("<name>"<optionalArguments(args)>)
%>

/** expr is a string expression that says what template to load */
rewriteIndirectTemplate(expr,args) ::= <%
TemplateGroup.GetInstanceOf(<expr>"<optionalArguments(args)>"
%>

/** Invoke an inline template with a set of attribute name/value pairs */
rewriteInlineTemplate(args, template) ::= <%
new StringTemplate(TemplateGroup, "<template>"<optionalArguments(args)>)
%>

optionalArguments(args) ::= <<
<if(args)>,
 new Dictionary<string, object>() { <args:optionalArgument(); separator=", "> }
<endif>
>>

optionalArgument(it) ::= <<
{"<it.name>", <it.value>}
>>

/** plain -> {foo} action */
rewriteAction(action) ::= <<
<action>
>>

/** An action has %st.attrName=expr; or % {st}.attrName=expr; */
actionSetAttribute(st,attrName,expr) ::= <<
(<st>).SetAttribute("<attrName>",<expr>);

```

>>

```
/** Translate %{stringExpr} */
actionStringConstructor(stringExpr) ::= <<
new StringTemplate(TemplateGroup,<stringExpr>)
>>
```

Found in path(s):

```
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/CSharp3/ST.stg
No license file was found, but licenses were detected in source scan.
```

```
/*
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```

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```
*/
```

```
group AST;
```

```
@outputFile.imports() ::= <<
<@super.imports(>
>>
```

```
@genericParser.members() ::= <<
<@super.members(>
<parserMembers(>
```

```

>>

/** Add an adaptor property that knows how to build trees */
parserMembers() ::= <<
<!protected TreeAdaptor adaptor = new CommonTreeAdaptor();<\n!>
setTreeAdaptor: function(adaptor) {
 this.adaptor = adaptor;
 <grammar.directDelegates: {g|<g:delegateName()>.setTreeAdaptor(this.adaptor);}>
},
getTreeAdaptor: function() {
 return this.adaptor;
},
>>

@returnScope.ruleReturnMembers() ::= <<
getTree: function() { return this.tree; }
>>

/** Add a variable to track rule's return AST */
ruleDeclarations() ::= <<
<super.ruleDeclarations()>
var root_0 = null;<\n>
>>

ruleLabelDefs() ::= <<
<super.ruleLabelDefs()>
<ruleDescriptor.tokenLabels: { var <it.label.text>_tree=null; }; separator="\n">
<ruleDescriptor.tokenListLabels: { var <it.label.text>_tree=null; }; separator="\n">
<ruleDescriptor.allTokenRefsInAltsWithRewrites
 : { var stream_<it>=new org.antlr.runtime.tree.RewriteRuleTokenStream(this.adaptor,"token <it>"); };
separator="\n">
<ruleDescriptor.allRuleRefsInAltsWithRewrites
 : { var stream_<it>=new org.antlr.runtime.tree.RewriteRuleSubtreeStream(this.adaptor,"rule <it>"); };
separator="\n">
>>

/** When doing auto AST construction, we must define some variables;
 * These should be turned off if doing rewrites. This must be a "mode"
 * as a rule could have both rewrite and AST within the same alternative
 * block.
 */
@alt.declarations() ::= <<
<if(autoAST)>
<if(outerAlt)>
<if(!rewriteMode)>
root_0 = this.adaptor.nil();<\n>
<endif>
<endif>
>>

```



```

<endif>
>>

// Tracking Rule Elements

/** ID and track it for use in a rewrite rule */
tokenRefTrack(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefBang(...)> <! Track implies no auto AST construction!>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>stream_<token>.add(<label>);<\n>
>>

/** ids+=ID and track it for use in a rewrite rule; adds to ids *and*
 * to the tracking list stream_ID for use in the rewrite.
 */
tokenRefTrackAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefTrack(...)>
<listLabel(elem=label,...)>
>>

/** ^(ID ...) track for rewrite */
tokenRefRuleRootTrack(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefBang(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>stream_<token>.add(<label>);<\n>
>>

/** Match ^(label+=TOKEN ...) track for rewrite */
tokenRefRuleRootTrackAndListLabel(token,label,elementIndex,terminalOptions) ::= <<
<tokenRefRuleRootTrack(...)>
<listLabel(elem=label,...)>
>>

wildcardTrack(label,elementIndex) ::= <<
<super.wildcard(...)>
>>

/** rule when output=AST and tracking for rewrite */
ruleRefTrack(rule,label,elementIndex,args,scope) ::= <<
<super.ruleRef(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>stream_<rule.name>.add(<label>.getTree());
>>

/** x+=rule when output=AST and tracking for rewrite */
ruleRefTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefTrack(...)>
<listLabel(elem=label+".getTree()",...)>
>>

/** ^(rule ...) rewrite */

```

```

ruleRefRuleRootTrack(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRoot(...)>
<if(backtracking)>if (<actions.(actionScope).synpredgate>) <endif>stream_<rule>.add(<label>.getTree());
>>

/** ^(x+=rule ...) rewrite */
ruleRefRuleRootTrackAndListLabel(rule,label,elementIndex,args,scope) ::= <<
<ruleRefRuleRootTrack(...)>
<listLabel(elem=label+".getTree()",...)>
>>

// R e w r i t e

rewriteCode(
alts, description,
referencedElementsDeep, // ALL referenced elements to right of ->
referencedTokenLabels,
referencedTokenListLabels,
referencedRuleLabels,
referencedRuleListLabels,
referencedWildcardLabels,
referencedWildcardListLabels,
rewriteBlockLevel, enclosingTreeLevel, treeLevel) ::=
<<

// AST REWRITE
// elements: <referencedElementsDeep; separator=", ">
// token labels: <referencedTokenLabels; separator=", ">
// rule labels: <referencedRuleLabels; separator=", ">
// token list labels: <referencedTokenListLabels; separator=", ">
// rule list labels: <referencedRuleListLabels; separator=", ">
<if(backtracking)>
if (<actions.(actionScope).synpredgate>) {<n>
<endif>
<prevRuleRootRef(>).tree = root_0;
<rewriteCodeLabels(>
root_0 = this.adaptor.nil();
<alts:rewriteAlt(); separator="else ">
<! if tree parser and rewrite=true !>
<if(TREE_PARSER)>
<if(rewriteMode)>
<prevRuleRootRef(>).tree = this.adaptor.rulePostProcessing(root_0);
this.input.replaceChildren(this.adaptor.getParent(retval.start),
this.adaptor.getChildIndex(retval.start),
this.adaptor.getChildIndex(_last),
retval.tree);

<endif>
<endif>

```

```

<! if parser or tree-parser && rewrite!=true, we need to set result !>
<if(!TREE_PARSER)>
<prevRuleRootRef(>).tree = root_0;
<else>
<if(!rewriteMode)>
<prevRuleRootRef(>).tree = root_0;
<endif>
<endif>
<if(backtracking)>
}
<endif>
>>

rewriteCodeLabels() ::= <<
<referencedTokenLabels
: {var stream_<it>=new org.antlr.runtime.tree.RewriteRule<rewriteElementType>Stream(this.adaptor,"token
<it>",<it>)};
separator="\n"
>
<referencedTokenListLabels
: {var stream_<it>=new org.antlr.runtime.tree.RewriteRule<rewriteElementType>Stream(this.adaptor,"token
<it>",<it>)};
separator="\n"
>
<referencedWildcardLabels
: {var stream_<it>=new org.antlr.runtime.tree.RewriteRuleSubtreeStream(this.adaptor,"wildcard <it>",<it>)};
separator="\n"
>
<referencedWildcardListLabels
: {var stream_<it>=new org.antlr.runtime.tree.RewriteRuleSubtreeStream(this.adaptor,"wildcard <it>",<it>)};
separator="\n"
>
<referencedRuleLabels
: {var stream_<it>=new org.antlr.runtime.tree.RewriteRuleSubtreeStream(this.adaptor,"token
<it>",<it>!=null?<it>.tree:null)};
separator="\n"
>
<referencedRuleListLabels
: {var stream_<it>=new org.antlr.runtime.tree.RewriteRuleSubtreeStream(this.adaptor,"token <it>",<it>)};
separator="\n"
>
>>

/** Generate code for an optional rewrite block; note it uses the deep ref'd element
* list rather shallow like other blocks.
*/
rewriteOptionalBlock(
alt,rewriteBlockLevel,

```

```

referencedElementsDeep, // all nested refs
referencedElements, // elements in immediately block; no nested blocks
description) ::=
<<
// <fileName>:<description>
if (<referencedElementsDeep:{el | stream_<el>.hasNext()}; separator="||">) {
 <alt>
}
<referencedElementsDeep:{el | stream_<el>.reset();<\n>}>
>>

```

```

rewriteClosureBlock(
alt,rewriteBlockLevel,
referencedElementsDeep, // all nested refs
referencedElements, // elements in immediately block; no nested blocks
description) ::=
<<
// <fileName>:<description>
while (<referencedElements:{el | stream_<el>.hasNext()}; separator="||">) {
 <alt>
}
<referencedElements:{el | stream_<el>.reset();<\n>}>
>>

```

```

rewritePositiveClosureBlock(
alt,rewriteBlockLevel,
referencedElementsDeep, // all nested refs
referencedElements, // elements in immediately block; no nested blocks
description) ::=
<<
if (!(<referencedElements:{el | stream_<el>.hasNext()}; separator="||">)) {
 throw new org.antlr.runtime.tree.RewriteEarlyExitException();
}
while (<referencedElements:{el | stream_<el>.hasNext()}; separator="||">) {
 <alt>
}
<referencedElements:{el | stream_<el>.reset();<\n>}>
>>

```

```

rewriteAlt(a) ::= <<
// <a.description>
<if(a.pred)>
if (<a.pred>) {
 <a.alt>
}<\n>
<else>
{
 <a.alt>
}
}

```

```

}<\n>
<endif>
>>

/** For empty rewrites: "r : ... -> ;" */
rewriteEmptyAlt() ::= "root_0 = null;"

rewriteTree(root,children,description,enclosingTreeLevel,treeLevel) ::= <<
// <fileName>:<description>
{
var root_<treeLevel> = this.adaptor.nil();
<root:rewriteElement()>
<children:rewriteElement()>
this.adaptor.addChild(root_<enclosingTreeLevel>, root_<treeLevel>);
}<\n>
>>

rewriteElementList(elements) ::= "<elements:rewriteElement()>"

rewriteElement(e) ::= <<
<@pregen()>
<e.el>
>>

/** Gen ID or ID[args] */
rewriteTokenRef(token,elementIndex,terminalOptions,args) ::= <<
this.adaptor.addChild(root_<treeLevel>, <createRewriteNodeFromElement(...)>);<\n>
>>

/** Gen $label ... where defined via label=ID */
rewriteTokenLabelRef(label,elementIndex) ::= <<
this.adaptor.addChild(root_<treeLevel>, stream_<label>.nextNode());<\n>
>>

