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# 1.8 powermock-module-junit4 1.6.1

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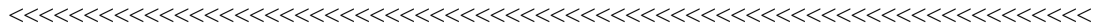
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```
<program> Copyright (C) <year> <name of author>
```

```
This program comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
```

```
This is free software, and you are welcome to redistribute it under certain conditions; type `show c' for details.
```

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## 1.15 asm 5.0.3

## 1.15.1 Available under license :

```
/**
 * ASM: a very small and fast Java bytecode manipulation framework
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 *
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 * modification, are permitted provided that the following conditions
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 * THE POSSIBILITY OF SUCH DAMAGE.
 */
```

## 1.16 commons-io 2.5

### 1.16.1 Available under license :

```
<!DOCTYPE html>
<html lang="en">
<head>
<meta charset="utf-8">
<meta http-equiv="X-UA-Compatible" content="IE=edge">
<meta name="viewport" content="width=device-width, initial-scale=1">
<meta name="description" content="Home page of The Apache Software Foundation">

<link rel="apple-touch-icon" sizes="57x57" href="/favicons/apple-touch-icon-57x57.png">
<link rel="apple-touch-icon" sizes="60x60" href="/favicons/apple-touch-icon-60x60.png">
<link rel="apple-touch-icon" sizes="72x72" href="/favicons/apple-touch-icon-72x72.png">
<link rel="apple-touch-icon" sizes="76x76" href="/favicons/apple-touch-icon-76x76.png">
<link rel="apple-touch-icon" sizes="114x114" href="/favicons/apple-touch-icon-114x114.png">
```

```

<link rel="apple-touch-icon" sizes="120x120" href="/favicons/apple-touch-icon-120x120.png">
<link rel="apple-touch-icon" sizes="144x144" href="/favicons/apple-touch-icon-144x144.png">
<link rel="apple-touch-icon" sizes="152x152" href="/favicons/apple-touch-icon-152x152.png">
<link rel="apple-touch-icon" sizes="180x180" href="/favicons/apple-touch-icon-180x180.png">
<link rel="icon" type="image/png" href="/favicons/favicon-32x32.png" sizes="32x32">
<link rel="icon" type="image/png" href="/favicons/favicon-194x194.png" sizes="194x194">
<link rel="icon" type="image/png" href="/favicons/favicon-96x96.png" sizes="96x96">
<link rel="icon" type="image/png" href="/favicons/android-chrome-192x192.png" sizes="192x192">
<link rel="icon" type="image/png" href="/favicons/favicon-16x16.png" sizes="16x16">
<link rel="manifest" href="/favicons/manifest.json">
<link rel="shortcut icon" href="/favicons/favicon.ico">
<meta name="msapplication-TileColor" content="#603cba">
<meta name="msapplication-TileImage" content="/favicons/mstile-144x144.png">
<meta name="msapplication-config" content="/favicons/browserconfig.xml">
<meta name="theme-color" content="#303284">

```

```

<title>Apache License, Version 2.0</title>
<link href='https://fonts.googleapis.com/css?family=Source+Sans+Pro:400,700%7cDroid+Serif:400,700'
rel='stylesheet' type='text/css'>
<link href="/css/min.bootstrap.css" rel="stylesheet">
<link href="/css/styles.css" rel="stylesheet">

```

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```
</head>
```

```
<body>
```

```
<!-- Navigation -->
```

```
<header>
```

```
<nav class="navbar navbar-default navbar-fixed-top">
```

```
<div class="container">
```

```
<div class="navbar-header">
```

```
<button class="navbar-toggle" type="button" data-toggle="collapse" data-target="#mainnav-collapse">
```

```
<span class="sr-only">Toggle navigation</span>
```

```
<span class="icon-bar"></span>
```

```
<span class="icon-bar"></span>
```

```
<span class="icon-bar"></span>
```

```
</button>
```

```
<a href="#" class="navbar-brand"><span class="glyphicon glyphicon-home"></span></a>
```

```
</div>
```

```

<div class="collapse navbar-collapse" id="mainnav-collapse">
  <div style="line-height:20px; padding-top:5px; float:left"><a href="/">Home</a>&nbsp;&raquo;&nbsp;&nbsp;<a
href="/licenses/">Licenses</a></div>
  <ul class="nav navbar-nav navbar-right">
    <li class="dropdown">
      <a href="#" class="dropdown-toggle" data-toggle="dropdown">About <span class="caret"></span></a>
      <ul class="dropdown-menu" role="menu">
        <li><a href="/foundation">Overview</a></li>
        <li><a href="/foundation/members.html">Members</a></li>
        <li><a href="/foundation/how-it-works.html">Process</a></li>
        <li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
        <li><a href="/foundation/glossary.html">Glossary</a></li>
        <li><a href="/foundation/preFAQ.html">FAQ</a></li>
        <li><a href="/foundation/contact.html ">Contact</a></li>
      </ul>
    </li>
    <li><a href="/index.html#projects-list">Projects</a></li>
    <li class="dropdown">
      <a href="#" class="dropdown-toggle" data-toggle="dropdown">People <span class="caret"></span></a>
      <ul class="dropdown-menu" role="menu">
        <li><a href="http://people.apache.org/">Overview</a></li>
        <li><a href="http://people.apache.org/committer-index.html">Committers</a></li>
        <li><a href="/foundation/how-it-works.html#meritocracy">Meritocracy</a></li>
        <li><a href="/foundation/how-it-works.html#roles">Roles</a></li>
        <li><a href="http://planet.apache.org/">Planet Apache</a></li>
      </ul>
    </li>
    <li class="dropdown">
      <a href="#" class="dropdown-toggle" data-toggle="dropdown">Get Involved <span
class="caret"></span></a>
      <ul class="dropdown-menu" role="menu">
        <li><a href="/foundation/getinvolved.html">Overview</a></li>
        <li><a href="http://community.apache.org/">Community Development</a></li>
        <li><a href="http://helpwanted.apache.org/">Help Wanted</a></li>
        <li><a href="http://www.apachecon.com/">ApacheCon</a></li>
      </ul>
    </li>
    <li><a href="/dyn/closer.cgi">Download</a></li>
    <li class="dropdown">
      <a href="#" class="dropdown-toggle" data-toggle="dropdown">Support Apache <span
class="caret"></span></a>
      <ul class="dropdown-menu" role="menu">
        <li><a href="/foundation/sponsorship.html">Sponsorship</a></li>
        <li><a href="/foundation/contributing.html">Donations</a></li>
        <li><a href="/foundation/buy_stuff.html">Buy Stuff</a></li>
        <li><a href="/foundation/thanks.html">Thanks</a></li>
      </ul>
    </li>
  </ul>

```

```

        </ul>
    </div>
</div>
</nav>
</header>
<!-- / Navigation -->
<div class="container">
    <div class="row">
        <div class="col-md-9 col-sm-8 col-xs-12">
            
            <a href="http://apache.org/foundation/contributing.html" title="Support Apache" style="margin-left: 150px;">
                
            </a>
        </div>
        <div class="col-md-3 col-sm-4 col-xs-12">
            <div class="input-group" style="margin-bottom: 5px;">
                <script>
(function() {
    var cx = '005703438322411770421:5mgshgrgx2u';
    var gcse = document.createElement('script');
    gcse.type = 'text/javascript';
    gcse.async = true;
    gcse.src = (document.location.protocol == 'https:' ? 'https:' : 'http:') +
        '//cse.google.com/cse.js?cx=' + cx;
    var s = document.getElementsByTagName('script')[0];
    s.parentNode.insertBefore(gcse, s);
})();
</script>
        <gcse:searchbox-only></gcse:searchbox-only>
    </div>
    <a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/governance/">The Apache Way</a>
    <a role="button" class="btn btn-block btn-default btn-xs"
href="https://community.apache.org/contributors/">Contribute</a>
    <a role="button" class="btn btn-block btn-default btn-xs" href="/foundation/thanks.html">ASF Sponsors</a>
    </div>
</div>
</div>
<div class="container"><style type="text/css">
/* The following code is added by mdx_elementid.py
    It was originally lifted from http://subversion.apache.org/style/site.css */
/*
* Hide class="elementid-permalink", except when an enclosing heading
* has the :hover property.
*/
.headerlink, .elementid-permalink {
    visibility: hidden;
}
h2:hover > .headerlink, h3:hover > .headerlink, h1:hover > .headerlink, h6:hover > .headerlink, h4:hover >

```

.headerlink, h5:hover > .headerlink, dt:hover > .elementid-permalink { visibility: visible }</style>

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</pre></div></div>

<!-- Footer -->

<footer class="bg-primary">

<div class="container">

<div class="row">

<br />

<div class="col-sm-1">

</div>

<div class="col-sm-2">

<h5 class="white">Community</h5>

<ul class="list-unstyled white" role="menu">

<li><a href="http://community.apache.org/">Overview</a></li>

```
<li><a href="/foundation/conferences.html">Conferences</a></li>
<li><a href="http://community.apache.org/gsoc.html">Summer of Code</a></li>
<li><a href="http://community.apache.org/newcomers/">Getting Started</a></li>
<li><a href="/foundation/how-it-works.html">The Apache Way</a></li>
<li><a href="/travel/">Travel Assistance</a></li>
<li><a href="/foundation/getinvolved.html">Get Involved</a></li>
<li><a href="http://community.apache.org/newbiefaq.html">Community FAQ</a></li>
<li><a href="/memorials/">Memorials</a></li>
</ul>
</div>
```

```
<div class="col-sm-2">
<h5 class="white">Innovation</h5>
<ul class="list-unstyled white" role="menu">
<li><a href="http://incubator.apache.org/">Incubator</a></li>
<li><a href="http://labs.apache.org/">Labs</a></li>
<li><a href="/licenses/">Licensing</a></li>
<li><a href="/foundation/license-faq.html">Licensing FAQ</a></li>
<li><a href="/foundation/marks/">Trademark Policy</a></li>
<li><a href="/foundation/contact.html">Contacts</a></li>
</ul>
</div>
```

```
<div class="col-sm-2">
<h5 class="white">Tech Operations</h5>
<ul class="list-unstyled white" role="menu">
<li><a href="/dev/">Developer Information</a></li>
<li><a href="/dev/infrastructure.html">Infrastructure</a></li>
<li><a href="/security/">Security</a></li>
<li><a href="http://status.apache.org">Status</a></li>
<li><a href="/foundation/contact.html">Contacts</a></li>
</ul>
</div>
```

```
<div class="col-sm-2">
<h5 class="white">Press</h5>
<ul class="list-unstyled white" role="menu">
<li><a href="/press/">Overview</a></li>
<li><a href="https://blogs.apache.org/">ASF News</a></li>
<li><a href="https://blogs.apache.org/foundation/">Announcements</a></li>
<li><a href="https://twitter.com/TheASF">Twitter Feed</a></li>
<li><a href="/press/#contact">Contacts</a></li>
</ul>
</div>
```

```
<div class="col-sm-2">
<h5 class="white">Legal</h5>
<ul class="list-unstyled white" role="menu">
```

```
<li><a href="/legal/">Legal Affairs</a></li>
<li><a href="/licenses/">Licenses</a></li>
<li><a href="/foundation/marks/">Trademark Policy</a></li>
<li><a href="/foundation/records/">Public Records</a></li>
  <li><a href="/foundation/policies/privacy.html">Privacy Policy</a></li>
<li><a href="/licenses/exports/">Export Information</a></li>
<li><a href="/foundation/license-faq.html">License/Distribution FAQ</a></li>
<li><a href="/foundation/contact.html">Contacts</a></li>
</ul>
</div>
```

```
<div class="col-sm-1">
</div>
```

```
</div>
```

```
<hr class="col-lg-12 hr-white" />
```

```
<div class="row">
```

```
<div class="col-lg-12">
```

```
<p class="text-center">Copyright © 2017 The Apache Software Foundation, Licensed under the <a
class="white" href="http://www.apache.org/licenses/LICENSE-2.0">Apache License, Version 2.0</a>.</p>
```

```
<p class="text-center">Apache and the Apache feather logo are trademarks of The Apache Software
Foundation.</p>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
</footer>
```

```
<!-- / Footer -->
```

```
<script src="/js/jquery-2.1.1.min.js"></script>
```

```
<script src="/js/bootstrap.js"></script>
```

```
</body>
```

```
</html>
```