/** Gen $label ... where defined via label+=ID */
rewriteTokenListLabelRef(label,elementIndex) ::= <<
this.adaptor.addChild(root_<treeLevel>, stream_<label>.nextNode());<\n>
>>

/** Gen ^($label ...) */
rewriteTokenLabelRefRoot(label,elementIndex) ::= <<
root_<treeLevel> = this.adaptor.becomeRoot(stream_<label>.nextNode(), root_<treeLevel>);<\n>
>>

/** Gen ^($label ...) where label+=... */
rewriteTokenListLabelRefRoot ::= rewriteTokenLabelRefRoot

/** Gen ^(ID ...) or ^(ID[args] ...) */

```

```

rewriteTokenRefRoot(token,elementIndex,terminalOptions,args) ::= <<
root_<treeLevel> = this.adaptor.becomeRoot(<createRewriteNodeFromElement(...)>, root_<treeLevel>);<\n>
>>

rewriteImaginaryTokenRef(args,token,terminalOptions,elementIndex) ::= <<
this.adaptor.addChild(root_<treeLevel>, <createImaginaryNode(tokenType=token, ...)>);<\n>
>>

rewriteImaginaryTokenRefRoot(args,token,terminalOptions,elementIndex) ::= <<
root_<treeLevel> = this.adaptor.becomeRoot(<createImaginaryNode(tokenType=token, ...)>,
root_<treeLevel>);<\n>
>>

/** plain -> {foo} action */
rewriteAction(action) ::= <<
root_0 = <action>;<\n>
>>

/** What is the name of the previous value of this rule's root tree? This
* let's us refer to $rule to mean previous value. I am reusing the
* variable 'tree' sitting in retval struct to hold the value of root_0 right
* before I set it during rewrites. The assign will be to retval.tree.
*/
prevRuleRootRef() ::= "retval"

rewriteRuleRef(rule) ::= <<
this.adaptor.addChild(root_<treeLevel>, stream_<rule>.nextTree());<\n>
>>

rewriteRuleRefRoot(rule) ::= <<
root_<treeLevel> = this.adaptor.becomeRoot(stream_<rule>.nextNode(), root_<treeLevel>);<\n>
>>

rewriteNodeAction(action) ::= <<
this.adaptor.addChild(root_<treeLevel>, <action>);<\n>
>>

rewriteNodeActionRoot(action) ::= <<
root_<treeLevel> = this.adaptor.becomeRoot(<action>, root_<treeLevel>);<\n>
>>

/** Gen $ruleLabel ... where defined via ruleLabel=rule */
rewriteRuleLabelRef(label) ::= <<
this.adaptor.addChild(root_<treeLevel>, stream_<label>.nextTree());<\n>
>>

/** Gen $ruleLabel ... where defined via ruleLabel+=rule */
rewriteRuleListLabelRef(label) ::= <<

```

```

this.adaptor.addChild(root_<treeLevel>, stream_<label>.nextTree());<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel=rule */
rewriteRuleLabelRefRoot(label) ::= <<
root_<treeLevel> = this.adaptor.becomeRoot(stream_<label>.nextNode(), root_<treeLevel>);<\n>
>>

/** Gen ^($ruleLabel ...) where ruleLabel+=rule */
rewriteRuleListLabelRefRoot(label) ::= <<
root_<treeLevel> = this.adaptor.becomeRoot(stream_<label>.nextNode(), root_<treeLevel>);<\n>
>>

rewriteWildcardLabelRef(label) ::= <<
this.adaptor.addChild(root_<treeLevel>, stream_<label>.nextTree());<\n>
>>

createImaginaryNode(tokenType,terminalOptions,args) ::= <<
<if(terminalOptions.node)>
<! new MethodNode(IDLabel, args) !>
new <terminalOptions.node>(<tokenType><if(args)>, <args; separator=","><endif>)
<else>
this.adaptor.create(<tokenType>, <args; separator=","><if(!args)>"<tokenType>"<endif>)
<endif>
>>

createRewriteNodeFromElement(token,terminalOptions,args) ::= <<
<if(terminalOptions.node)>
new <terminalOptions.node>(stream_<token>.nextToken(<if(args)>, <args; separator=","><endif>))
<else>
<if(args)> <! must create new node from old !>
this.adaptor.create(<token>, <args; separator=",">)
<else>
stream_<token>.nextNode()
<endif>
<endif>
>>

```

Found in path(s):

```

* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/JavaScript/AST.stg

```

No license file was found, but licenses were detected in source scan.

```

/*
* [The "BSD license"]
* Copyright (c) 2010 Terence Parr and Alan Condit
* Copyright (c) 2006 Kay Roepke (Objective-C runtime)
* All rights reserved.

```

```
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in the
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* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR
* IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
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* NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
* DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
* THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/
```

Found in path(s):

```
*/opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-jar/org/antlr/codegen/ObjCTarget.java
```

No license file was found, but licenses were detected in source scan.

```
/*
* [The "BSD license"]
* Copyright (c) 2007-2008 Johannes Luber
* Copyright (c) 2005-2007 Kunle Odutola
* Copyright (c) 2011 Sam Harwell
* Copyright (c) 2011 Terence Parr
* All rights reserved.
*
* Redistribution and use in source and binary forms, with or without
* modification, are permitted provided that the following conditions
* are met:
* 1. Redistributions of source code must retain the above copyright
* notice, this list of conditions and the following disclaimer.
* 2. Redistributions in binary form must reproduce the above copyright
* notice, this list of conditions and the following disclaimer in the
* documentation and/or other materials provided with the distribution.
* 3. The name of the author may not be used to endorse or promote products
* derived from this software without specific prior written permission.
*
* THIS SOFTWARE IS PROVIDED BY THE AUTHOR ``AS IS" AND ANY EXPRESS OR
```



```

* IMPLIED WARRANTIES, INCLUDING, BUT NOT LIMITED TO, THE IMPLIED WARRANTIES
* OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE DISCLAIMED.
* IN NO EVENT SHALL THE AUTHOR BE LIABLE FOR ANY DIRECT, INDIRECT,
* INCIDENTAL, SPECIAL, EXEMPLARY, OR CONSEQUENTIAL DAMAGES (INCLUDING, BUT
* NOT LIMITED TO, PROCUREMENT OF SUBSTITUTE GOODS OR SERVICES; LOSS OF USE,
* DATA, OR PROFITS; OR BUSINESS INTERRUPTION) HOWEVER CAUSED AND ON ANY
* THEORY OF LIABILITY, WHETHER IN CONTRACT, STRICT LIABILITY, OR TORT
* (INCLUDING NEGLIGENCE OR OTHERWISE) ARISING IN ANY WAY OUT OF THE USE OF
* THIS SOFTWARE, EVEN IF ADVISED OF THE POSSIBILITY OF SUCH DAMAGE.
*/

```

```

csharpVisibilityMap ::= [
 "private":"private",
 "protected":"protected",
 "public":"public",
 "fragment":"private",
 default:"private"
]

```

```

/** The overall file structure of a recognizer; stores methods for rules
* and cyclic DFAs plus support code.
*/

```

```

outputFile(LEXER,PARSER,TREE_PARSER, actionScope, actions,
 docComment, recognizer,
 name, tokens, tokenNames, rules, cyclicDFAs,
 bitsets, buildTemplate, buildAST, rewriteMode, profile,
 backtracking, synpreds, memoize, numRules,
 fileName, ANTLRVersion, generatedTimestamp, trace,
 scopes, superClass, literals) ::=

```

```
<<
```

```
//-----
```

```
// \<auto-generated>
```

```
// This code was generated by a tool.
```

```
// ANTLR Version: <ANTLRVersion>
```

```
//
```

```
// Changes to this file may cause incorrect behavior and will be lost if
```

```
// the code is regenerated.
```

```
// \</auto-generated>
```

```
//-----
```

```
// $ANTLR <ANTLRVersion> <fileName> <generatedTimestamp>
```

```
<if(trace)>
```

```
#define ANTLR_TRACE
```

```
<endif>
```

```
<@debugPreprocessor()>
```

```
// The variable 'variable' is assigned but its value is never used.
```

```
#pragma warning disable 168, 219
```

```

// Unreachable code detected.
#pragma warning disable 162
// Missing XML comment for publicly visible type or member 'Type_or_Member'
#pragma warning disable 1591

<actions.(actionScope).header>

<@imports>
using System.Collections.Generic;
using Antlr.Runtime;
using Antlr.Runtime.Misc;
<if(TREE_PARSER)>
using Antlr.Runtime.Tree;
using RewriteRuleTokenStream = Antlr.Runtime.Tree.RewriteRuleTokenStream;
<endif>
using ConditionalAttribute = System.Diagnostics.ConditionalAttribute;
<@end>
<if(actions.(actionScope).namespace)>
namespace <actions.(actionScope).namespace>
{
<endif>
<docComment>
<recognizer>
<if(actions.(actionScope).namespace)>

} // namespace <actions.(actionScope).namespace>
<endif>
>>

lexerInputStreamType() ::= <<
<actions.(actionScope).inputStreamType; null="ICharStream">
>>

lexer(grammar, name, tokens, scopes, rules, numRules, filterMode, labelType="CommonToken",
superClass={ <if(actions.(actionScope).superClass)><actions.(actionScope).superClass><else>Antlr.Runtime.Lexer
<endif>})) ::= <<
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<ANTLRVersion>")]
[System.CLSCompliant(false)]
<parserModifier(grammar=grammar, actions=actions)> partial class <grammar.recognizerName> :
<@superClassName><superClass><@end>
{
<tokens:{it|public const int <it.name; format="id">=<it.type>;}; separator="\n">
<scopes:{it|<if(it.isDynamicGlobalScope)><globalAttributeScope(scope=it)><endif>}>
<actions.lexer.members>

// delegates
<grammar.delegates:
{g|private <g.recognizerName> <g.delegateName()>;}; separator="\n">

```

```

// delegators
<grammar.delegators:
 {g|private <g.recognizerName> <g.delegateName(>);}; separator="\n">
<last(grammar.delegators):{g|private <g.recognizerName> gParent;}>

<actions.(actionScope).ctorModifier; null="public"> <grammar.recognizerName>(<! needed by subclasses !>
{
 OnCreated();
}

<actions.(actionScope).ctorModifier; null="public"> <grammar.recognizerName>(<lexerInputStreamType(>
input<grammar.delegators:{g|, <g.recognizerName> <g.delegateName(>}&>)
: this(input, new RecognizerSharedState(<grammar.delegators:{g|, <g.delegateName(>}&>))
{
}

<actions.(actionScope).ctorModifier; null="public"> <grammar.recognizerName>(<lexerInputStreamType(> input,
RecognizerSharedState state<grammar.delegators:{g|, <g.recognizerName> <g.delegateName(>}&>)
: base(input, state)
{
<if(memoize)>
<if(grammar.grammarIsRoot)>
 state.ruleMemo = new System.Collections.Generic.Dictionary<int, int>[<numRules>+1];<\n><! index from 1..n !>
<endif>
<endif>
<grammar.directDelegates:
 {g|<g.delegateName(> = new <g.recognizerName>(input, this.state<trunc(g.delegators):{p|,
<p.delegateName(>}&>, this);}; separator="\n">
<grammar.delegators:
 {g|this.<g.delegateName(> = <g.delegateName(>);}; separator="\n">
<last(grammar.delegators):{g|gParent = <g.delegateName(>};}>

 OnCreated();
}
public override string GrammarFileName { get { return "<fileName>"; } }

private static readonly bool[] decisionCanBacktrack = new bool[0];

<if(grammar.hasDelegates)>
public override <lexerInputStreamType(> CharStream
{
 get
 {
 return base.CharStream;
 }
 set
 {
 base.CharStream = value;
 }
}

```

```

 <grammar.directDelegates:
 {g|<g.delegateName()> = new <g.recognizerName>(input, state<trunc(g.delegators):{p|, <p.delegateName()>}>,
this);}; separator="\n">
 <grammar.delegators:
 {g|this.<g.delegateName()> = <g.delegateName()>;}; separator="\n">
 <last(grammar.delegators):{g|gParent = <g.delegateName()>;}>
 }
 }

<if(grammar.delegates)>
public override void SetState(RecognizerSharedState state)
{
 base.SetState(state);
 <grammar.delegates:{g|<g.delegateName()>.SetState(state);}; separator="\n">
}
<endif>

<endif>
<if(filterMode)>
 <filteringNextToken()>
<endif>

[Conditional("ANTLR_TRACE")]
protected virtual void OnCreated() {}
[Conditional("ANTLR_TRACE")]
protected virtual void EnterRule(string ruleName, int ruleIndex) {}
[Conditional("ANTLR_TRACE")]
protected virtual void LeaveRule(string ruleName, int ruleIndex) {}

 <rules; separator="\n">

 <insertLexerSynpreds(synpreds)>

 #region DFA
 <cyclicDFAs:{dfa | DFA<dfa.decisionNumber> dfa<dfa.decisionNumber>;}; separator="\n">

 protected override void InitDFAs()
 {
 base.InitDFAs();
 <cyclicDFAs:{dfa | dfa<dfa.decisionNumber> = new DFA<dfa.decisionNumber>(this<if(dfa.specialStateSTs)>,
SpecialStateTransition<dfa.decisionNumber><endif>;);}; separator="\n">
 }

 <cyclicDFAs:cyclicDFA()> <! dump tables for all DFA !>
 #endregion

 }
 >>

```

```

/** A override of Lexer.nextToken() that backtracks over mTokens() looking
 * for matches. No error can be generated upon error; just rewind, consume
 * a token and then try again. backtracking needs to be set as well.
 * Make rule memoization happen only at levels above 1 as we start mTokens
 * at backtracking==1.
 */
filteringNextToken() ::= <<
public override IToken NextToken()
{
 while (true)
 {
 if (input.LA(1) == CharStreamConstants.EndOfFile)
 {
 IToken eof = new CommonToken((ICharStream)input, CharStreamConstants.EndOfFile, TokenChannels.Default,
input.Index, input.Index);
 eof.Line = Line;
 eof.CharPositionInLine = CharPositionInLine;
 return eof;
 }
 state.token = null;
 state.channel = TokenChannels.Default;
 state.tokenStartCharIndex = input.Index;
 state.tokenStartCharPositionInLine = input.CharPositionInLine;
 state.tokenStartLine = input.Line;
 state.text = null;
 try
 {
 int m = input.Mark();
 state.backtracking=1;<!-- means we won't throw slow exception !>
 state.failed=false;
 mTokens();
 state.backtracking=0;
 <!-- mTokens backtracks with synpred at backtracking==2
 and we set the synpredgate to allow actions at level 1. !>
 if (state.failed)
 {
 input.Rewind(m);
 input.Consume();<!-- advance one char and try again !>
 }
 else
 {
 Emit();
 return state.token;
 }
 }
 catch (RecognitionException re)
 {

```

```

 // shouldn't happen in backtracking mode, but...
 ReportError(re);
 Recover(re);
}
}
}

public override void Memoize(IIntStream input, int ruleIndex, int ruleStartIndex)
{
 if (state.backtracking > 1)
 base.Memoize(input, ruleIndex, ruleStartIndex);
}

public override bool AlreadyParsedRule(IIntStream input, int ruleIndex)
{
 if (state.backtracking > 1)
 return base.AlreadyParsedRule(input, ruleIndex);

 return false;
}
>>

actionGate() ::= "state.backtracking == 0"

filteringActionGate() ::= "state.backtracking == 1"

/** How to generate a parser */
genericParser(grammar, name, scopes, tokens, tokenNames, rules, numRules,
 bitsets, inputStreamType, superClass,
 labelType, members, rewriteElementType,
 filterMode, ASTLabelType="object") ::= <<
[System.CodeDom.Compiler.GeneratedCode("ANTLR", "<ANTLRVersion>")]
[System.CLSCompliant(false)]
<parserModifier(grammar=grammar, actions=actions)> partial class <grammar.recognizerName> :
<@superClassName><superClass><@end>
{
<if(grammar.grammarIsRoot)>
 internal static readonly string[] tokenNames = new string[] {
 "\<invalid>", "\<EOR>", "\<DOWN>", "\<UP>", <tokenNames; separator=", ">
 };
<endif>
 <tokens:{it|public const int <it.name; format="id">=<it.type>;}; separator="\n">

<if(grammar.delegates)>
 // delegates
 <grammar.delegates:
 {g|private <g.recognizerName> <g.delegateName()>;}; separator="\n">
<endif>

```

```

<if(grammar.delegators)>
// delegators
<grammar.delegators:
 {g|private <g.recognizerName> <g.delegateName(>); separator="\n">
<last(grammar.delegators):{g|private <g.recognizerName> gParent;}>
<endif>

<if(grammar.delegates)>
public override void SetState(RecognizerSharedState state)
{
 base.SetState(state);
 <grammar.delegates:{g|<g.delegateName(>.SetState(state);}; separator="\n">
}

<if(TREE_PARSER)>
public override void SetTreeNodeStream(ITreeNodeStream input)
{
 base.SetTreeNodeStream(input);
 <grammar.delegates:{g|<g.delegateName(>.SetTreeNodeStream(input);}; separator="\n">
}
<endif>
<endif>

<scopes: {it|<if(it.isDynamicGlobalScope)><globalAttributeScope(scope=it)><endif> }>
<@members()>

public override string[] TokenNames { get { return
<grammar.composite.rootGrammar.recognizerName>.tokenNames; } }
public override string GrammarFileName { get { return "<fileName>"; } }

<members>

[Conditional("ANTLR_TRACE")]
protected virtual void OnCreated() {}
[Conditional("ANTLR_TRACE")]
protected virtual void EnterRule(string ruleName, int ruleIndex) {}
[Conditional("ANTLR_TRACE")]
protected virtual void LeaveRule(string ruleName, int ruleIndex) {}

#region Rules
<rules; separator="\n">
#endregion Rules

<if(grammar.delegatedRules)>
<! generate rule/method definitions for imported rules so they
 appear to be defined in this recognizer. !>
#region Delegated rules
<grammar.delegatedRules:{ruleDescriptor|

```

```

<ruleModifier(grammar=grammar,ruleDescriptor=ruleDescriptor)> <returnType(ruleDescriptor)>
<ruleDescriptor.name; format="id"><ruleDescriptor.parameterScope:parameterScope()> <!throws
RecognitionException !>{ <if(ruleDescriptor.hasReturnValue)>return
<endif><ruleDescriptor.grammar:delegateName()>.<ruleDescriptor.name;
format="id"><ruleDescriptor.parameterScope><ruleDescriptor.parameterScope.attributes:{ a|<a.name;
format="id">}; separator=", "><endif>}; \}}; separator="\n">
#endregion Delegated rules
<endif>

<insertSynpreds(synpreds)>

<if(cyclicDFAs)>
#region DFA
<cyclicDFAs:{ dfa | private DFA<dfa.decisionNumber> dfa<dfa.decisionNumber>;}; separator="\n">

protected override void InitDFAs()
{
base.InitDFAs();
<cyclicDFAs:{ dfa | dfa<dfa.decisionNumber> = new DFA<dfa.decisionNumber>(this<if(dfa.specialStateSTs)>,
SpecialStateTransition<dfa.decisionNumber><endif>);}; separator="\n">
}

<cyclicDFAs:cyclicDFA()><! dump tables for all DFA !>
#endregion DFA
<endif>

<if(bitsets)>
#region Follow sets
private static class Follow
{
<bitsets:{ it|<bitset(name={ _<it.name>_in_<it.inName><it.tokenIndex>}, words64=it.bits)>}; separator="\n">
}
#endregion Follow sets
<endif>
}
>>

@genericParser.members() ::= <<
#if ANTLR_DEBUG
private static readonly bool[] decisionCanBacktrack =
new bool[]
{
false, // invalid decision
<grammar.decisions:{ d | <d.dfa.hasSynPred>}; wrap="\n", separator=", ">
};
#else
private static readonly bool[] decisionCanBacktrack = new bool[0];
#endif

```



```

<! WARNING. bug in ST: this is cut-n-paste into Dbg.stg !>
<actions.(actionScope).ctorModifier; null="public"> <grammar.recognizerName>(<inputStreamType>
input<grammar.delegators:{g|, <g.recognizerName> <g.delegateName()>}>)
: this(input, new RecognizerSharedState()<grammar.delegators:{g|, <g.delegateName()>}>)
{
}
<actions.(actionScope).ctorModifier; null="public"> <grammar.recognizerName>(<inputStreamType> input,
RecognizerSharedState state<grammar.delegators:{g|, <g.recognizerName> <g.delegateName()>}>)
: base(input, state)
{
<if(grammar.directDelegates)>
<grammar.directDelegates:
{g|<g.delegateName()> = new <g.recognizerName>(input, state<trunc(g.delegators):{p|, <p.delegateName()>}>,
this);}; separator="\n">
<endif>
<if(grammar.indirectDelegates)>
<grammar.indirectDelegates:{g | <g.delegateName()> = <g.delegator.delegateName()>.<g.delegateName()>};
separator="\n">
<endif>
<if(grammar.delegators)>
<last(grammar.delegators):{g|gParent = <g.delegateName()>};>
<endif>
<parserCtorBody()>
OnCreated();
}
>>

// imported grammars are 'public' (can't be internal because their return scope classes must be accessible)
parserModifier(grammar, actions) ::= <<
<if(grammar.grammarIsRoot)><actions.(actionScope).modifier; null="public"><else>public<endif>
>>

parserCtorBody() ::= <<
<if(memoize)>
<if(grammar.grammarIsRoot)>
this.state.ruleMemo = new System.Collections.Generic.Dictionary<int,
int>[<length(grammar.allImportedRules)>+1];<\n><! index from 1..n !>
<endif>
<endif>
<grammar.delegators:
{g|this.<g.delegateName()> = <g.delegateName()>}; separator="\n">
>>

parser(grammar, name, scopes, tokens, tokenNames, rules, numRules, bitsets,
ASTLabelType="object",
superClass={<if(actions.(actionScope).superClass)><actions.(actionScope).superClass><else>Antlr.Runtime.Parser
<endif>}, labelType="IToken",
members={<actions.parser.members>}) ::= <<

```