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## 1.40 base-passwd 3.5.44

### 1.40.1 Available under license :

Format-Specification: <http://svn.debian.org/wsvn/dep/web/deps/dep5.mdwn?op=file&rev=135>

Name: base-passwd

Maintainer: Colin Watson <cjwatson@debian.org>

Files: update-passwd.c, man/\*

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Files: passwd.master, group.master

License: PD

X-Notes: Originally written by Ian Murdock <imurdock@debian.org> and

Bruce Perens <bruce@pixar.com>.

Files: doc/\*

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## 1.41 coreutils 8.28-1ubuntu1

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This is the Debian GNU/Linux packaged version of the GNU core  
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This package is maintained by Michael Stone <mstone@debian.org> and  
built from sources obtained from:

<ftp://ftp.gnu.org/gnu/coreutils/coreutils-8.24.tar.xz>

This debian package was first created by Michael Stone <mstone@debian.org>,  
from coreutils 4.5.1.

Changes:

- \* added Debian GNU/Linux package maintenance system files
- \* at times, bug fixes awaiting inclusion in the upstream source

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lib/fts.c

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lib/rand-isaac.[ch]

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lib/inet\_ntop.c

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m4/autobuild.m4

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doc/coreutils.texi (The GNU Coreutils Manual)

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## 1.42 findutils 4.6.0+git+20170828-2

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Debian maintainer history: The original package was put together by Ian Murdock <[imurdock@debian.org](mailto:imurdock@debian.org)>, afterwards Kevin Dalley <[kevind@rahul.net](mailto:kevind@rahul.net)> took over. 2003-07 Andreas Metzler <[ametzler@debian.org](mailto:ametzler@debian.org)> followed.

Upstream Authors:

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\* GNU xargs was originally written by Mike Rendell, with enhancements by David MacKenzie. Modifications by James Youngman Dmitry V. Levin

\* GNU locate and its associated utilities were originally written by James Woods, with enhancements by David MacKenzie, James Youngman and Bas van Gompel.

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GNUPG Natural Resources Canada 1998-08-11

Disclaims changes by Matthew Skala.

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g10/free-packet.c, g10/mdfilter.c, g10/plaintext.c, util/iobuf.c)

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Code marked with ChangeLog entries of g10 Code employees.

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CTS/MAC flags, self test improvements)

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LIBGCRYPT Moritz Schulte 2003-04-17

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GNUTLS Nikolaos Mavrogiannopoulos 2003-11-22

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Original code for cipher/rfc2268.c.

LIBGCRYPT The Written Word 2005-04-15

Assigns past and future changes. (new: src/libcrypt.pc.in,  
src/Makefile.am, src/secmem.c, mpi/hppa1.1/mpih-mul3.S,  
mpi/hppa1.1/udiv-qrnd.S, mpi/hppa1.1/mpih-mul2.S,  
mpi/hppa1.1/mpih-mul1.S, mpi/Makefile.am, tests/prime.c,



tests/register.c, tests/ac.c, tests/basic.c, tests/tsexp.c,  
tests/keygen.c, tests/pubkey.c, configure.ac, acinclude.m4)

LIBGCRYPT Brad Hards 2006-02-09

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(Added OFB mode. Changed cipher/cipher.c, test/basic.c doc/gcrypt.tex.  
added SHA-224, changed cipher/sha256.c, added HMAC tests.)

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(SEED cipher)

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## 1.47 Isb 9.20170808ubuntu1

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Upstream-Name: LSB implementation package

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## 1.49 sysv-init 2.88dsf-59.10ubuntu1

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Init was written by Miquel van Smoorenburg <miquels@cistron.nl>.

This package was first put together by Bruce Perens <Bruce@Pixar.com> from pre-distribution sources. Ian Murdock <imurdock@debian.org> integrated it into the base system maintained it until the end of 1995. Miquel van Smoorenburg <miquels@cistron.nl> implemented Debian support. In version 2.85 the package was split into three (sysvinit, sysv-rc, and initscripts) in order to make room for alternative rc mechanisms.

The upstream source is available at:

Primary-Site: [ftp.cistron.nl/pub/people/miquels/software](ftp://cistron.nl/pub/people/miquels/software)  
92K sysvinit-2.86.tar.gz  
Alternate-Site: [sunsite.unc.edu/pub/Linux/system/daemons/init](http://sunsite.unc.edu/pub/Linux/system/daemons/init)  
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Send patches to [sysvinit-devel@nongnu.org](mailto:sysvinit-devel@nongnu.org).

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The of the start-stop-daemon:

- \* A rewrite of the original Debian's start-stop-daemon Perl script
- \* in C (faster - it is executed many times during system startup).
- \*
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## 1.50 zlib 1.2.11.dfsg-0ubuntu2

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Files-Excluded:

contrib/ada  
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contrib/dotzlib  
contrib/gcc\_gvmat64  
contrib/infbck9  
contrib/inflate86  
contrib/iostream  
contrib/iostream2  
contrib/iostream3  
contrib/masmx64  
contrib/masmx86  
contrib/pascal  
contrib/puff  
contrib/testzlib  
contrib/untgz  
contrib/vstudio  
doc/rfc\*

This is the pre-packaged Debian Linux version of the zlib compression library. It was packaged by Michael Alan Dorman <mdorman@debian.org> from sources originally retrieved from ftp.uu.net in the directory /pub/archiving/zip/zlib as the file zlib-1.0.4.tar.gz.

There is a homepage at <http://www.gzip.org/zlib/>

Acknowledgments:

The deflate format used by zlib was defined by Phil Katz. The deflate

and zlib specifications were written by Peter Deutsch. Thanks to all the people who reported problems and suggested various improvements in zlib; they are too numerous to cite here.

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jloup@gzip.org      madler@alumni.caltech.edu

## 1.51 bsdmainutils 1.1.2ubuntu1

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Then the package has been maintained by Charles Briscoe-Smith <cpbs@debian.org>. I gathered data for the 1999-2001 calendar files from various sources on the Internet, and I'd also like to thank Oliver Elphick, Julian Gilbey, Daniel Martin and Jaldhar H. Vyas for providing much useful data on the various religious calendars. I have edited the files they provided to fit calendar's requirements, so any errors should be attributed to me.



After cpbs@debian.org, Marco d'Itri <md@linux.it> maintained it for almost two years, before Tollef Fog Heen <tfheen@debian.org> took over. The package is now maintained by Graham Wilson <bob@decoy.wox.org>.

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Format: <http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: Isof

Upstream-Contact: <https://lists.rcac.purdue.edu/listinfo/Isof-1>

Source: <ftp://Isof.itap.purdue.edu/pub/tools/unix/Isof/>

Comment: The following changes were made to the upstream tarball:

- 1.) The directory dialects/uw was removed for being non-DFSG and not needed in Debian.
- 2.) The main source was a tarball within a tarball. Only the innermost tarball has been retained.
- 3.) The top-level directory has been stripped away as it embedded the version number making packaging more difficult.

Files: \*

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1996, Dominik Kubla <[dominik@debian.org](mailto:dominik@debian.org)>

1997, Michael Meskes <[meskes@debian.org](mailto:meskes@debian.org)>

1998-2002, Jim Mintha <[jmintha@debian.org](mailto:jmintha@debian.org)>

2004-2009, Norbert Tretkowski <[nobse@debian.org](mailto:nobse@debian.org)>

2012, Raoul Gunnar Borenus <[borenus@dfn.de](mailto:borenus@dfn.de)>

2012, Nicholas Bamber <nicholas@peript.co.uk>

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Files: dialects/freebsd/include/procfs/pfsnode.h

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dialects/darwin/libproc/dfile.c dialects/darwin/libproc/dmnt.c dialects/darwin/libproc/machine.h [portins thereof]

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Files: scripts/sort\_res.perl5

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Files: regex.h lib/regex.c [portions thereof]

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Files: lib/snpf.c

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## 1.61 python-apt 1.6.4

## 1.62 lz4 0.0~r131-2ubuntu3

### 1.62.1 Available under license :

Format: <http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: lz4

Source: <https://github.com/Cyan4973/lz4>

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## 1.64 debconf 1.5.66ubuntu1

## 1.65 friendly-recovery 0.2.38ubuntu1.1

## 1.66 alpine-keys 2.1 r2

## 1.67 libtls standalone 2.9.1 r0

## 1.68 readline 8.0.0 r0

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\* /opt/cola/permits/1000000713\_1654022962.973248/0/osgi-resource-locator-1-0-1-sources-  
 jar/org/glassfish/hk2/osgiresourcelocator/ResourceFinderImpl.java  
 \* /opt/cola/permits/1000000713\_1654022962.973248/0/osgi-resource-locator-1-0-1-sources-  
 jar/org/glassfish/hk2/osgiresourcelocator/ServiceLoaderImpl.java  
 \* /opt/cola/permits/1000000713\_1654022962.973248/0/osgi-resource-locator-1-0-1-sources-  
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 jar/org/glassfish/hk2/osgiresourcelocator/ResourceFinder.java

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```

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## 1.73 vixie-cron 3.0pl1-128.1ubuntu1

### 1.73.1 Available under license :

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\*/

\$Id: INSTALL,v 2.5 1994/01/15 20:43:43 vixie Exp \$

Read the comments at the top of the Makefile, then edit the area marked  
'configurable stuff'.

Edit config.h. The stuff I expect you to change is down a bit from the  
top of the file, but it's clearly marked. Also look at pathnames.h.