```

<genericParser(inputStreamType="ITokenStream", rewriteElementType="IToken", ...)>
>>

/** How to generate a tree parser; same as parser except the input
 * stream is a different type.
 */
treeParser(grammar, name, scopes, tokens, tokenNames, globalAction, rules,
 numRules, bitsets, filterMode, labelType={<ASTLabelType>}, ASTLabelType="object",
superClass={<if(actions.(actionScope).superClass)><actions.(actionScope).superClass><else>Antlr.Runtime.Tree.<
if(filterMode)>><if(buildAST)>TreeRewriter<else>TreeFilter<endif><else>TreeParser<endif><endif>},
 members={<actions.treeparser.members>}) ::= <<
<genericParser(inputStreamType="ITreeNodeStream", rewriteElementType="Node", ...)>
>>

/** A simpler version of a rule template that is specific to the imaginary
 * rules created for syntactic predicates. As they never have return values
 * nor parameters etc..., just give simplest possible method. Don't do
 * any of the normal memoization stuff in here either; it's a waste.
 * As predicates cannot be inlined into the invoking rule, they need to
 * be in a rule by themselves.
 */
synpredRule(ruleName, ruleDescriptor, block, description, nakedBlock) ::=
<<
[Conditional("ANTLR_TRACE")]
protected virtual void EnterRule_<ruleName>_fragment() {}
[Conditional("ANTLR_TRACE")]
protected virtual void LeaveRule_<ruleName>_fragment() {}

// $ANTLR start <ruleName>
<ruleModifier(grammar,ruleDescriptor)> void
<ruleName>_fragment(<ruleDescriptor.parameterScope:parameterScope()>)
{
 <ruleLabelDefs()>
 EnterRule_<ruleName>_fragment();
 EnterRule("<ruleName>_fragment", <ruleDescriptor.index>);
 TraceIn("<ruleName>_fragment", <ruleDescriptor.index>);
 try
 {
 <block>
 }
 finally
 {
 TraceOut("<ruleName>_fragment", <ruleDescriptor.index>);
 LeaveRule("<ruleName>_fragment", <ruleDescriptor.index>);
 LeaveRule_<ruleName>_fragment();
 }
}
// $ANTLR end <ruleName>

```

>>

```
insertLexerSynpreds(synpreds) ::= <<
<insertSynpreds(synpreds)>
>>
```

```
insertSynpreds(synpreds) ::= <<
<if(synpreds)>
#region Synpreds
private bool EvaluatePredicate(System.Action fragment)
{
 bool success = false;
 state.backtracking++;
 <@start(>
 try { DebugBeginBacktrack(state.backtracking);
 int start = input.Mark();
 try
 {
 fragment();
 }
 catch (RecognitionException re)
 {
 System.Console.Error.WriteLine("impossible: "+re);
 }
 success = !state.failed;
 input.Rewind(start);
 } finally { DebugEndBacktrack(state.backtracking, success); }
 <@stop(>
 state.backtracking--;
 state.failed=false;
 return success;
}
#endregion Synpreds
<endif>
>>
```

```
ruleMemoization(name) ::= <<
<if(memoize)>
if (state.backtracking > 0 && AlreadyParsedRule(input, <ruleDescriptor.index>)) { <returnFromRule(> }
<endif>
>>
```

```
/** How to test for failure and return from rule */
checkRuleBacktrackFailure() ::= <<
<if(backtracking)>if (state.failed) <returnFromRule(><endif>
>>
```

```
/** This rule has failed, exit indicating failure during backtrack */
```

```

ruleBacktrackFailure() ::= <<
<if(backtracking)>if (state.backtracking>0) {state.failed=true; <returnFromRule(>><endif>
>>

ruleWrapperMap ::= [
"bottomup":{<ruleWrapperBottomup(>>},
"topdown":{<ruleWrapperTopdown(>>},
default:""
]

ruleWrapperBottomup() ::= <<
<if(TREE_PARSER && filterMode)>
protected override <if(buildAST)>IAstRuleReturnScope<else>void<endif> Bottomup() { return bottomup(); }
<endif>
>>

ruleWrapperTopdown() ::= <<
<if(TREE_PARSER && filterMode)>
protected override <if(buildAST)>IAstRuleReturnScope<else>void<endif> Topdown() { return topdown(); }
<endif>
>>

/** How to generate code for a rule. This includes any return type
 * data aggregates required for multiple return values.
 */
rule(ruleName,ruleDescriptor,block,emptyRule,description,exceptions,finally,memoize) ::= <<
<ruleAttributeScope(scope=ruleDescriptor.ruleScope)>
<returnScope(ruleDescriptor.returnScope)>

[Conditional("ANTLR_TRACE")]
protected virtual void EnterRule_<ruleName>() { }
[Conditional("ANTLR_TRACE")]
protected virtual void LeaveRule_<ruleName>() {}
<ruleWrapperMap.(ruleName)>
// $ANTLR start "<ruleName>"
// <fileName>:<description>
[GrammarRule("<ruleName>")]
<ruleModifier(grammar=grammar,ruleDescriptor=ruleDescriptor)> <returnType(ruleDescriptor)> <ruleName;
format="id">(<ruleDescriptor.parameterScope:parameterScope(>>)
{
EnterRule_<ruleName>();
EnterRule("<ruleName>", <ruleDescriptor.index>);
TraceIn("<ruleName>", <ruleDescriptor.index>);
<ruleScopeSetUp(>
<ruleDeclarations(>
<ruleLabelDefs(>
<ruleDescriptor.actions.init>
try { DebugEnterRule(GrammarFileName, "<ruleName>");

```

```

DebugLocation(<ruleDescriptor.tree.line>, <ruleDescriptor.EORNode.charPositionInLine>);
<@preamble()>
try
{
<ruleMemoization(name=ruleName)>
<block>
<ruleCleanUp()>
<(ruleDescriptor.actions.after):execAction()>
}
<if(exceptions)>
<exceptions:{e|<catch(decl=e.decl,action=e.action)><\n>}>
<else>
<if(!emptyRule)>
<if(actions.(actionScope).rulecatch)>
<actions.(actionScope).rulecatch>
<else>
catch (RecognitionException re)
{
ReportError(re);
Recover(input,re);
<@setErrorReturnValue()>
}
<endif>
<endif>
<endif>
finally
{
TraceOut("<ruleName>", <ruleDescriptor.index>);
LeaveRule("<ruleName>", <ruleDescriptor.index>);
LeaveRule_<ruleName>();
<memoize()>
<ruleScopeCleanUp()>
<finally>
}
DebugLocation(<ruleDescriptor.EORNode.line>, <ruleDescriptor.EORNode.charPositionInLine>);
} finally { DebugExitRule(GrammarFileName, "<ruleName>"); }
<@postamble()>
<returnFromRule()><\n>
}
// $ANTLR end "<ruleName>"
>>

// imported grammars need to have internal rules
ruleModifier(grammar,ruleDescriptor) ::= <<
<if(grammar.grammarIsRoot)><csharpVisibilityMap.(ruleDescriptor.modifier);
null="private"><else>internal<endif>
>>

```

```

// imported grammars need to have public return scopes
returnScopeModifier(grammar,ruleDescriptor) ::= <<
<if(grammar.grammarIsRoot)><csharpVisibilityMap.(ruleDescriptor.modifier);
null="private"><else>public<endif>
>>

catch(decl,action) ::= <<
catch (<e.decl>)
{
<e.action>
}
>>

ruleDeclarations() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<returnType(ruleDescriptor)> retval = new <returnType(ruleDescriptor)>();
retval.Start = (<labelType>)input.LT(1);
<elseif(ruleDescriptor.returnScope)>
<ruleDescriptor.returnScope.attributes: { a |
<a.type> <a.name; format="id"> = <if(a.initValue)><a.initValue><else><initValue(a.type)><endif>;
}>
<endif>
<if(memoize)>
int <ruleDescriptor.name>_startIndex = input.Index;
<endif>
>>

ruleScopeSetUp() ::= <<
<ruleDescriptor.useScopes: { it|<it>_stack.Push(new <it>_scope());<it>_scopeInit(<it>_stack.Peek());};
separator="\n">
<ruleDescriptor.ruleScope: { it|<it.name>_stack.Push(new
<it.name>_scope());<it.name>_scopeInit(<it.name>_stack.Peek());}; separator="\n">
>>

ruleScopeCleanUp() ::= <<
<ruleDescriptor.useScopes: { it|<it>_scopeAfter(<it>_stack.Peek());<it>_stack.Pop();}; separator="\n">
<ruleDescriptor.ruleScope: { it|<it.name>_scopeAfter(<it.name>_stack.Peek());<it.name>_stack.Pop();};
separator="\n">
>>

ruleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,ruleDescriptor.tokenListLabels,ruleDescriptor.wildcardTreeLabels,ruleDescriptor.wil
dcardTreeListLabels]
: { it|<labelType> <it.label.text> = default(<labelType>);}; separator="\n"
>
<ruleDescriptor.tokenListLabels
: { it|List<<labelType>> list_<it.label.text> = null;}; separator="\n"
>

```

```

<[ruleDescriptor.ruleListLabels,ruleDescriptor.wildcardTreeListLabels]
 :{it|List\<<ASTLabelType>> list_<it.label.text> = null;}; separator="\n"
>
<ruleDescriptor.ruleLabels:ruleLabelDef(); separator="\n">
<ruleDescriptor.ruleListLabels:ruleLabelDef(); separator="\n">
>>

lexerRuleLabelDefs() ::= <<
<[ruleDescriptor.tokenLabels,
 ruleDescriptor.tokenListLabels,
 ruleDescriptor.ruleLabels]
 :{it|<labelType> <it.label.text> = default(<labelType>);}; separator="\n"
>
<[ruleDescriptor.charListLabels,
 ruleDescriptor.charLabels]
 :{it|int <it.label.text> = 0;}; separator="\n"
>
<[ruleDescriptor.tokenListLabels,
 ruleDescriptor.ruleListLabels]
 :{it|List\<<labelType>> list_<it.label.text> = null;}; separator="\n"
>
<ruleDescriptor.charListLabels:{it|List\<int> list_<it.label.text> = null;}; separator="\n"
>
>>

returnFromRule() ::= <%
return
<if(!ruleDescriptor.isSynPred)>
<if(ruleDescriptor.hasReturnValue)>
<if(ruleDescriptor.hasSingleReturnValue)>
<! This comment is a hack to make sure the following
 single space appears in the output. !> <ruleDescriptor.singleValueReturnName>
<else>
<!!> retval
<endif>
<endif>
<endif>
<endif>
;
%>

ruleCleanup() ::= <<
<if(ruleDescriptor.hasMultipleReturnValues)>
<if(!TREE_PARSER)>
retval.Stop = (<labelType>)input.LT(-1);
<endif>
<endif>
>>

```