You don't have to create the /var/cron or /var/cron/tabs directories, since  
both the daemon and the `crontab' program will do this the first time they  
run if they don't exist. You do need to have a /var, though -- just "mkdir  
/var" if you don't have one, or you can "mkdir /usr/var; ln -s /usr/var /var"  
if you expect your /var to have a lot of stuff in it.

You will also need /usr/local/etc and /usr/local/bin directories unless you  
change the Makefile. These will have to be created by hand, but if you are  
a long-time Usenet user you probably have them already. /usr/local/man is  
where I keep my man pages, but I have the source for `man' and you probably  
do not. Therefore you may have to put the man pages into /usr/man/man1,  
which will be hard since there will be name collisions. (Note that the man  
command was originally written by Bill Joy before he left Berkeley, and it  
contains no AT&T code, so it is in UUNET's archive of freely-distributable  
BSD code.)

LINUX note: /usr/include/paths.h on some linux systems shows \_PATH\_SENDMAIL  
to be /usr/bin/sendmail even though sendmail is installed in /usr/lib.  
you should check this out.

say:  
make all

su and say:  
make install

Note that if I can get you to "su and say" something just by asking, you have  
a very serious security problem on your system and you should look into it.

Edit your /usr/lib/crontab file into little pieces -- see the CONVERSION file  
for help on this.

Use the `crontab` command to install all the little pieces you just created.  
Some examples (see below before trying any of these!)

```
crontab -u uucp -r /usr/lib/uucp/crontab.src
crontab -u news -r /usr/lib/news/crontab.src
crontab -u root -r /usr/adm/crontab.src
```

Notes on above examples: (1) the .src files are copied at the time the command is issued; changing the source files later will have no effect until they are reinstalled with another `crontab -r` command. (2) The crontab command will affect the crontab of the person using the command unless `u USER` is given; `u` only works for root. When using most `su` commands under most BSD's, `crontab` will still think of you as yourself even though you may think of yourself as root -- so use `u` liberally. (3) the `-r` option stands for `replace`; check the man page for crontab(1) for other possibilities.

Kill your existing cron daemon -- do `ps aux` and look for /etc/cron.

Edit your /etc/rc or /etc/rc.local, looking for the line that starts up /etc/cron. Comment it out and add a line to start the new cron daemon -- usually /usr/local/etc/cron, unless you changed it in the Makefile.

Start up this cron daemon yourself as root. Just type /usr/local/etc/cron (or whatever); no '&' is needed since the daemon forks itself and the process you executed returns immediately.

ATT notes: for those people unfortunate enough to be stuck on a AT&T UNIX, you will need the public-domain "libndir", found in the B News source and in any comp.sources.unix archive. You will also need to hack the code some.

Found in path(s):

```
* /opt/cola/permits/1000024126_1689656429.127653/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/INSTALL
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```

Found in path(s):

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\*/

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\* /opt/cola/permits/1000024126\_1689656429.127653/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/do\_command.c

\* /opt/cola/permits/1000024126\_1689656429.127653/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/cron.c

\* /opt/cola/permits/1000024126\_1689656429.127653/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/database.c

\* /opt/cola/permits/1000024126\_1689656429.127653/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/entry.c

\* /opt/cola/permits/1000024126\_1689656429.127653/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/config.h

\* /opt/cola/permits/1000024126\_1689656429.127653/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/job.c

\* /opt/cola/permits/1000024126\_1689656429.127653/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/user.c

\* /opt/cola/permits/1000024126\_1689656429.127653/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/misc.c

\* /opt/cola/permits/1000024126\_1689656429.127653/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/compat.c

\* /opt/cola/permits/1000024126\_1689656429.127653/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/cron.h

\* /opt/cola/permits/1000024126\_1689656429.127653/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/env.c

\* /opt/cola/permits/1000024126\_1689656429.127653/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/crontab.c

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*
* @(#)bitstring.h 5.2 (Berkeley) 4/4/90
*/
```

Found in path(s):

```
*/opt/cola/permits/1000024126_1689656429.127653/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/bitstring.h
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```
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*/opt/cola/permits/1000024126_1689656429.127653/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/cron.8
*/opt/cola/permits/1000024126_1689656429.127653/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/crontab.5
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```

```
*
```

```
* Send bug reports, bug fixes, enhancements, requests, flames, etc., and
```

```
* I'll try to keep a version up to date. I can be reached as follows:
```

```
* Paul Vixie <paul@vix.com> uunet!decwrl!vixie!paul
```

```
*/
```

Found in path(s):

```
*/opt/cola/permits/1000024126_1689656429.127653/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/externs.h
```

```
* /opt/cola/permits/1000024126_1689656429.127653/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/compat.h
* /opt/cola/permits/1000024126_1689656429.127653/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/pathnames.h
```

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# */
```

Vixie Cron V3.0

December 27, 1993

[V2.2 was some time in 1992]

[V2.1 was May 29, 1991]

[V2.0 was July 5, 1990]

[V2.0-beta was December 9, 1988]

[V1.0 was May 6, 1987]

Paul Vixie

This is a version of 'cron' that is known to run on BSD 4.[23] systems. It is functionally based on the SysV cron, which means that each user can have their own crontab file (all crontab files are stored in a read-protected directory, usually /var/cron/tabs). No direct support is provided for 'at'; you can continue to run 'atrun' from the crontab as you have been doing. If you don't have atrun (i.e., System V) you are in trouble.

A messages is logged each time a command is executed; also, the files "allow" and "deny" in /var/cron can be used to control access to the "crontab" command (which installs crontabs). It hasn't been tested on SysV, although some effort has gone into making the port an easy one.

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To use this: Sorry, folks, there is no cutesy 'Configure' script. You'll have to go edit a couple of files... So, here's the checklist:

Read all the FEATURES, INSTALL, and CONVERSION files

Edit config.h

Edit Makefile

(both of these files have instructions inside; note that some things in config.h are definable in Makefile and are therefore surrounded by #ifndef...#endif)

'make'

'su' and 'make install'

(you may have to install the man pages by hand)

kill your existing cron process

(actually you can run your existing cron if you want, but why?)

build new crontabs using /usr/lib/{crontab,crontab.local}

(either put them all in "root"'s crontab, or divide it up and rip out all the 'su' commands, collapse the lengthy lists into ranges with steps -- basically, this step is as much work as you want to make it)

start up the new cron

(must be done as root)

watch it. test it with 'crontab -r' and watch the daemon track your changes.

if you like it, change your /etc/{rc,rc.local} to use it instead of the old one.

\$Id: README,v 2.3 1993/12/28 08:34:43 vixie Exp \$

Found in path(s):

\* /opt/cola/permits/1000024126\_1689656429.127653/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/README

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

/\*

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\*/

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\* /opt/cola/permits/1000024126\_1689656429.127653/0/cron-3-0pl1-orig-1-tar-gz/cron-3.0pl1.orig/popen.c

# 1.74 acpid 2.0.28-1ubuntu1

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## 1.77 fuse 2.9.7-1ubuntu1

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```

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```
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```

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## 1.78 efibootmgr 15-1

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```
WEV @@ WEV[B "1
```

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```
x ?"U@,5 @mISmIN<GimCN7g1uIE
43mI,5WEV @@ WEV @mImImIAmImImI0mImImI*mImI
A0mImImI...
lost+found...
```

```
;9GimCN7g
```

```
!"#$%&'()*+,-
./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~
```

```
!"#$%&'()*+,-
./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~
```

```
!"#$%&'()*+,-
./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~
```

```
!"#$%&'()*+,-
./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^_`abcdefghijklmnopqrstuvwxyz{|}~WEV @@
WEV[B "1
```

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```

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- \*/

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## 1.83 pygobject 3.26.1-2ubuntu1

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## 1.86 pollinate 4.33-0ubuntu1~18.04.1

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and what the program that uses the Library does.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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@subheading END OF TERMS AND CONDITIONS

@page

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@end smallexample

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```
@smallexample
```

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the library
`Frob' (a library for tweaking knobs) written by James Random Hacker.
```

```
@var{signature of Ty Coon}, 1 April 1990
```

```
Ty Coon, President of Vice
```

```
@end smallexample
```

That's all there is to it!

This subpackage is under the GPL, see file COPYING in the toplevel directory.

The libasprintf package is under the LGPL, see file COPYING.LIB.

```
@c The GNU General Public License.
```

```
@center Version 2, June 1991
```

```
@c This file is intended to be included within another document,
```

```
@c hence no sectioning command or @node.
```

```
@display
```

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Copyright @copyright{ } 1989, 1991 Free Software Foundation, Inc.
51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA
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@end display
```

```
@heading Preamble
```

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@end enumerate

@iftex

@heading END OF TERMS AND CONDITIONS

@end iftex

@ifinfo

@center END OF TERMS AND CONDITIONS

@end ifinfo

@page

@heading Appendix: How to Apply These Terms to Your New Programs

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@smallexample

@var{one line to give the program's name and a brief idea of what it does.}

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@end smallexample

Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

@smallexample

Gnomovision version 69, Copyright (C) @var{year} @var{name of author}

Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.

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@end smallexample

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@example

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`Gnomovision' (which makes passes at compilers) written by James Hacker.

@var{signature of Ty Coon}, 1 April 1989

Ty Coon, President of Vice

@end example

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```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

```
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(at your option) any later version.
```

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```

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<program> Copyright (C) <year> <name of author>

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Version 2.1, February 1999

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- the documentation.

## 1.92 Ixc 3.0.3-0ubuntu1~18.04.1

## 1.92.1 Available under license :

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Upstream-Contact: lxc-devel@lists.linuxcontainers.org

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## 1.93 wget 1.19.4-1ubuntu2.2

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Version 3, 29 June 2007

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## 1.94 mpdecimal 2.4.2-1ubuntu1

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## 1.95 nghttp 1.30.0-1ubuntu1

### 1.95.1 Available under license :

Format: <https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: nghttp2

Upstream-Contact: Tatsuhiro Tsujikawa <t-tujikawa@users.sourceforge.net>

Source: <https://github.com/tatsuhiro-t/nghttp2>

Files: \*

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Upstream-Name: LibYAML

Upstream-Contact: Kirill Simonov <xi@resolvent.net>

Source: <http://pyyaml.org/wiki/LibYAML>

Files: \*

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## 1.99 rsync 3.1.2-2.1ubuntu1

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This is Debian's prepackaged version of Andrew Tridgell and Paul Mackerras' rsync utility.

This package provides the rsync program, which is a replacement for rcp that uses the rsync algorithm to transfer only the differences between two sets of files.

This package was put together by Philip Hands <phil@hands.com>, from sources obtained from:

<http://rsync.samba.org/ftp/rsync/rsync-2.5.4.tar.gz>

The current version was downloaded from:

<http://rsync.samba.org/ftp/rsync/src/rsync-3.1.0.tar.gz>

on 2013-09-30 by Paul Slootman <paul@debian.org> .

The changes were very minimal - merely adding support for the Debian package maintenance scheme by adding various debian/\* files.

The only significant change is passing the -4 / -6 options through to ssh.

See the debian/patches/ directory.

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# 1.100 libidn 1.33-2.1ubuntu1.2

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Upstream-Name: Libidn

Upstream-Contact: Simon Josefsson <[simon@josefsson.org](mailto:simon@josefsson.org)>

Source: <https://www.gnu.org/software/libidn/>

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```
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```
func initGpl2() {
  Licenses["gpl2"] = License{
    Name:      "GNU General Public License 2.0",
    PossibleMatches: []string{"gpl2", "gnu gpl2", "gplv2"},
    Header: `
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```