```

memoize() ::= <<
<if(memoize)>
<if(backtracking)>
if (state.backtracking > 0) { Memoize(input, <ruleDescriptor.index>, <ruleDescriptor.name>_StartIndex); }
<endif>
<endif>
>>

```

```

/** How to generate a rule in the lexer; naked blocks are used for
 * fragment rules.
 */

```

```

lexerRule(ruleName,nakedBlock,ruleDescriptor,block,memoize) ::= <<

```

```

[Conditional("ANTLR_TRACE")]
protected virtual void EnterRule_<ruleName>() {}
[Conditional("ANTLR_TRACE")]
protected virtual void LeaveRule_<ruleName>() {}

```

```

// $ANTLR start "<ruleName>"
[GrammarRule("<ruleName>")]
<ruleModifier(grammar=grammar,ruleDescriptor=ruleDescriptor)> void
m<ruleName>(<ruleDescriptor.parameterScope:parameterScope(>>)
{
EnterRule_<ruleName>();
EnterRule("<ruleName>", <ruleDescriptor.index>);
TraceIn("<ruleName>", <ruleDescriptor.index>);
<ruleScopeSetUp(>
<ruleDeclarations(>
try
{
<if(nakedBlock)>
<ruleMemoization(name=ruleName)>
<lexerRuleLabelDefs(>
<ruleDescriptor.actions.init>
<block>
<else>
int _type = <ruleName>;
int _channel = DefaultTokenChannel;
<ruleMemoization(name=ruleName)>
<lexerRuleLabelDefs(>
<ruleDescriptor.actions.init>
<block>
<ruleCleanUp(>
state.type = _type;
state.channel = _channel;
<(ruleDescriptor.actions.after):execAction(>
<endif>
}

```



```

finally
{
 TraceOut("<ruleName>", <ruleDescriptor.index>);
 LeaveRule("<ruleName>", <ruleDescriptor.index>);
 LeaveRule_<ruleName>();
 <ruleScopeCleanUp()>
 <memoize()>
}
}
// $ANTLR end "<ruleName>"
>>

/** How to generate code for the implicitly-defined lexer grammar rule
 * that chooses between lexer rules.
 */
tokensRule(ruleName,nakedBlock,args,block,ruleDescriptor) ::= <<

public override void mTokens()
{
 <block><\n>
}
>>

// S U B R U L E S

/** A (...) subrule with multiple alternatives */
block(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
// <fileName>:<description>
int alt<decisionNumber>=<maxAlt>;
<decls>
<@predecision()>
try { DebugEnterSubRule(<decisionNumber>);
try { DebugEnterDecision(<decisionNumber>, decisionCanBacktrack[<decisionNumber>]);
<decision>
} finally { DebugExitDecision(<decisionNumber>); }
<@postdecision()>
<@prebranch()>
switch (alt<decisionNumber>)
{
<alts:{a|<altSwitchCase(i,a)>}>
}
} finally { DebugExitSubRule(<decisionNumber>); }
<@postbranch()>
>>

/** A rule block with multiple alternatives */
ruleBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
// <fileName>:<description>

```

```

int alt<decisionNumber>=<maxAlt>;
<decls>
<@predecision()>
try { DebugEnterDecision(<decisionNumber>, decisionCanBacktrack[<decisionNumber>]);
<decision>
} finally { DebugExitDecision(<decisionNumber>); }
<@postdecision()>
switch (alt<decisionNumber>)
{
<alts:{a|altSwitchCase(i,a)}>
}
>>

```

```

ruleBlockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
// <fileName>:<description>
<decls>
<@prealt()>
DebugEnterAlt(1);
<alts>
<@postalt()>
>>

```

```

/** A special case of a (...) subrule with a single alternative */
blockSingleAlt(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,description) ::= <<
// <fileName>:<description>
<decls>
<@prealt()>
DebugEnterAlt(1);
<alts>
<@postalt()>
>>

```

```

/** A (..)+ block with 1 or more alternatives */
positiveClosureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::= <<
// <fileName>:<description>
int cnt<decisionNumber>=0;
<decls>
<@preloop()>
try { DebugEnterSubRule(<decisionNumber>);
while (true)
{
int alt<decisionNumber>=<maxAlt>;
<@predecision()>
try { DebugEnterDecision(<decisionNumber>, decisionCanBacktrack[<decisionNumber>]);
<decision>
} finally { DebugExitDecision(<decisionNumber>); }
<@postdecision()>

```

```

switch (alt<decisionNumber>)
{
<alts:{a|<altSwitchCase(i,a)>}>
default:
if (cnt<decisionNumber> >= 1)
goto loop<decisionNumber>;

<ruleBacktrackFailure()>
EarlyExitException eee<decisionNumber> = new EarlyExitException(<decisionNumber>, input);
DebugRecognitionException(eee<decisionNumber>);
<@earlyExitException()>
throw eee<decisionNumber>;
}
cnt<decisionNumber>++;
}
loop<decisionNumber>:
;

} finally { DebugExitSubRule(<decisionNumber>); }
<@postloop()>
>>

positiveClosureBlockSingleAlt ::= positiveClosureBlock

/** A (..)* block with 1 or more alternatives */
closureBlock(alts,decls,decision,enclosingBlockLevel,blockLevel,decisionNumber,maxK,maxAlt,description) ::=
<<
// <fileName>:<description>
<decls>
<@preloop()>
try { DebugEnterSubRule(<decisionNumber>);
while (true)
{
int alt<decisionNumber>=<maxAlt>;
<@predecision()>
try { DebugEnterDecision(<decisionNumber>, decisionCanBacktrack[<decisionNumber>]);
<decision>
} finally { DebugExitDecision(<decisionNumber>); }
<@postdecision()>
switch (alt<decisionNumber>)
{
<alts:{a|<altSwitchCase(i,a)>}>
default:
goto loop<decisionNumber>;
}
}

loop<decisionNumber>:

```

```

;

} finally { DebugExitSubRule(<decisionNumber>); }
<@postloop()>
>>

closureBlockSingleAlt ::= closureBlock

/** Optional blocks (x)? are translated to (x|) by before code generation
 * so we can just use the normal block template
 */
optionalBlock ::= block

optionalBlockSingleAlt ::= block

/** A case in a switch that jumps to an alternative given the alternative
 * number. A DFA predicts the alternative and then a simple switch
 * does the jump to the code that actually matches that alternative.
 */
altSwitchCase(altNum,alt) ::= <<
case <altNum>:
<@prealt()>
DebugEnterAlt(<altNum>);
<alt>
break;<\n>
>>

/** An alternative is just a list of elements; at outermost level */
alt(elements,altNum,description,autoAST,outerAlt,treeLevel,rew) ::= <<
// <fileName>:<description>
{
<@declarations()>
<elements:element()>
<rew>
<@cleanup()>
}
>>

/** What to emit when there is no rewrite. For auto build
 * mode, does nothing.
 */
noRewrite(rewriteBlockLevel, treeLevel) ::= ""

// E L E M E N T S

/** Dump the elements one per line */
element(it) ::= <%
<@prematch()>

```

```

DebugLocation(<it.line>, <it.pos>);<\n>
<it.el><\n>
%>

/** match a token optionally with a label in front */
tokenRef(token,label,elementIndex,terminalOptions={}) ::= <<
<if(label)><label>=(<labelType>)<endif>Match(input,<token>,Follow._<token>_in_<ruleName><elementIndex>);
<checkRuleBacktrackFailure()>
>>

/** ids+=ID */
tokenRefAndListLabel(token,label,elementIndex,terminalOptions={}) ::= <<
<tokenRef(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

listLabelElem(label,elem,elemType) ::= <<
if (list_<label>==null) list_<label>=new List<<elemType; null={<labelType}>>>();
list_<label>.Add(<elem>);<\n>
>>

/** match a character */
charRef(char,label) ::= <<
<if(label)>
<label> = input.LA(1);<\n>
<endif>
Match(<char>); <checkRuleBacktrackFailure()>
>>

/** match a character range */
charRangeRef(a,b,label) ::= <<
<if(label)>
<label> = input.LA(1);<\n>
<endif>
MatchRange(<a>,); <checkRuleBacktrackFailure()>
>>

/** For now, sets are interval tests and must be tested inline */
matchSet(s,label,elementIndex,postmatchCode="",terminalOptions={}) ::= <<
<if(label)>
<matchSetLabel()>
<endif>
if (<s>)
{
input.Consume();
<postmatchCode>
<if(!LEXER)>state.errorRecovery=false;<endif><if(backtracking)>state.failed=false;<endif>
}

```

```

else
{
<ruleBacktrackFailure()>
MismatchedSetException mse = new MismatchedSetException(null,input);
DebugRecognitionException(mse);
<@mismatchedSetException()>
<if(LEXER)>
Recover(mse);
throw mse;
<else>
throw mse;
<! use following code to make it recover inline; remove throw mse;
recoverFromMismatchedSet(input,mse,Follow._set_in_<ruleName><elementIndex>);
!>
<endif>
}<\n>
>>

matchSetUnchecked(s,label,elementIndex,postmatchCode=false) ::= <%
<if(label)>
<matchSetLabel()><\n>
<endif>
input.Consume();<\n>
<if(postmatchCode)>
<postmatchCode><\n>
<endif>
<if(!LEXER)>state.errorRecovery=false;<endif><if(backtracking)>state.failed=false;<endif>
%>

matchSetLabel() ::= <%
<if(LEXER)>
<label>= input.LA(1);
<else>
<label>=(<labelType>)input.LT(1);
<endif>
%>

matchRuleBlockSet ::= matchSet

matchSetAndListLabel(s,label,elementIndex,postmatchCode) ::= <<
<matchSet(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

/** Match a string literal */
lexerStringRef(string,label,elementIndex) ::= <%
<if(label)>
int <label>Start = CharIndex;<\n>

```

```

Match(<string>); <checkRuleBacktrackFailure()><\n>
int <label>StartLine<elementIndex> = Line;<\n>
int <label>StartCharPos<elementIndex> = CharPositionInLine;<\n>
<label> = new <labelType>(input, TokenTypes.Invalid, TokenChannels.Default, <label>Start, CharIndex-1);<\n>
<label>.Line = <label>StartLine<elementIndex>;<\n>
<label>.CharPositionInLine = <label>StartCharPos<elementIndex>;
<else>
Match(<string>); <checkRuleBacktrackFailure()><\n>
<endif>
%>

```

```

wildcard(token,label,elementIndex,terminalOptions={ }) ::= <<
<if(label)>
<label>=<labelType>input.LT(1);<\n>
<endif>
MatchAny(input); <checkRuleBacktrackFailure()>
>>

```

```

wildcardAndListLabel(token,label,elementIndex,terminalOptions={ }) ::= <<
<wildcard(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

```

```

/** Match . wildcard in lexer */
wildcardChar(label, elementIndex) ::= <<
<if(label)>
<label> = input.LA(1);<\n>
<endif>
MatchAny(); <checkRuleBacktrackFailure()>
>>

```

```

wildcardCharListLabel(label, elementIndex) ::= <<
<wildcardChar(...)>
<listLabelElem(elem=label,elemType=labelType,...)>
>>

```

```

/** Match a rule reference by invoking it possibly with arguments
 * and a return value or values. The 'rule' argument was the
 * target rule name, but now is type Rule, whose toString is
 * same: the rule name. Now though you can access full rule
 * descriptor stuff.
 */
ruleRef(rule,label,elementIndex,args,scope) ::= <<
PushFollow(Follow._<rule.name>_in_<ruleName><elementIndex>);
<if(label)><label>=<endif><if(scope)><scope:delegateName()>.<endif><rule.name; format="id"><args;
separator="," ">);
PopFollow();
<checkRuleBacktrackFailure()>

```

```
>>
```

```
/** ids+=r */
```

```
ruleRefAndListLabel(rule,label,elementIndex,args,scope) ::= <<
```

```
<ruleRef(...)>
```

```
<listLabelElem(elem=label,elemType={<ASTLabelType>},...)>
```

```
>>
```

```
/** A lexer rule reference.
```

```
*
```

```
* The 'rule' argument was the target rule name, but now
```

```
* is type Rule, whose toString is same: the rule name.
```

```
* Now though you can access full rule descriptor stuff.
```

```
*/
```

```
lexerRuleRef(rule,label,args,elementIndex,scope) ::= <%
```

```
<if(label)>
```

```
int <label>Start<elementIndex> = CharIndex;<\n>
```

```
int <label>StartLine<elementIndex> = Line;<\n>
```

```
int <label>StartCharPos<elementIndex> = CharPositionInLine;<\n>
```

```
<if(scope)><scope:delegateName().<endif>m<rule.name>(<args; separator="," ">);
```

```
<checkRuleBacktrackFailure()><\n>
```

```
<label> = new <labelType>(input, TokenTypes.Invalid, TokenChannels.Default, <label>Start<elementIndex>, CharIndex-1);<\n>
```

```
<label>.Line = <label>StartLine<elementIndex>;<\n>
```

```
<label>.CharPositionInLine = <label>StartCharPos<elementIndex>;
```

```
<else>
```

```
<if(scope)><scope:delegateName().<endif>m<rule.name>(<args; separator="," ">);
```

```
<checkRuleBacktrackFailure()>
```

```
<endif>
```

```
%>
```

```
/** i+=INT in lexer */
```

```
lexerRuleRefAndListLabel(rule,label,args,elementIndex,scope) ::= <<
```

```
<lexerRuleRef(...)>
```

```
<listLabelElem(elem=label,elemType=labelType,...)>
```

```
>>
```

```
/** EOF in the lexer */
```

```
lexerMatchEOF(label,elementIndex) ::= <%
```

```
<if(label)>
```

```
int <label>Start<elementIndex> = CharIndex;<\n>
```

```
int <label>StartLine<elementIndex> = Line;<\n>
```

```
int <label>StartCharPos<elementIndex> = CharPositionInLine;<\n>
```

```
Match(EOF); <checkRuleBacktrackFailure()><\n>
```

```
<labelType> <label> = new <labelType>(input, EOF, TokenChannels.Default, <label>Start<elementIndex>, CharIndex-1);<\n>
```

```
<label>.Line = <label>StartLine<elementIndex>;<\n>
```

```
<label>.CharPositionInLine = <label>StartCharPos<elementIndex>;
```



```

<else>
Match(EOF); <checkRuleBacktrackFailure()>
<endif>
%>

// used for left-recursive rules
recRuleDefArg() ::= "int <recRuleArg()>"
recRuleArg() ::= "_p"
recRuleAltPredicate(ruleName,opPrec) ::= "<recRuleArg()> |<= <opPrec>"
recRuleSetResultAction() ::= "root_0=$<ruleName>_primary.tree;"
recRuleSetReturnAction(src,name) ::= "$<name>=$<src>.<name>;"

/** match ^(root children) in tree parser */
tree(root, actionsAfterRoot, children, nullableChildList,
 enclosingTreeLevel, treeLevel) ::= <<
<root:element()>
<actionsAfterRoot:element()>
<if(nullableChildList)>
if (input.LA(1) == TokenType.Down)
{
 Match(input, TokenType.Down, null); <checkRuleBacktrackFailure()>
 <children:element()>
 Match(input, TokenType.Up, null); <checkRuleBacktrackFailure()>
}
<else>
Match(input, TokenType.Down, null); <checkRuleBacktrackFailure()>
<children:element()>
Match(input, TokenType.Up, null); <checkRuleBacktrackFailure()>
<endif>
>>

/** Every predicate is used as a validating predicate (even when it is
 * also hoisted into a prediction expression).
 */
validateSemanticPredicate(pred,description) ::= <<
if (!(<evalPredicate(...)>))
{
 <ruleBacktrackFailure()>
 throw new FailedPredicateException(input, "<ruleName>", "<description>");
}
>>

// F i x e d D F A (if-then-else)

dfaState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
int LA<decisionNumber>_<k> = input.LA(<k>);<n>
<edges; separator="\nelse ">
<if(!isTrue.(last(edges).labelExpr) && (!last(edges).predicates))>

```

```

else
{
<if(eotPredictsAlt)>
alt<decisionNumber> = <eotPredictsAlt>;
<else>
<ruleBacktrackFailure()>
NoViableAltException nvae = new NoViableAltException("<description>", <decisionNumber>, <stateNumber>,
input, <k>);
DebugRecognitionException(nvae);
<@noViableAltException()>
throw nvae;
<endif>
}
<endif>
>>

```

```

/** Same as a normal DFA state except that we don't examine lookahead
 * for the bypass alternative. It delays error detection but this
 * is faster, smaller, and more what people expect. For (X)? people
 * expect "if (LA(1)==X) match(X);" and that's it.
 */
dfaOptionalBlockState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
int LA<decisionNumber>_<k> = input.LA(<k>);<\n>
<edges; separator="\nelse ">
>>

```

```

/** A DFA state that is actually the loopback decision of a closure
 * loop. If end-of-token (EOT) predicts any of the targets then it
 * should act like a default clause (i.e., no error can be generated).
 * This is used only in the lexer so that for ('a')* on the end of a rule
 * anything other than 'a' predicts exiting.
 */
dfaLoopbackState(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
int LA<decisionNumber>_<k> = input.LA(<k>);<\n>
<edges; separator="\nelse "><\n>
<if(eotPredictsAlt)>
<if(!edges)>
alt<decisionNumber> = <eotPredictsAlt>;<! if no edges, don't gen ELSE !>
<else>
else
{
alt<decisionNumber> = <eotPredictsAlt>;
}<\n>
<endif>
<endif>
>>

```

```

/** An accept state indicates a unique alternative has been predicted */

```

```
dfaAcceptState(alt) ::= "alt<decisionNumber> = <alt>";
```

```
/** A simple edge with an expression. If the expression is satisfied,
 * enter to the target state. To handle gated productions, we may
 * have to evaluate some predicates for this edge.
 */
```

```
dfaEdge(labelExpr, targetState, predicates) ::= <<
if ((<labelExpr><if(predicates)> && (<predicates><endif>)
{
 <targetState>
}
>>
```

```
// F i x e d D F A (switch case)
```

```
/** A DFA state where a SWITCH may be generated. The code generator
 * decides if this is possible: CodeGenerator.canGenerateSwitch().
 */
```

```
dfaStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch (input.LA(<k>))
{
 <edges; separator="\n">
 default:
 <if(eotPredictsAlt)>
 alt<decisionNumber>=<eotPredictsAlt>;
 break;<\n>
 <else>
 {
 <ruleBacktrackFailure()>
 NoViableAltException nvae = new NoViableAltException("<description>", <decisionNumber>, <stateNumber>,
input, <k>);
 DebugRecognitionException(nvae);
 <@noViableAltException()>
 throw nvae;
 }
 <endif>
}<\n>
>>
```

```
dfaOptionalBlockStateSwitch(k,edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch (input.LA(<k>))
{
 <edges; separator="\n">
}<\n>
>>
```

```
dfaLoopbackStateSwitch(k, edges,eotPredictsAlt,description,stateNumber,semPredState) ::= <<
switch (input.LA(<k>))
```

```

{
<edges; separator="\n">
<if(eotPredictsAlt)>
default:
alt<decisionNumber>=<eotPredictsAlt>;
break;<\n>
<endif>
}<\n>
>>

dfaEdgeSwitch(labels, targetState) ::= <<
<labels: {it|case <it>:}; separator="\n">
{
<targetState>
}
break;
>>

// C y c l i c D F A

/** The code to initiate execution of a cyclic DFA; this is used
 * in the rule to predict an alt just like the fixed DFA case.
 * The <name> attribute is inherited via the parser, lexer, ...
 */
dfaDecision(decisionNumber,description) ::= <<
try
{
alt<decisionNumber> = dfa<decisionNumber>.Predict(input);
}
catch (NoViableAltException nvae)
{
DebugRecognitionException(nvae);
throw;
}
>>

/* Dump DFA tables as run-length-encoded Strings of octal values.
 * Can't use hex as compiler translates them before compilation.
 * These strings are split into multiple, concatenated strings.
 * Java puts them back together at compile time thankfully.
 * Java cannot handle large static arrays, so we're stuck with this
 * encode/decode approach. See analysis and runtime DFA for
 * the encoding methods.
 */
cyclicDFA(dfa) ::= <<
private class DFA<dfa.decisionNumber> : DFA
{
private const string DFA<dfa.decisionNumber>_eotS =

```

```

"<dfa.javaCompressedEOT; wrap="\n\t\>";
private const string DFA<dfa.decisionNumber>_eofS =
"<dfa.javaCompressedEOF; wrap="\n\t\>";
private const string DFA<dfa.decisionNumber>_minS =
"<dfa.javaCompressedMin; wrap="\n\t\>";
private const string DFA<dfa.decisionNumber>_maxS =
"<dfa.javaCompressedMax; wrap="\n\t\>";
private const string DFA<dfa.decisionNumber>_acceptS =
"<dfa.javaCompressedAccept; wrap="\n\t\>";
private const string DFA<dfa.decisionNumber>_specialS =
"<dfa.javaCompressedSpecial; wrap="\n\t\>>";
private static readonly string[] DFA<dfa.decisionNumber>_transitionS =
{
<dfa.javaCompressedTransition: {s|<s; wrap="\n\t\>"; separator=",\n">
};

private static readonly short[] DFA<dfa.decisionNumber>_eot =
DFA.UnpackEncodedString(DFA<dfa.decisionNumber>_eotS);
private static readonly short[] DFA<dfa.decisionNumber>_eof =
DFA.UnpackEncodedString(DFA<dfa.decisionNumber>_eofS);
private static readonly char[] DFA<dfa.decisionNumber>_min =
DFA.UnpackEncodedStringToUnsignedChars(DFA<dfa.decisionNumber>_minS);
private static readonly char[] DFA<dfa.decisionNumber>_max =
DFA.UnpackEncodedStringToUnsignedChars(DFA<dfa.decisionNumber>_maxS);
private static readonly short[] DFA<dfa.decisionNumber>_accept =
DFA.UnpackEncodedString(DFA<dfa.decisionNumber>_acceptS);
private static readonly short[] DFA<dfa.decisionNumber>_special =
DFA.UnpackEncodedString(DFA<dfa.decisionNumber>_specialS);
private static readonly short[][] DFA<dfa.decisionNumber>_transition;

static DFA<dfa.decisionNumber>()
{
int numStates = DFA<dfa.decisionNumber>_transitionS.Length;
DFA<dfa.decisionNumber>_transition = new short[numStates][];
for (int i=0; i < numStates; i++)
{
DFA<dfa.decisionNumber>_transition[i] =
DFA.UnpackEncodedString(DFA<dfa.decisionNumber>_transitionS[i]);
}
}

public DFA<dfa.decisionNumber>(BaseRecognizer recognizer<if(dfa.specialStateSTs)>,
SpecialStateTransitionHandler specialStateTransition<endif>)
<if(dfa.specialStateSTs)>
: base(specialStateTransition)
<endif>
{
this.recognizer = recognizer;

```