```

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```

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```

```
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```

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`  
}  
}
```

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\*/

```
// Package legal provides in-process storage for compiled-in licenses.  
package legal
```

```
var licenses []string
```

```
// RegisterLicense stores the license text.
// It doesn't check whether the text was already present.
func RegisterLicense(text string) {
    licenses = append(licenses, text)
    return
}

// Licenses returns a slice of the licenses.
func Licenses() []string {
    return licenses
}
```

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Version 3, 29 June 2007

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package cmd

```
func initBsdClause2() {  
    Licenses["frebsd"] = License{  
        Name: "Simplified BSD License",  
        PossibleMatches: []string{"frebsd", "simpbsd", "simple bsd", "2-clause bsd",  
            "2 clause bsd", "simplified bsd license"},  
        Header: `All rights reserved.`  
    }
```

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```
`  
`  
`  
`  
`
```

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\*/

```
package legal
```

```
import (  
    "testing"  
)
```

```
func TestRegisterLicense(t *testing.T) {  
    initial := len(licenses)  
    RegisterLicense("dummy")  
    if initial+1 != len(licenses) {  
        t.Fatal("didn't add a license")  
    }  
}
```

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```
package cmd
```

```
func initMit() {
```

```
    Licenses["mit"] = License{
```

```
        Name:      "MIT License",
```

```
        PossibleMatches: []string{"mit"},
```

```
        Header: `
```

```
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```
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    Licenses["bsd"] = License{
        Name:      "NewBSD",
        PossibleMatches: []string{"bsd", "newbsd", "3 clause bsd", "3-clause bsd"},
        Header: `All rights reserved.`
    }
}
```

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func initApache2() {

```
Licenses["apache"] = License{
  Name:      "Apache 2.0",
  PossibleMatches: []string{"apache", "apache20", "apache 2.0", "apache2.0", "apache-2.0"},
  Header: `
```

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```
`  
}  
}
```

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mgo - MongoDB driver for Go

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Paul Borman <borman@google.com>

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```
func initLgpl() {
  Licenses["lgpl"] = License{
    Name:      "GNU Lesser General Public License",
    PossibleMatches: []string{"lgpl", "lesser gpl", "gnu lgpl"},
    Header: `
```

```
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the Free Software Foundation, either version 3 of the License, or
(at your option) any later version.
```

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```
Text: `      GNU LESSER GENERAL PUBLIC LICENSE
          Version 3, 29 June 2007
```

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```

```
package cmd
```

```
func initGpl3() {
    Licenses["gpl3"] = License{
        Name: "GNU General Public License 3.0",
        PossibleMatches: []string{"gpl3", "gplv3", "gpl", "gnu gpl3", "gnu gpl"},
        Header: `
```

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```
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```

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`  
,

```
}  
}  
package cmd
```

```
func initAgpl() {  
    Licenses["agpl"] = License{  
        Name: "GNU Affero General Public License",  
        PossibleMatches: []string{"agpl", "affero gpl", "gnu agpl"},  
        Header: `  
This program is free software: you can redistribute it and/or modify  
it under the terms of the GNU Affero General Public License as published by  
the Free Software Foundation, either version 3 of the License, or  
(at your option) any later version.
```

```
`  
This program 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 Affero General Public License for more details.
```

```
`  
You should have received a copy of the GNU Affero General Public License  
along with this program. If not, see <http://www.gnu.org/licenses/>.  
Text: ` GNU AFFERO GENERAL PUBLIC LICENSE  
Version 3, 19 November 2007
```

```
`  
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```
`  
`  
}  
}
```

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shawnps

theory

jboverfelt

dsymonds

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package cmd

import (

  "strings"

  "time"

  "github.com/spf13/viper"

)

// Licenses contains all possible licenses a user can choose from.

var Licenses = make(map[string]License)

// License represents a software license agreement, containing the Name of

// the license, its possible matches (on the command line as given to cobra),

// the header to be used with each file on the file's creating, and the text

// of the license

type License struct {

  Name       string // The type of license in use

  PossibleMatches []string // Similar names to guess

  Text       string // License text data

```

Header    string // License header for source files
}

func init() {
// Allows a user to not use a license.
Licenses["none"] = License{"None", []string{"none", "false"}, "", ""}

initApache2()
initMit()
initBsdClause3()
initBsdClause2()
initGpl2()
initGpl3()
initLgpl()
initAgpl()
}

// getLicense returns license specified by user in flag or in config.
// If user didn't specify the license, it returns Apache License 2.0.
//
// TODO: Inspect project for existing license
func getLicense() License {
// If explicitly flagged, use that.
if userLicense != "" {
return findLicense(userLicense)
}

// If user wants to have custom license, use that.
if viper.IsSet("license.header") || viper.IsSet("license.text") {
return License{Header: viper.GetString("license.header"),
Text: viper.GetString("license.text")}
}

// If user wants to have built-in license, use that.
if viper.IsSet("license") {
return findLicense(viper.GetString("license"))
}

// If user didn't set any license, use Apache 2.0 by default.
return Licenses["apache"]
}

func copyrightLine() string {
author := viper.GetString("author")

year := viper.GetString("year") // For tests.
if year == "" {
year = time.Now().Format("2006")
}
}

```

```

}

return "Copyright " + year + " " + author
}

// findLicense looks for License object of built-in licenses.
// If it didn't find license, then the app will be terminated and
// error will be printed.
func findLicense(name string) License {
    found := matchLicense(name)
    if found == "" {
        er("unknown license: " + name)
    }
    return Licenses[found]
}

// matchLicense compares the given a license name
// to PossibleMatches of all built-in licenses.
// It returns blank string, if name is blank string or it didn't find
// then appropriate match to name.
func matchLicense(name string) string {
    if name == "" {
        return ""
    }
}

for key, lic := range Licenses {
    for _, match := range lic.PossibleMatches {
        if strings.EqualFold(name, match) {
            return key
        }
    }
}

return ""
}

```

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## 1.103 tar 1.29b-2ubuntu0.1

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```

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```
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## 1.104 iconv 2.27-3ubuntu1

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## 1.105 pciutils 3.5.2-1ubuntu1.1

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/**
 * This interface defines a protocol for the reporting of
 * errors during JavaScript translation in IDE-mode.
 * If the {@link org.mozilla.javascript.Parser}'s error reporter is
 * set to an instance of this interface, then this interface's
 * {@link #warning} and {@link #error} methods are called instead
 * of the {@link org.mozilla.javascript.ErrorReporter} versions. <p>
 *
 * These methods take a source char offset and a length. The
 * rationale is that in interactive IDE-type environments, the source
 * is available and the IDE will want to indicate where the error
 * occurred and how much code participates in it. The start and length
 * are generally chosen to fit within a single line, for readability,
 * but the client is free to use the AST to determine the affected
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 *
 * @author Steve Yegge
 */
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// throws a special exception. This ensures execution of all pending
```

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/*  
* During the great date rewrite of 1.3, we tried to track the  
* evolving ECMA standard, which then had a definition of  
* getYear which always subtracted 1900. Which we  
* implemented, not realizing that it was incompatible with  
* the old behavior... now, rather than thrash the behavior  
* yet again, we've decided to leave it with the - 1900  
* behavior and point people to the getFullYear method. But  
* we try to protect existing scripts that have specified a  
* version...  
*/
```

Found in path(s):

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jar/org/mozilla/javascript/v8dtoa/FastDtoa.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/v8dtoa/CachedPowers.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/v8dtoa/DiyFp.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/v8dtoa/DoubleHelper.java
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 jar/org/mozilla/javascript/tools/resources/Messages.properties  
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jar/org/mozilla/javascript/optimizer/OptRuntime.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/DefiningClassLoader.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/commonjs/module/provider/ModuleSource.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/annotations/JSConstruktor.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/commonjs/module/ModuleScript.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/commonjs/module/ModuleScriptProvider.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/tools/jsc/Main.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/xmlimpl/XmlProcessor.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/commonjs/module/provider/URLConnectionExpiryCalculator.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/optimizer/OptFunctionNode.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/optimizer/OptTransformer.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/optimizer/Optimizer.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/commonjs/module/RequireBuilder.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/commonjs/module/provider/ParsedContentType.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/annotations/JSStaticFunction.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/commonjs/module/provider/StrongCachingModuleScriptProvider.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/optimizer/Block.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/commonjs/module/provider/UrlModuleSourceProvider.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/commonjs/module/ModuleScope.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/commonjs/module/provider/URLConnectionSecurityDomainProvider.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/RhinoSecurityManager.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/commonjs/module/provider/ModuleSourceProviderBase.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/SecureCaller.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/tools/SourceReader.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/commonjs/module/provider/DefaultURLConnectionExpiryCalculator.java



```
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/annotations/JSSetter.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/annotations/JSFunction.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/commonjs/module/provider/MultiModuleScriptProvider.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/commonjs/module/provider/ModuleSourceProvider.java
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jar/org/mozilla/javascript/commonjs/module/provider/SoftCachingModuleScriptProvider.java
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jar/org/mozilla/javascript/PolicySecurityController.java
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jar/org/mozilla/javascript/annotations/JSGetter.java
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jar/org/mozilla/javascript/commonjs/module/provider/CachingModuleScriptProviderBase.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/commonjs/module/Require.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/ScriptStackElement.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/xmlimpl/XmlNode.java
No license file was found, but licenses were detected in source scan.
```

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Found in path(s):

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* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/tools/debugger/build.xml
No license file was found, but licenses were detected in source scan.
```

```
/* -*- Mode: java; tab-width: 4; indent-tabs-mode: 1; c-basic-offset: 4 -*-
*
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* License, v. 2.0. If a copy of the MPL was not distributed with this
* file, You can obtain one at http://mozilla.org/MPL/2.0/. */
```

Found in path(s):

```
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/tools/idswitch/SwitchGenerator.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/NativeJSON.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/json/JsonParser.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/IdScriptableObject.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
jar/org/mozilla/javascript/tools/idswitch/Main.java
* /opt/cola/permits/1000041506_1646171446.64/0/rhino-1-7r4-sources-
```

jar/org/mozilla/javascript/tools/idswitch/CodePrinter.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/tools/idswitch/FileBody.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/NativeMath.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/tools/idswitch/IdValuePair.java  
No license file was found, but licenses were detected in source scan.

```
/* -*- Mode: java; tab-width: 8; indent-tabs-mode: nil; c-basic-offset: 4 -*-  
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* This Source Code Form is subject to the terms of the Mozilla Public  
* License, v. 2.0. If a copy of the MPL was not distributed with this  
* file, You can obtain one at http://mozilla.org/MPL/2.0/. */
```