```

this.decisionNumber = <dfa.decisionNumber>;
this.eot = DFA<dfa.decisionNumber>_eot;
this.eof = DFA<dfa.decisionNumber>_eof;
this.min = DFA<dfa.decisionNumber>_min;
this.max = DFA<dfa.decisionNumber>_max;
this.accept = DFA<dfa.decisionNumber>_accept;
this.special = DFA<dfa.decisionNumber>_special;
this.transition = DFA<dfa.decisionNumber>_transition;
}

public override string Description { get { return "<dfa.description>"; } }

public override void Error(NoViableAltException nvae)
{
 DebugRecognitionException(nvae);
}
}<\n>
<if(dfa.specialStateSTs)>
private int SpecialStateTransition<dfa.decisionNumber>(DFA dfa, int s, IIntStream _input)<! throws
NoViableAltException!>
{
 <if(LEXER)>
 IIntStream input = _input;
 <endif>
 <if(PARSER)>
 ITokenStream input = (ITokenStream)_input;
 <endif>
 <if(TREE_PARSER)>
 ITreeNodeStream input = (ITreeNodeStream)_input;
 <endif>
 int _s = s;
 s = -1;
 <! pull these outside the switch cases to save space on locals !>
 int LA<dfa.decisionNumber>_1 = input.LA(1);
 int index<dfa.decisionNumber>_1 = input.Index;
 switch (_s)
 {
 <dfa.specialStateSTs: {state |case <i0>:<! compressed special state numbers 0..n-1 !>
 <state>}; separator="\n">

 default:
 break;
 }

 if (s >= 0)
 return s;

 <if(backtracking)>

```

```

if (state.backtracking > 0) {state.failed=true; return -1;}
<endif>
NoViableAltException nvae = new NoViableAltException(dfa.Description, <dfa.decisionNumber>, _s, input);
dfa.Error(nvae);
throw nvae;
}
<endif>
>>

/** A state in a cyclic DFA; it's a special state and part of a big switch on
 * state.
 */
cyclicDFAState(decisionNumber,stateNumber,edges,needErrorClause,semPredState) ::= <<
{
<if(semPredState)>
<! get next lookahead symbol to test edges, then rewind !>
input.Rewind();
<endif>
<edges; separator="\nelse ">
<if(semPredState)>
<! return input cursor to state before we rewound !>
input.Seek(index<decisionNumber>_1);
<endif>
break;
}
>>

/** Just like a fixed DFA edge, test the lookahead and indicate what
 * state to jump to next if successful.
 */
cyclicDFAEdge(labelExpr, targetStateNumber, edgeNumber, predicates) ::= <<
if ((<labelExpr><if(predicates)> && (<predicates><endif>)) {s = <targetStateNumber>;}<\n>
>>

/** An edge pointing at end-of-token; essentially matches any char;
 * always jump to the target.
 */
eotDFAEdge(targetStateNumber,edgeNumber, predicates) ::= <<
s = <targetStateNumber>;<\n>
>>

// D F A E X P R E S S I O N S

andPredicates(left,right) ::= "(<left>&&<right>)"

orPredicates(operands) ::= "(<operands; separator=\\|\\>)"

```

```

notPredicate(pred) ::= "!(<evalPredicate(...)>)"

evalPredicate(pred,description) ::= "<pred>"

evalSynPredicate(pred,description) ::= "EvaluatePredicate(<pred>_fragment)"

lookaheadTest(atom,k,atomAsInt) ::= "LA<decisionNumber>_<k>===<atom>"

/** Sometimes a lookahead test cannot assume that LA(k) is in a temp variable
 * somewhere. Must ask for the lookahead directly.
 */
isolatedLookaheadTest(atom,k,atomAsInt) ::= "input.LA(<k>)===<atom>"

lookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::= <%
(LA<decisionNumber>_<k><ge()><lower> && LA<decisionNumber>_<k><le()><upper>)
%>

isolatedLookaheadRangeTest(lower,upper,k,rangeNumber,lowerAsInt,upperAsInt) ::=
"(input.LA(<k>)<ge()><lower> && input.LA(<k>)<le()><upper>)"

le() ::= "\<="
ge() ::= ">="

setTest(ranges) ::= <<
<ranges; separator="|">
>>

// A T T R I B U T E S

attributeScope(scope) ::= <<
<if(scope)>
<if(scope.attributes)>
protected sealed partial class <scope.name>_scope
{
<scope.attributes:{ it|public <it.decl>;}; separator="\n">
}
<if(scope.actions.scopeinit)>
protected void <scope.name>_scopeInit(<scope.name>_scope scope)
{
<scope.actions.scopeinit>
}
<else>
protected virtual void <scope.name>_scopeInit(<scope.name>_scope scope) { }
<endif>
<if(scope.actions.scopeafter)>
protected void <scope.name>_scopeAfter(<scope.name>_scope scope)
{
<scope.actions.scopeafter>
}
}

```



```

}
<else>
protected virtual void <scope.name>_scopeAfter(<scope.name>_scope scope) {}
<endif>
protected readonly ListStack\<<scope.name>_scope> <scope.name>_stack = new
ListStack\<<scope.name>_scope>();
<endif>
<endif>
>>

globalAttributeScope(scope) ::= <<
<attributeScope(...)>
>>

ruleAttributeScope(scope) ::= <<
<attributeScope(...)>
>>

returnStructName(it) ::= "<it.name>_return"

returnType(ruleDescriptor) ::= <%
<if(ruleDescriptor.returnScope.attributes && ruleDescriptor.hasMultipleReturnValues)>
<ruleDescriptor.grammar.recognizerName>.<ruleDescriptor:returnStructName()>
<elseif(ruleDescriptor.hasMultipleReturnValues)>
<ruleReturnBaseType()>
<elseif(ruleDescriptor.hasSingleReturnValue)>
<ruleDescriptor.singleValueReturnType>
<else>
void
<endif>
%>

/** Generate the C# type associated with a single or multiple return
 * values.
 */
ruleLabelType(referencedRule) ::= <%
<if(referencedRule.hasMultipleReturnValues)>
<ruleReturnBaseType()>
<elseif(referencedRule.hasSingleReturnValue)>
<referencedRule.singleValueReturnType>
<else>
void
<endif>
%>

delegateName(it) ::= <<
<if(it.label)><it.label><else>g<it.name><endif>
>>

```

```

/** Using a type to init value map, try to init a type; if not in table
 * must be an object, default value is "null".
 */
initValue(typeName) ::= <<
default(<typeName>)
>>

/** Define a rule label including default value */
ruleLabelDef(label) ::= <%
<ruleLabelType(referencedRule=label.referencedRule)> <label.label.text> =
<initValue(typeName=ruleLabelType(referencedRule=label.referencedRule))>;
%>

/** Define a return struct for a rule if the code needs to access its
 * start/stop tokens, tree stuff, attributes, ... Leave a hole for
 * subgroups to stick in members.
 */
returnScope(scope) ::= <<
<if(scope.attributes && ruleDescriptor.hasMultipleReturnValues)>
<returnScopeModifier(grammar=grammar,ruleDescriptor=ruleDescriptor)> sealed partial class
<ruleDescriptor:returnStructName()> : <ruleReturnBaseType()><@ruleReturnInterfaces()>
{
<scope.attributes: {it|public <it.decl>;}; separator="\n">
<@ruleReturnMembers()>
}
<endif>
>>

ruleReturnBaseType() ::= <%
<if(TREE_PARSER)>Tree<else>Parser<endif>RuleReturnScope\<<labelType>>
%>

@returnScope.ruleReturnMembers() ::= <<
>>

parameterScope(scope) ::= <<
<scope.attributes: {it|<it.decl>;}; separator=", ">
>>

parameterAttributeRef(attr) ::= <<
<attr.name; format="id">
>>

parameterSetAttributeRef(attr,expr) ::= <<
<attr.name; format="id"> =<expr>;
>>

```

```

scopeAttributeRef(scope,attr,index,negIndex) ::= <%
<if(negIndex)>
<scope>_stack[<scope>_stack.Count - <negIndex> - 1].<attr.name; format="id">
<else>
<if(index)>
<scope>_stack[<index>].<attr.name; format="id">
<else>
<scope>_stack.Peek().<attr.name; format="id">
<endif>
<endif>
%>

```

```

scopeSetAttributeRef(scope,attr,expr,index,negIndex) ::= <%
<if(negIndex)>
<scope>_stack[<scope>_stack.Count - <negIndex> - 1].<attr.name; format="id"> = <expr>;
<else>
<if(index)>
<scope>_stack[<index>].<attr.name; format="id"> = <expr>;
<else>
<scope>_stack.Peek().<attr.name; format="id"> = <expr>;
<endif>
<endif>
%>

```

```

/** $x is either global scope or x is rule with dynamic scope; refers
 * to stack itself not top of stack. This is useful for predicates
 * like {$function.Count>0 && $function::name.Equals("foo")}?
 */
isolatedDynamicScopeRef(scope) ::= "<scope>_stack"

```

```

/** reference an attribute of rule; might only have single return value */
ruleLabelRef(referencedRule,scope,attr) ::= <%
<if(referencedRule.hasMultipleReturnValues)>
(<scope>!=null?(<<returnType(referencedRule)>><scope>).<attr.name; format="id">:<initValue(attr.type)>)
<else>
<scope>
<endif>
%>

```

```

returnAttributeRef(ruleDescriptor,attr) ::= <%
<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name; format="id">
<else>
<attr.name; format="id">
<endif>
%>

```

```

returnSetAttributeRef(ruleDescriptor,attr,expr) ::= <%

```

```

<if(ruleDescriptor.hasMultipleReturnValues)>
retval.<attr.name; format="id"> =<expr>;
<else>
<attr.name; format="id"> =<expr>;
<endif>
%>

/** How to translate $tokenLabel */
tokenLabelRef(label) ::= "<label>"

/** ids+=ID {$ids} or e+=expr {$e} */
listLabelRef(label) ::= "list_<label>"

// not sure the next are the right approach

tokenLabelPropertyRef_text(scope,attr) ::= "(<scope>!=null?<scope>.Text:default(string))"
tokenLabelPropertyRef_type(scope,attr) ::= "(<scope>!=null?<scope>.Type:0)"
tokenLabelPropertyRef_line(scope,attr) ::= "(<scope>!=null?<scope>.Line:0)"
tokenLabelPropertyRef_pos(scope,attr) ::= "(<scope>!=null?<scope>.CharPositionInLine:0)"
tokenLabelPropertyRef_channel(scope,attr) ::= "(<scope>!=null?<scope>.Channel:0)"
tokenLabelPropertyRef_index(scope,attr) ::= "(<scope>!=null?<scope>.TokenIndex:0)"
tokenLabelPropertyRef_tree(scope,attr) ::= "<scope>_tree"
tokenLabelPropertyRef_int(scope,attr) ::= "(<scope>!=null?int.Parse(<scope>.Text):0)"

ruleLabelPropertyRef_start(scope,attr) ::= "(<scope>!=null?((<labelType><scope>.Start):default(<labelType>))"
ruleLabelPropertyRef_stop(scope,attr) ::= "(<scope>!=null?((<labelType><scope>.Stop):default(<labelType>))"
ruleLabelPropertyRef_tree(scope,attr) ::=
"(<scope>!=null?((<ASTLabelType><scope>.Tree):default(<ASTLabelType>))"
ruleLabelPropertyRef_text(scope,attr) ::= <%
<if(TREE_PARSER)>
(<scope>!=null?(input.TokenStream.ToString(
input.TreeAdaptor.GetTokenStartIndex(<scope>.Start),
input.TreeAdaptor.GetTokenStopIndex(<scope>.Start))):default(string))
<else>
(<scope>!=null?input.ToString(<scope>.Start,<scope>.Stop):default(string))
<endif>
%>

ruleLabelPropertyRef_st(scope,attr) ::= "(<scope>!=null?<scope>.Template:null)"

/** Isolated $RULE ref ok in lexer as it's a Token */
lexerRuleLabel(label) ::= "<label>"

lexerRuleLabelPropertyRef_type(scope,attr) ::=
"(<scope>!=null?<scope>.Type:0)"

lexerRuleLabelPropertyRef_line(scope,attr) ::=

```

```

"(<scope>!=null?<scope>.Line:0)"

lexerRuleLabelPropertyRef_pos(scope,attr) ::=
"(<scope>!=null?<scope>.CharPositionInLine:-1)"

lexerRuleLabelPropertyRef_channel(scope,attr) ::=
"(<scope>!=null?<scope>.Channel:0)"

lexerRuleLabelPropertyRef_index(scope,attr) ::=
"(<scope>!=null?<scope>.TokenIndex:0)"

lexerRuleLabelPropertyRef_text(scope,attr) ::=
"(<scope>!=null?<scope>.Text:default(string))"

lexerRuleLabelPropertyRef_int(scope,attr) ::=
"(<scope>!=null?int.Parse(<scope>.Text):0)"

// Somebody may ref $template or $tree or $stop within a rule:
rulePropertyRef_start(scope,attr) ::= "retval.Start"
rulePropertyRef_stop(scope,attr) ::= "retval.Stop"
rulePropertyRef_tree(scope,attr) ::= "retval.Tree"
rulePropertyRef_text(scope,attr) ::= <%
<if(TREE_PARSER)>
input.TokenStream.ToString(
input.TreeAdaptor.GetTokenStartIndex(retval.Start),
input.TreeAdaptor.GetTokenStopIndex(retval.Start))
<else>
input.ToString(retval.Start,input.LT(-1))
<endif>
%>
rulePropertyRef_st(scope,attr) ::= "retval.Template"

lexerRulePropertyRef_text(scope,attr) ::= "Text"
lexerRulePropertyRef_type(scope,attr) ::= "_type"
lexerRulePropertyRef_line(scope,attr) ::= "state.tokenStartLine"
lexerRulePropertyRef_pos(scope,attr) ::= "state.tokenStartCharPositionInLine"
lexerRulePropertyRef_index(scope,attr) ::= "-1" // undefined token index in lexer
lexerRulePropertyRef_channel(scope,attr) ::= "_channel"
lexerRulePropertyRef_start(scope,attr) ::= "state.tokenStartCharIndex"
lexerRulePropertyRef_stop(scope,attr) ::= "(CharIndex-1)"
lexerRulePropertyRef_int(scope,attr) ::= "int.Parse(<scope>.Text)"

// setting $st and $tree is allowed in local rule. everything else
// is flagged as error
ruleSetPropertyRef_tree(scope,attr,expr) ::= "retval.Tree = <expr>;"
ruleSetPropertyRef_st(scope,attr,expr) ::= "retval.Template =<expr>;"

/** How to execute an action (only when not backtracking) */

```

```

execAction(action) ::= <%
<if(backtracking)>
if (<actions.(actionScope).synpredgate><\n>
{<\n>
<@indentedAction()><\n>
}
<else>
<action>
<endif>
%>

@execAction.indentedAction() ::= <<
<action>
>>

/** How to always execute an action even when backtracking */
execForcedAction(action) ::= "<action>"

// M I S C (properties, etc...)

bitset(name, words64) ::= <<
public static readonly BitSet <name> = new BitSet(new ulong[] { <words64: {it|<it>UL}; separator="," > });
>>

codeFileExtension() ::= ".cs"

true_value() ::= "true"
false_value() ::= "false"

isTrue ::= [
"true" : true,
default : false
]

Found in path(s):
* /opt/cola/permits/1274703855_1645234694.1/0/antlr-3-5-2-sources-
jar/org/antlr/codegen/templates/CSharp2/CSharp2.stg

```

## 1.300 xmlunit-xmlunit-core 2.8.4

### 1.300.1 Available under license :

No license file was found, but licenses were detected in source scan.

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\*/

Found in path(s):

- \* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/diff/ElementSelector.java
- \* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/input/ElementContentWhitespaceStrippedSource.java
- \* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/validation/Languages.java
- \* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/diff/ByNameAndTextRecSelector.java
- \* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/util/DocumentBuilderFactoryConfigurer.java
- \* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/input/WhitespaceStrippedSource.java
- \* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/diff/ComparisonType.java
- \* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/builder/TransformationBuilderInterface.java
- \* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/validation/ValidationProblem.java
- \* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/validation/Validator.java
- \* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/diff/ComparisonListener.java
- \* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/diff/DefaultConditionalSelectorBuilder.java
- \* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/util/IsNullPredicate.java
- \* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/package-info.java
- \* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/transform/package-info.java
- \* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/util/Predicate.java
- \* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/validation/ValidationHandler.java
- \* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/diff/ComparisonController.java
- \* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-

jar/org/xmlunit/diff/NodeMatcher.java  
\* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/diff/ComparisonListenerSupport.java  
\* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/transform/Transformation.java  
\* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/diff/ChildNodeXPathContextProvider.java  
\* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/diff/package-info.java  
\* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/xpath/package-info.java  
\* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/validation/ParsingValidator.java  
\* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/diff/RecursiveXPathBuilder.java  
\* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/validation/package-info.java  
\* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/input/WhitespaceNormalizedSource.java  
\* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/validation/JAXPValidator.java  
\* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/input/package-info.java  
\* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/XMLUnitException.java  
\* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/util/TransformerFactoryConfigurer.java  
\* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/builder/Input.java  
\* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/validation/ValidationResult.java  
\* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/builder/Transform.java  
\* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/diff/DifferenceEngine.java  
\* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/util/Mapper.java  
\* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/util/Nodes.java  
\* /opt/cola/permits/1337069548\_1654853866.4929678/0/xmlunit-core-2-8-4-sources-jar/org/xmlunit/diff/DifferenceEvaluator.java  
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## 1.301 hibernate-validator 6.2.3.Final

### 1.301.1 Available under license :

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## 1.302 metrics-core-library 2.2.0

## 1.302.1 Available under license :

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# 1.303 spring-cloud-sleuth-instrumentation

## 3.0.5

### 1.303.1 Available under license :

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jar/org/springframework/cloud/sleuth/instrument/web/mvc/TracingAsyncClientHttpRequestInterceptor.java  
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# 1.304 spring-cloud-commons 3.0.5

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# 1.306 spring-boot-reactor-netty-starter 2.6.6

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# 1.307 fabric8-::-kubernetes-model-::- admission-registration,-authentication-and- authorization 5.12.1

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## 1.308 zipkin-reporter-core 2.16.1

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\* /opt/cola/permits/1340815575\_1654853808.9992003/0/zipkin-reporter-2-16-1-sources-jar/zipkin2/reporter/ByteBoundedQueue.java

\* /opt/cola/permits/1340815575\_1654853808.9992003/0/zipkin-reporter-2-16-1-sources-jar/zipkin2/reporter/InMemoryReporterMetrics.java

\* /opt/cola/permits/1340815575\_1654853808.9992003/0/zipkin-reporter-2-16-1-sources-jar/zipkin2/reporter/Reporter.java

\* /opt/cola/permits/1340815575\_1654853808.9992003/0/zipkin-reporter-2-16-1-sources-jar/zipkin2/reporter/BytesMessageEncoder.java

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\* /opt/cola/permits/1340815575\_1654853808.9992003/0/zipkin-reporter-2-16-1-sources-jar/zipkin2/reporter/internal/InternalReporter.java  
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# 1.309 argparse 0.7.0

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\* /opt/cola/permits/1183892247\_1627494500.91/0/argparse4j-0-7-0-sources-3-  
jar/net/sourceforge/argparse4j/impl/type/CaseInsensitiveEnumArgumentType.java  
\* /opt/cola/permits/1183892247\_1627494500.91/0/argparse4j-0-7-0-sources-3-  
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jar/net/sourceforge/argparse4j/inf/Namespace.java
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jar/net/sourceforge/argparse4j/inf/ArgumentAction.java
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jar/net/sourceforge/argparse4j/impl/type/StringArgumentType.java
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jar/net/sourceforge/argparse4j/helper/TextHelper.java
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jar/net/sourceforge/argparse4j/inf/Subparser.java
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\* /opt/cola/permits/1183892247\_1627494500.91/0/argparse4j-0-7-0-sources-3-jar/net/sourceforge/argparse4j/helper/ASCIITextWidthCounter.java  
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\* /opt/cola/permits/1183892247\_1627494500.91/0/argparse4j-0-7-0-sources-3-jar/net/sourceforge/argparse4j/impl/action/AppendArgumentAction.java  
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## 1.310 fabric8-::-kubernetes-model-::-node

### 5.12.1

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## 1.311 spring-boot-test 2.6.6

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## 1.313 spring-commons-logging-bridge 5.3.18

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