Found in path(s):

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jar/org/mozilla/javascript/ast/KeywordLiteral.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-  
jar/org/mozilla/javascript/serialize/ScriptableInputStream.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/XMLRef.java  
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\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/Name.java

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\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/JavaScriptException.java

\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/ScriptNode.java

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\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/PropertyGet.java  
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 jar/org/mozilla/javascript/ScriptableObject.java



\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ast/ContinueStatement.java  
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\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/xmlimpl/XMLName.java  
\* /opt/cola/permits/1000041506\_1646171446.64/0/rhino-1-7r4-sources-jar/org/mozilla/javascript/ObjArray.java

# 1.108 velocity 1.7

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# 1.109 libonig 6.7.0-1

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## 1.110 libtool 2.4.6-2

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Version 2.1, February 1999

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

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- b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.
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- d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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# 1.115 policykit 0.105-20ubuntu0.18.04.5

## 1.115.1 Available under license :

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<p>
</p>
<pre class="programlisting">          GNU LIBRARY GENERAL PUBLIC LICENSE
          Version 2, June 1991

```

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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software

sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to



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5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

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```
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```

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\*uganda.txt\* For Vim version 8.1. Last change: 2018 May 17

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\*iccf\* \*ICCF\*

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- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.
- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.
- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.
- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.
- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED\_BY define.

=====  
Kibaale Children's Centre \*kcc\* \*Kibaale\* \*charity\*

Kibaale Children's Centre (KCC) is located in Kibaale, a small town in the south of Uganda, near Tanzania, in East Africa. The area is known as Rakai District. The population is mostly farmers. Although people are poor, there is enough food. But this district is suffering from AIDS more than any other part of the world. Some say that it started there. Estimations are that 10 to 30% of the Ugandans are infected with HIV. Because parents die, there are many orphans. In this district about 60,000 children have lost one or both parents, out of a population of 350,000. And this is still continuing.

The children need a lot of help. The KCC is working hard to provide the needy with food, medical care and education. Food and medical care to keep them healthy now, and education so that they can take care of themselves in the future. KCC works on a Christian base, but help is given to children of any religion.

The key to solving the problems in this area is education. This has been neglected in the past years with president Idi Amin and the following civil wars. Now that the government is stable again, the children and parents have to learn how to take care of themselves and how to avoid infections. There is also help for people who are ill and hungry, but the primary goal is to

prevent people from getting ill and to teach them how to grow healthy food.

Most of the orphans are living in an extended family. An uncle or older sister is taking care of them. Because these families are big and the income (if any) is low, a child is lucky if it gets healthy food. Clothes, medical care and schooling is beyond its reach. To help these needy children, a sponsorship program was put into place. A child can be financially adopted. For a few dollars a month KCC sees to it that the child gets indispensable items, is healthy, goes to school and KCC takes care of anything else that needs to be done for the child and the family that supports it.

Besides helping the child directly, the environment where the child grows up needs to be improved. KCC helps schools to improve their teaching methods. There is a demonstration school at the centre and teacher trainings are given. Health workers are being trained, hygiene education is carried out and households are stimulated to build a proper latrine. I helped setting up a production site for cement slabs. These are used to build a good latrine. They are sold below cost price.

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).

\*donate\*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

Compared with other organizations that do child sponsorship the amounts are very low. This is because the money goes directly to the centre. Less than 5% is used for administration. This is possible because this is a small organization that works with volunteers. If you would like to sponsor a child, you should have the intention to do this for at least one year.

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have

visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

If you have any further questions, send me e-mail: <Bram@vim.org>.

The address of the centre is:

Kibaale Children's Centre  
p.o. box 1658  
Masaka, Uganda, East Africa

Sending money: \*iccf-donations\*

Check the ICCF web site for the latest information! See [iccf] for the URL.

USA: The methods mentioned below can be used.

Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.

For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly.

Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.

Kibaale Children's Fund c/o Pacific Academy  
10238-168 Street  
Surrey, B.C. V4N 1Z4  
Canada  
Phone: 604-581-5353

If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse.

This will allow for tax deduction if you live in Holland.

Postbank, nr. 4548774  
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return.

Check the ICCF web site for the latest information:

<http://iccf-holland.org/germany.html>

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is

in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form that you can use for this. See "Others" below for the swift code and IBAN number.  
Any other method should work. Ask for information about sponsorship.

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info:

[https://www.paypal.com/en\\_US/mrb/pal=XAC62PML3GF8Q](https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q)

The e-mail address for sending the money to is:

Bram@iccf-holland.org

For amounts above 400 Euro (\$500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:

Postbank, account 4548774

Swift code: INGB NL 2A

IBAN: NL95 INGB 0004 5487 74

under the name "stichting ICCF Holland", Lisse

If that doesn't work:

Rabobank Lisse, account 3765.05.117

Swift code: RABO NL 2U

under the name "Bram Moolenaar", Lisse

Otherwise, send a check in euro or US dollars to the address below. Minimal amount: \$70 (my bank does not accept smaller amounts for foreign check, sorry)

Address to send checks to:

Bram Moolenaar  
Finsterruetihof 1  
8134 Adliswil  
Switzerland

This address is expected to be valid for a long time.

vim:tw=78:ts=8:noet:ft=help:norl:

/\*

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\*

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\*/

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(XPM - X PixMap format version 2 & 3)

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" Vim syntax file

" Language: Software Distributor product specification file



```

" These regions are defined in attempt to do syntax checking for some
" of the attributes.
syn region psfAttTag matchgroup=psfAttrib start="^\s*tag\s\+" contains=psfObjTag,psfComment end="$" keepend
oneline

syn region psfAttSpec matchgroup=psfAttrib
start="^\s*(ancestor\|applied_patches\|applied_to\|contents\|corequisites\|exquisites\|prerequisites\|software_spec\|
supersedes\|superseded_by\)\s\+" contains=psfObjTag,psfAttAbbrev,psfComment end="$" keepend

syn region psfAttTags matchgroup=psfAttrib start="^\s*all_filesets\s\+" contains=psfObjTags,psfComment end="$"
keepend

syn region psfAttNumber matchgroup=psfAttrib
start="^\s*(compressed_size\|instance_id\|media_sequence_number\|sequence_number\|size)\s\+"
contains=psfNumber,psfComment end="$" keepend oneline

syn region psfAttTime matchgroup=psfAttrib start="^\s*(create_time\|ctime\|mod_time\|mtime\|timestamp)\s\+"
contains=psfNumber,psfComment end="$" keepend oneline

syn region psfAttFloat matchgroup=psfAttrib start="^\s*(data_model_revision\|layout_version)\s\+"
contains=psfFloat,psfComment end="$" keepend oneline

syn region psfAttLongDate matchgroup=psfAttrib start="^\s*install_date\s\+" contains=psfLongDate,psfComment
end="$" keepend oneline

syn region psfAttState matchgroup=psfAttrib start="^\s*(state)\s\+" contains=psfState,psfComment end="$"
keepend oneline

syn region psfAttPState matchgroup=psfAttrib start="^\s*(patch_state)\s\+" contains=psfPState,psfComment
end="$" keepend oneline

syn region psfAttBoolean matchgroup=psfAttrib
start="^\s*(is_kernel\|is_locatable\|is_patch\|is_protected\|is_reboot\|is_reference\|is_secure\|is_sparse)\s\+"
contains=psfBoolean,psfComment end="$" keepend oneline

syn match psfComment "#.*$"

```

```

" Define the default highlighting.
" Only when an item doesn't have highlighting yet

```

```

hi def link psfObject    Statement
hi def link psfAttrib    Type
hi def link psfQuotString String
hi def link psfObjTag    Identifier
hi def link psfAttAbbrev PreProc
hi def link psfObjTags   Identifier

```



hi def link psfComment    Comment

```
" Long descriptions and copyrights confuse the syntax highlighting, so  
" force vim to backup at least 100 lines before the top visible line  
" looking for a sync location.  
syn sync lines=100
```

```
let b:current_syntax = "psf"
```

# 1.119 mlocate 0.26-2ubuntu3.1

## 1.119.1 Available under license :

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Version 2, June 1991

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```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

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Yoyodyne, Inc., hereby disclaims all copyright interest in the program  
'Gnomovision' (which makes passes at compilers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice

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# canonicalize-lgpl.m4 serial 4

dnl Copyright (C) 2003, 2006-2007 Free Software Foundation, Inc.  
dnl This file is free software; the Free Software Foundation  
dnl gives unlimited permission to copy and/or distribute it,  
dnl with or without modifications, as long as this notice is preserved.

```
AC_DEFUN([gl_CANONICALIZE_LGPL],
[
  dnl Do this replacement check manually because the file name is shorter
  dnl than the function name.
  AC_CHECK_DECLS_ONCE(canonicalize_file_name)
  AC_CHECK_FUNCS_ONCE(canonicalize_file_name)
  if test $ac_cv_func_canonicalize_file_name = no; then
    AC_LIBOBJ(canonicalize-lgpl)
    AC_DEFINE([realpath], [rpl_realpath],
      [Define to a replacement function name for realpath().])
    gl_PREREQ_CANONICALIZE_LGPL
  fi
])
```

```
# Like gl_CANONICALIZE_LGPL, except prepare for separate compilation
# (no AC_LIBOBJ).
```

```
AC_DEFUN([gl_CANONICALIZE_LGPL_SEPARATE],
[
  AC_CHECK_DECLS_ONCE(canonicalize_file_name)
  AC_CHECK_FUNCS_ONCE(canonicalize_file_name)
  gl_PREREQ_CANONICALIZE_LGPL
])
```

```
# Prerequisites of lib/canonicalize-lgpl.c.
AC_DEFUN([gl_PREREQ_CANONICALIZE_LGPL],
```



```
[
AC_CHECK_HEADERS_ONCE(sys/param.h unistd.h)
AC_CHECK_FUNCS_ONCE(getcwd readlink)
D)
```

# 1.120 Itrace 0.7.3-6ubuntu1

## 1.120.1 Available under license :

This is the Debian GNU/Linux's prepackaged version of the Dynamic Library Tracer ``Itrace".

It was downloaded from <http://www.ltrace.org/>

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# 1.121 concepts 0.8.4

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## 1.122 util 0.8.4

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Java ClassMate library was originally written by Tatu Saloranta (tatu.saloranta@iki.fi)

Other developers who have contributed code are:

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*
* A collection of File Manager and related routines
*
* by Jim Luther (Apple Macintosh Developer Technical Support Emeritus)
* with significant code contributions by Nitin Ganatra
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```
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*
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*
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* -----
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-----

The remaining code was written by many people associated with the Info-ZIP group, with large contributions from (but not limited to): Greg Roelofs (overall program logic, ZipInfo, unshrink, filename mapping/portability, etc.), Mark Adler (inflate, explode, funzip), Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine

Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and others. See the file CONTRIBS in the source distribution for a much more complete list of contributors.

The decompression core code for the deflate method (inflate.[ch], explode.c) was originally written by Mark Adler who submitted it as public domain code.

---

# 1.127 mdadm 4.1~rc1-3~ubuntu18.04.2

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# Contributions to the urllib3 project

## Creator & Maintainer

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## ## Contributors

In chronological order:

\* victor.vde <<http://code.google.com/u/victor.vde/>>

\* HTTPS patch (which inspired HTTPSConnectionPool)

\* erikcederstrand <<http://code.google.com/u/erikcederstrand/>>

\* NTLM-authenticated HTTPSConnectionPool

\* Basic-authenticated HTTPSConnectionPool (merged into make\_headers)

\* niphlod <niphlod@gmail.com>

\* Client-verified SSL certificates for HTTPSConnectionPool

\* Response gzip and deflate encoding support

\* Better unicode support for filepost using StringIO buffers

\* btoconnor <brian@btoconnor.net>

\* Non-multipart encoding for POST requests

\* p.dobrogost <<http://code.google.com/u/@WBRSRIBZDhBFXQB6/>>

\* Code review, PEP8 compliance, benchmark fix

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\* Bugfixes, suggestions, Requests integration

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\* Bugfixes, Improvements and Test coverage

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\* Design review, bugfixes, test coverage.

\* studer <theo.studer@gmail.com>

\* IPv6 url support and test coverage

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\* Support for explicitly closing pooled connections

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\* Corrected multipart behavior for params

\* Thomas Weischuh <thomas@t-8ch.de>

- \* Support for TLS SNI
- \* API unification of ssl\_version/cert\_reqs
- \* SSL fingerprint and alternative hostname verification
- \* Bugfixes in testsuite
  
- \* Sune Kirkeby <mig@ibofobi.dk>
- \* Optional SNI-support for Python 2 via PyOpenSSL.
  
- \* Marc Schlaich <marc.schlaich@gmail.com>
- \* Various bugfixes and test improvements.
  
- \* Bryce Boe <bbzbryce@gmail.com>
- \* Correct six.moves conflict
- \* Fixed pickle support of some exceptions
  
- \* Boris Figovsky <boris.figovsky@ravellosystems.com>
- \* Allowed to skip SSL hostname verification
  
- \* Cory Benfield <<http://lukasa.co.uk/about/>>
- \* Stream method for Response objects.
- \* Return native strings in header values.
- \* Generate 'Host' header when using proxies.
  
- \* Jason Robinson <jaywink@basshero.org>
- \* Add missing WrappedSocket.fileno method in PyOpenSSL
  
- \* Audrius Butkevicius <audrius.butkevicius@elastichosts.com>
- \* Fixed a race condition
  
- \* Stanislav Vitkovskiy <stas.vitkovsky@gmail.com>
- \* Added HTTPS (CONNECT) proxy support
  
- \* Stephen Holsapple <sholsapp@gmail.com>
- \* Added abstraction for granular control of request fields
  
- \* Martin von Gagern <Martin.vGagern@gmx.net>
- \* Support for non-ASCII header parameters
  
- \* Kevin Burke <kev@inburke.com> and Pavel Kirichenko <juanych@yandex-team.ru>
- \* Support for separate connect and request timeouts
  
- \* Peter Waller <p@pwaller.net>
- \* HTTPResponse.tell() for determining amount received over the wire
  
- \* Nipunn Koorapati <nipunn1313@gmail.com>
- \* Ignore default ports when comparing hosts for equality
  
- \* Danilo @dbrgn <<http://dbrgn.ch/>>

- \* Disabled TLS compression by default on Python 3.2+
- \* Disabled TLS compression in pyopenssl contrib module
- \* Configurable cipher suites in pyopenssl contrib module
  
- \* Roman Bogorodskiy <roman.bogorodskiy@ericsson.com>
- \* Account retries on proxy errors
  
- \* Nicolas Delaby <nicolas.delaby@ezeep.com>
- \* Use the platform-specific CA certificate locations
  
- \* Josh Schneier <https://github.com/jschneier>
- \* HTTPHeaderDict and associated tests and docs
- \* Bugfixes, docs, test coverage
  
- \* Tahia Khan <http://tahia.tk/>
- \* Added Timeout examples in docs
  
- \* Arthur Grunseid <http://grunseid.com>
- \* source\_address support and tests (with https://github.com/bui)
  
- \* Ian Cordasco <graffatcolmingov@gmail.com>
- \* PEP8 Compliance and Linting
- \* Add ability to pass socket options to an HTTP Connection
  
- \* Erik Tollerud <erik.tollerud@gmail.com>
- \* Support for standard library io module.
  
- \* Krishna Prasad <kprasad.iitd@gmail.com>
- \* Google App Engine documentation
  
- \* Aaron Meurer <asmeurer@gmail.com>
- \* Added Url.url, which unparses a Url
  
- \* Evgeny Kapun <abacabadabacaba@gmail.com>
- \* Bugfixes
  
- \* Benjamen Meyer <bm\_witness@yahoo.com>
- \* Security Warning Documentation update for proper capture
  
- \* Shivan Sornarajah <github@sornars.com>
- \* Support for using ConnectionPool and PoolManager as context managers.
  
- \* Alex Gaynor <alex.gaynor@gmail.com>
- \* Updates to the default SSL configuration
  
- \* Tomas Tomecek <ttomecek@redhat.com>
- \* Implemented generator for getting chunks from chunked responses.

- \* tlynn <<https://github.com/tlynn>>
  - \* Respect the warning preferences at import.
  
- \* David D. Riddle <[ddriddle@illinois.edu](mailto:ddriddle@illinois.edu)>
  - \* IPv6 bugfixes in testsuite
  
- \* Jon Wayne Parrott <[jonwayne@google.com](mailto:jonwayne@google.com)>
  - \* App Engine environment tests.
  
- \* John Krauss <<https://github.com/talos>>
  - \* Clues to debugging problems with `cryptography` dependency in docs
  
- \* Disassem <<https://github.com/Disassem>>
  - \* Fix pool-default headers not applying for url-encoded requests like GET.
  
- \* James Atherfold <[jlatherfold@hotmail.com](mailto:jlatherfold@hotmail.com)>
  - \* Bugfixes relating to cleanup of connections during errors.
  
- \* Christian Pedersen <<https://github.com/chripede>>
  - \* IPv6 HTTPS proxy bugfix
  
- \* Jordan Moldow <<https://github.com/jmoldow>>
  - \* Fix low-level exceptions leaking from ``HTTPResponse.stream()``.
  - \* Bugfix for ``ConnectionPool.urlopen(release\_conn=False)``.
  - \* Creation of ``HTTPConnectionPool.ResponseCls``.
  
- \* Predrag Gruevski <<https://github.com/obi1kenobi>>
  - \* Made cert digest comparison use a constant-time algorithm.
  
- \* Adam Talsma <<https://github.com/a-tal>>
  - \* Bugfix to ca\_cert file paths.
  
- \* Evan Meagher <<https://evanmeagher.net>>
  - \* Bugfix related to `memoryview` usage in PyOpenSSL adapter
  
- \* John Vandenberg <[jayvdb@gmail.com](mailto:jayvdb@gmail.com)>
  - \* Python 2.6 fixes; pyflakes and pep8 compliance
  
- \* Andy Caldwell <[andy.m.caldwell@gmail.com](mailto:andy.m.caldwell@gmail.com)>
  - \* Bugfix related to reusing connections in indeterminate states.
  
- \* Ville Skytt <[ville.skytta@iki.fi](mailto:ville.skytta@iki.fi)>
  - \* Logging efficiency improvements, spelling fixes, Travis config.
  
- \* Shige Takeda <[smtakeda@gmail.com](mailto:smtakeda@gmail.com)>
  - \* Started Recipes documentation and added a recipe about handling concatenated gzip data in HTTP response
  
- \* Jesse Shapiro <[jesse@jesseshapiro.net](mailto:jesse@jesseshapiro.net)>

- \* Various character-encoding fixes/tweaks
- \* Disabling IPv6 DNS when IPv6 connections not supported
  
- \* David Foster <<http://dafoster.net/>>
- \* Ensure order of request and response headers are preserved.
  
- \* Jeremy Cline <[jeremy@jcline.org](mailto:jeremy@jcline.org)>
- \* Added connection pool keys by scheme
  
- \* Aviv Palivoda <[palaviv@gmail.com](mailto:palaviv@gmail.com)>
- \* History list to Retry object.
- \* HTTPResponse contains the last Retry object.
  
- \* Nate Prewitt <[nate.prewitt@gmail.com](mailto:nate.prewitt@gmail.com)>
- \* Ensure timeouts are not booleans and greater than zero.
- \* Fixed infinite loop in ``stream`` when amt=None.
- \* Added length\_remaining to determine remaining data to be read.
- \* Added enforce\_content\_length to raise exception when incorrect content-length received.
  
- \* Seth Michael Larson <[sethmichaellarson@protonmail.com](mailto:sethmichaellarson@protonmail.com)>
- \* Created selectors backport that supports PEP 475.
  
- \* Alexandre Dias <[alex.dias@smarkets.com](mailto:alex.dias@smarkets.com)>
- \* Don't retry on timeout if method not in whitelist
  
- \* Moinuddin Quadri <[moin18@gmail.com](mailto:moin18@gmail.com)>
- \* Lazily load idna package
  
- \* Tom White <[s6yg1ez3@mail2tor.com](mailto:s6yg1ez3@mail2tor.com)>
- \* Made SOCKS handler differentiate socks5h from socks5 and socks4a from socks4.
  
- \* Tim Burke <[tim.burke@gmail.com](mailto:tim.burke@gmail.com)>
- \* Stop buffering entire deflate-encoded responses.
  
- \* Tuukka Mustonen <[tuukka.mustonen@gmail.com](mailto:tuukka.mustonen@gmail.com)>
- \* Add counter for status\_forcelist retries.
  
- \* Erik Rose <[erik@mozilla.com](mailto:erik@mozilla.com)>
- \* Bugfix to pyopenssl vendoring
  
- \* [Your name or handle] <[email or website]>
- \* [Brief summary of your changes]

## 1.129 ca-certificates 20190108-r0

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## 1.130 bcpkix-jdk15on 1.60

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# 1.131 jackson 2.9.9

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# 1.132 asm-tree 5.0.3

# 1.133 asm-analysis 5.0.3

# 1.134 jackson-datatype-jsr310 2.9.9

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## 1.135 core-module 1.2.3

## 1.136 jackson-datatype-guava 2.9.9

## 1.137 asm-commons 5.0.3

## 1.138 asm-util 5.0.3

## 1.139 commons-logging 1.2

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# 1.141 commons-configuration 1.8

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# 1.143 gson 2.8.5

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```
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jar/com/google/gson/internal/ConstructorConstructor.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-
jar/com/google/gson/internal/bind/TreeTypeAdapter.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-
jar/com/google/gson/internal/bind/DateTypeAdapter.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-
jar/com/google/gson/internal/bind/TimeTypeAdapter.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-
jar/com/google/gson/internal/LazilyParsedNumber.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-
jar/com/google/gson/internal/bind/SqlDateTypeAdapter.java
* /opt/cola/permits/1000738091_1646171488.9/0/gson-2-8-5-sources-
jar/com/google/gson/internal/UnsafeAllocator.java
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jar/com/google/gson/internal/\$Gson\$Types.java

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\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/stream/JsonScope.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/stream/MalformedJsonException.java  
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\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/annotations/Since.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/JsonSerializationContext.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/JsonElement.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/FieldNamingStrategy.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/JsonParseException.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/JsonObject.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/annotations/SerializedName.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/JsonPrimitive.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/JsonDeserializationContext.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/JsonNull.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/ObjectConstructor.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/JsonArray.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/ExclusionStrategy.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/JsonDeserializer.java

\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/FieldNamingPolicy.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/reflect/TypeToken.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/Primitives.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/\$Gson\$Preconditions.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/JsonSerializer.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/InstanceCreator.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/JsonIOException.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/DefaultDateTypeAdapter.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/annotations/Expose.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/Gson.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/annotations/Until.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/Excluder.java  
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\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/bind/TypeAdapters.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/JsonReaderInternalAccess.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/TypeAdapter.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/TypeAdapterFactory.java  
\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/bind/ObjectTypeAdapter.java  
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\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/reflect/PreJava9ReflectionAccessor.java

\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/JavaVersion.java

\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/reflect/ReflectionAccessor.java

\* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/internal/PreJava9DateFormatProvider.java

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- \* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/JsonParser.java
- \* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/FieldAttributes.java
- \* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/LongSerializationPolicy.java

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- \* /opt/cola/permits/1000738091\_1646171488.9/0/gson-2-8-5-sources-jar/com/google/gson/annotations/JsonAdapter.java

## 1.144 xerces-j 2.11.0

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# 1.145 javax-ws-rs-api 2.1

## 1.146 javax-inject 2.5.0

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## 1.147 httpasyncclient 4.1.4

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# 1.148 netty 3.10.6

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```
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```

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```
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```

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```
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@end smallexample
```

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Version 3, 29 June 2007

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```

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```
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```

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<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice

That's all there is to it!

## 1.152 keyutils 1.5.9-9.2ubuntu2

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Ty Coon, President of Vice

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<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice

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# 1.153 icu 60.2-3ubuntu3

## 1.153.1 Available under license :

```
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<head>
<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
<title>ICU License - moved to LICENSE</title>
</head>

<body BGCOLOR="#ffffff">
<p>
The ICU license is now in plain text format, see <a href="/LICENSE">LICENSE</a>.
Update links and software appropriately.
</p>
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</body>
</html>
## -*-makefile-*-
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## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
## Copyright (c) 1999-2013, International Business Machines Corporation and
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## Commands to generate dependency files
GEN_DEPS.c= $(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc= $(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code
SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads
THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path
LD_RPATH=
LD_RPATH_PRE= -Wl,-rpath,

## Compiler switch to embed a library name
```

```

LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

## Shared library options
LD_SOOPTIONS= -Wl,-Bsymbolic

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.${STATIC_O}: $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

%.${STATIC_O}: $(srcdir)/%.cpp
$(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<
%.o: $(srcdir)/%.cpp
$(COMPILE.cc) $(DYNAMICCPPFLAGS) $(DYNAMICCXXFLAGS) -o $@ $<

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \
| sed "s^\($*\)\.o[ :]*^1.o $@ : /g\" > $@; \
[ -s $@ ] || rm -f $@'

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \
| sed "s^\($*\)\.o[ :]*^1.o $@ : /g\" > $@; \
[ -s $@ ] || rm -f $@'

## Versioned libraries rules

%.${SO}.${SO_TARGET_VERSION_MAJOR}: %.${SO}.${SO_TARGET_VERSION}
$(RM) $@ && ln -s ${<F} $@
%.${SO}: %.${SO}.${SO_TARGET_VERSION_MAJOR}
$(RM) $@ && ln -s ${*F}.${SO}.${SO_TARGET_VERSION} $@

## Bind internal references

# LDflags that pkgdata will use
BIR_LDFLAGS= -Wl,-Bsymbolic

# Dependencies [i.e. map files] for the final library

```

BIR\_DEPS=

```
## Remove shared library 's'  
STATIC_PREFIX_WHEN_USED =  
STATIC_PREFIX =
```

```
## End BSD-specific setup  
COPYRIGHT AND PERMISSION NOTICE (ICU 58 and later)
```

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## 2. Chinese/Japanese Word Break Dictionary Data (cjdict.txt)

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#
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# http://opensource.org/licenses/bsd-license.php
# Copyright (C) 2006-2008, Google Inc.
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#
```

```
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#
#
# The word list in cjdict.txt are generated by combining three word lists
# listed below with further processing for compound word breaking. The
# frequency is generated with an iterative training against Google web
# corpora.
#
# * Libtabe (Chinese)
# - https://sourceforge.net/project/?group\_id=1519
# - Its license terms and conditions are shown below.
#
# * IPADIC (Japanese)
# - http://chasen.aist-nara.ac.jp/chasen/distribution.html
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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# Files that don't get a copyright, or which are taken from elsewhere.
#
# All lines in this file are patterns, including the comment lines; this
# means that e.g. `FTL.TXT' matches all files that have this string in
# the file name (including the path relative to the current directory,
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```

```
#
# Don't put empty lines into this file!
#
.gitignore
#
builds/unix/pkg.m4
#
docs/FTL.TXT
docs/GPLv2.TXT
#
include/freetype/internal/fthash.h
#
src/base/fthash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
src/bdf/bdfdrivr.h
src/bdf/bdferror.h
src/bdf/bdfplib.c
src/bdf/module.mk
src/bdf/README
src/bdf/rules.mk
#
src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
src/pcf/pcfdrivr.c
src/pcf/pcfdrivr.h
src/pcf/pcferror.h
src/pcf/pcfread.c
src/pcf/pcfread.h
src/pcf/pcfutil.c
src/pcf/pcfutil.h
src/pcf/README
src/pcf/rules.mk
#
src/gzip/adler32.c
src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
```

```
src/gzip/infutil.c
src/gzip/infutil.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h
#
src/tools/apinames.c
src/tools/ftrandom/ftrandom.c
#
# EOF
```

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```

```
<signature of Ty Coon>, 1 April 1989
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REFERENCES         Where to learn more about JPEG.  
ARCHIVE LOCATIONS Where to find newer versions of this software.  
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FILE FORMAT WARS   Software \*not\* to get.  
TO DO               Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:

install.doc        How to configure and install the IJG software.  
usage.doc         Usage instructions for cjpeg, djpeg, jpegtran,  
                  rdjpgcom, and wjjpgcom.  
\*.1                Unix-style man pages for programs (same info as usage.doc).  
wizard.doc        Advanced usage instructions for JPEG wizards only.  
change.log        Version-to-version change highlights.

Programmer and internal documentation:

libjpeg.doc       How to use the JPEG library in your own programs.  
example.c         Sample code for calling the JPEG library.  
structure.doc     Overview of the JPEG library's internal structure.  
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coderrules.doc   Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information

can also be found in the JPEG FAQ (Frequently Asked Questions) article. See ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

If you want to understand how the JPEG code works, we suggest reading one or more of the REFERENCES, then looking at the documentation files (in roughly the order listed) before diving into the code.

## OVERVIEW

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This package contains C software to implement JPEG image compression and decompression. JPEG (pronounced "jay-peg") is a standardized compression method for full-color and gray-scale images. JPEG is intended for compressing "real-world" scenes; line drawings, cartoons and other non-realistic images are not its strong suit. JPEG is lossy, meaning that the output image is not exactly identical to the input image. Hence you must not use JPEG if you have to have identical output bits. However, on typical photographic images, very good compression levels can be obtained with no visible change, and remarkably high compression levels are possible if you can tolerate a low-quality image. For more details, see the references, or just experiment with various compression settings.

This software implements JPEG baseline, extended-sequential, and progressive compression processes. Provision is made for supporting all variants of these processes, although some uncommon parameter settings aren't implemented yet. For legal reasons, we are not distributing code for the arithmetic-coding variants of JPEG; see LEGAL ISSUES. We have made no provision for supporting the hierarchical or lossless processes defined in the standard.

We provide a set of library routines for reading and writing JPEG image files, plus two sample applications "cjpeg" and "djpeg", which use the library to perform conversion between JPEG and some other popular image file formats. The library is intended to be reused in other applications.

In order to support file conversion and viewing software, we have included considerable functionality beyond the bare JPEG coding/decoding capability; for example, the color quantization modules are not strictly part of JPEG decoding, but they are essential for output to colormapped file formats or colormapped displays. These extra functions can be compiled out of the library if not required for a particular application. We have also included "jpegtran", a utility for lossless transcoding between different JPEG processes, and "rdjpgcom" and "wrjpgcom", two simple applications for inserting and extracting textual comments in JFIF files.

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the

REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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The Unix configuration script "configure" was produced with GNU Autoconf. It is copyright by the Free Software Foundation but is freely distributable. The same holds for its supporting scripts (config.guess, config.sub, ltconfig, ltmain.sh). Another support script, install-sh, is copyright by M.I.T. but is also freely distributable.

It appears that the arithmetic coding option of the JPEG spec is covered by patents owned by IBM, AT&T, and Mitsubishi. Hence arithmetic coding cannot legally be used without obtaining one or more licenses. For this reason, support for arithmetic coding has been removed from the free JPEG software. (Since arithmetic coding provides only a marginal gain over the unpatented Huffman mode, it is unlikely that very many implementations will support it.) So far as we are aware, there are no patent restrictions on the remaining code.

The IJG distribution formerly included code to read and write GIF files. To avoid entanglement with the Unisys LZW patent, GIF reading support has been removed altogether, and the GIF writer has been simplified to produce "uncompressed GIFs". This technique does not use the LZW algorithm; the resulting GIF files are larger than usual, but are readable by all standard GIF decoders.

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## REFERENCES

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We highly recommend reading one or more of these references before trying to understand the innards of the JPEG software.

The best short technical introduction to the JPEG compression algorithm is Wallace, Gregory K. "The JPEG Still Picture Compression Standard", Communications of the ACM, April 1991 (vol. 34 no. 4), pp. 30-44. (Adjacent articles in that issue discuss MPEG motion picture compression, applications of JPEG, and related topics.) If you don't have the CACM issue handy, a PostScript file containing a revised version of Wallace's article is available at <ftp://ftp.uu.net/graphics/jpeg/wallace.ps.gz>. The file (actually a preprint for an article that appeared in IEEE Trans. Consumer Electronics) omits the sample images that appeared in CACM, but it includes corrections and some added material. Note: the Wallace article is copyright ACM and IEEE, and it may not be used for commercial purposes.

A somewhat less technical, more leisurely introduction to JPEG can be found in "The Data Compression Book" by Mark Nelson and Jean-loup Gailly, published by M&T Books (New York), 2nd ed. 1996, ISBN 1-55851-434-1. This book provides good explanations and example C code for a multitude of compression methods including JPEG. It is an excellent source if you are comfortable reading C code but don't know much about data compression in general. The book's JPEG sample code is far from industrial-strength, but when you are ready to look at a full implementation, you've got one here...

The best full description of JPEG is the textbook "JPEG Still Image Data Compression Standard" by William B. Pennebaker and Joan L. Mitchell, published by Van Nostrand Reinhold, 1993, ISBN 0-442-01272-1. Price US\$59.95, 638 pp. The book includes the complete text of the ISO JPEG standards (DIS 10918-1 and draft DIS 10918-2). This is by far the most complete exposition of JPEG in existence, and we highly recommend it.

The JPEG standard itself is not available electronically; you must order a paper copy through ISO or ITU. (Unless you feel a need to own a certified official copy, we recommend buying the Pennebaker and Mitchell book instead; it's much cheaper and includes a great deal of useful explanatory material.) In the USA, copies of the standard may be ordered from ANSI Sales at (212) 642-4900, or from Global Engineering Documents at (800) 854-7179. (ANSI doesn't take credit card orders, but Global does.) It's not cheap: as of 1992, ANSI was charging \$95 for Part 1 and \$47 for Part 2, plus 7% shipping/handling. The standard is divided into two parts, Part 1 being the actual specification, while Part 2 covers compliance testing methods. Part 1 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 1: Requirements and guidelines" and has document numbers ISO/IEC IS 10918-1, ITU-T T.81. Part 2 is titled "Digital Compression and Coding of Continuous-tone Still Images, Part 2: Compliance testing" and has document

numbers ISO/IEC IS 10918-2, ITU-T T.83.

Some extensions to the original JPEG standard are defined in JPEG Part 3, a newer ISO standard numbered ISO/IEC IS 10918-3 and ITU-T T.84. IJG currently does not support any Part 3 extensions.

The JPEG standard does not specify all details of an interchangeable file format. For the omitted details we follow the "JFIF" conventions, revision 1.02. A copy of the JFIF spec is available from:

Literature Department  
C-Cube Microsystems, Inc.  
1778 McCarthy Blvd.  
Milpitas, CA 95035  
phone (408) 944-6300, fax (408) 944-6314

A PostScript version of this document is available by FTP at <ftp://ftp.uu.net/graphics/jpeg/jfif.ps.gz>. There is also a plain text version at <ftp://ftp.uu.net/graphics/jpeg/jfif.txt.gz>, but it is missing the figures.

The TIFF 6.0 file format specification can be obtained by FTP from <ftp://ftp.sgi.com/graphics/tiff/TIFF6.ps.gz>. The JPEG incorporation scheme found in the TIFF 6.0 spec of 3-June-92 has a number of serious problems. IJG does not recommend use of the TIFF 6.0 design (TIFF Compression tag 6). Instead, we recommend the JPEG design proposed by TIFF Technical Note #2 (Compression tag 7). Copies of this Note can be obtained from <ftp.sgi.com> or from <ftp://ftp.uu.net/graphics/jpeg/>. It is expected that the next revision of the TIFF spec will replace the 6.0 JPEG design with the Note's design. Although IJG's own code does not support TIFF/JPEG, the free libtiff library uses our library to implement TIFF/JPEG per the Note. libtiff is available from <ftp://ftp.sgi.com/graphics/tiff/>.

#### ARCHIVE LOCATIONS

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The "official" archive site for this software is <ftp.uu.net> (Internet address 192.48.96.9). The most recent released version can always be found there in directory <graphics/jpeg>. This particular version will be archived as <ftp://ftp.uu.net/graphics/jpeg/jpegsrc.v6b.tar.gz>. If you don't have direct Internet access, UUNET's archives are also available via UUCP; contact [help@uunet.uu.net](mailto:help@uunet.uu.net) for information on retrieving files that way.

Numerous Internet sites maintain copies of the UUNET files. However, only <ftp.uu.net> is guaranteed to have the latest official version.

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (<ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/>), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12

"JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at <http://www.faqs.org/faqs/jpeg-faq/> and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: <ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/>. If you don't have Web or FTP access, send e-mail to [mail-server@rtfm.mit.edu](mailto:mail-server@rtfm.mit.edu) with body

send usenet/news.answers/jpeg-faq/part1

send usenet/news.answers/jpeg-faq/part2

## RELATED SOFTWARE

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Numerous viewing and image manipulation programs now support JPEG. (Quite a few of them use this library to do so.) The JPEG FAQ described above lists some of the more popular free and shareware viewers, and tells where to obtain them on Internet.

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably <ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/>. Unfortunately PBPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

A different free JPEG implementation, written by the PVRG group at Stanford, is available from <ftp://havefun.stanford.edu/pub/jpeg/>. This program is designed for research and experimentation rather than production use; it is slower, harder to use, and less portable than the IJG code, but it is easier to read and modify. Also, the PVRG code supports lossless JPEG, which we do not. (On the other hand, it doesn't do progressive JPEG.)

## FILE FORMAT WARS

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Some JPEG programs produce files that are not compatible with our library. The root of the problem is that the ISO JPEG committee failed to specify a concrete file format. Some vendors "filled in the blanks" on their own, creating proprietary formats that no one else could read. (For example, none

of the early commercial JPEG implementations for the Macintosh were able to exchange compressed files.)

The file format we have adopted is called JFIF (see REFERENCES). This format has been agreed to by a number of major commercial JPEG vendors, and it has become the de facto standard. JFIF is a minimal or "low end" representation. We recommend the use of TIFF/JPEG (TIFF revision 6.0 as modified by TIFF Technical Note #2) for "high end" applications that need to record a lot of additional data about an image. TIFF/JPEG is fairly new and not yet widely supported, unfortunately.

The upcoming JPEG Part 3 standard defines a file format called SPIFF. SPIFF is interoperable with JFIF, in the sense that most JFIF decoders should be able to read the most common variant of SPIFF. SPIFF has some technical advantages over JFIF, but its major claim to fame is simply that it is an official standard rather than an informal one. At this point it is unclear whether SPIFF will supersede JFIF or whether JFIF will remain the de-facto standard. IJG intends to support SPIFF once the standard is frozen, but we have not decided whether it should become our default output format or not. (In any case, our decoder will remain capable of reading JFIF indefinitely.)

Various proprietary file formats incorporating JPEG compression also exist. We have little or no sympathy for the existence of these formats. Indeed, one of the original reasons for developing this free software was to help force convergence on common, open format standards for JPEG files. Don't use a proprietary file format!

TO DO

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The major thrust for v7 will probably be improvement of visual quality. The current method for scaling the quantization tables is known not to be very good at low Q values. We also intend to investigate block boundary smoothing, "poor man's variable quantization", and other means of improving quality-vs-file-size performance without sacrificing compatibility.

In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to [jpeg-info@uunet.uu.net](mailto:jpeg-info@uunet.uu.net).



# 1.159 httpcomponents-mime 4.2.3

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## 1.167 libjpeg 9c

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From strings/apr\_strnatcmp.c, include/apr\_strings.h:

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## 1.173 jersey-entity-filtering 2.27

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## 1.175 openssh 7.6

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*
* Optimised ANSI C code for the Rijndael cipher (now AES)
*
* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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*/

/* OPENBSD ORIGINAL: sys/sys/poll.h */

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifdef _COMPAT_POLL_H_
#define _COMPAT_POLL_H_

typedef struct pollfd {
    int fd;
    short events;
    short revents;
} pollfd_t;

typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
#if 0
/* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100
#endif
#endif

```

```

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfd_t, int);
#endif /* !_COMPAT_POLL_H */
#endif /* !HAVE_POLL_H */
/*
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 */

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!((_W_INT(w)) & 0377))
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w)) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

```

```

/* Prototype */
pid_t waitpid(int, int *, int);

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */
/*
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*/

#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif

```

## 1.176 json-simple 1.1.1

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Version 2.0, January 2004

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## 1.178 instrumentation-api 0.4.3

# 1.179 net-tools 1.60+git20161116.90da8a0-1ubuntu1

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- The make-ssh-known-hosts script is no longer included
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- MD5 is now external, in the OpenSSL library
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\* @version 3.0 (December 2000)

\*

\* Optimised ANSI C code for the Rijndael cipher (now AES)

\*

\* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

\* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>

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 \*/

/\* OPENBSD ORIGINAL: sys/sys/poll.h \*/

```
#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#ifdef _COMPAT_POLL_H_
#define _COMPAT_POLL_H_
```

```
typedef struct pollfd {
    int fd;
    short events;
    short revents;
} pollfd_t;
```

```
typedef unsigned int nfds_t;
```

```
#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#define POLLHUP 0x0010
#define POLLNVAL 0x0020
```

```
#if 0
```

```
/* the following are currently not implemented */
```

```
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100
```

```

#endif

#define INFTIM (-1) /* not standard */

int poll(struct pollfd *, nfd_t, int);
#endif /* !_COMPAT_POLL_H */
#endif /* !HAVE_POLL_H */
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 */

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED

/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!((_W_INT(w)) & 0377))
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w)) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)

```

```

#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int *, int *, int);

#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */
/*
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 */

#ifndef HAVE_SETRESGID
int setresgid(gid_t, gid_t, gid_t);
#endif
#ifndef HAVE_SETRESUID
int setresuid(uid_t, uid_t, uid_t);
#endif

```

# 1.183 xkeyboard-config 2.23.1-1ubuntu1

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## 1.187 rubygems-integration 1.11

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## 1.188 ssh-import-id 5.7-0ubuntu1.1

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# 1.189 grub 2.02-2ubuntu8.13

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# 1.193 networkd-dispatcher 1.7-0ubuntu3.3

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Version 3, 29 June 2007

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## 1.194 ruby-net-telnet 0.1.1-2

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# 1.195 log-rotate 3.11.0-0.1ubuntu1

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# 1.197 cloud-utils 0.30-0ubuntu5

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## 1.198 j2objc-annotations 1.3

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 */
```

Found in path(s):

```
* /opt/cola/permits/1000890861_1651084689.86/0/j2objc-annotations-1-3-sources-
jar/com/google/j2objc/annotations/RetainedWith.java
* /opt/cola/permits/1000890861_1651084689.86/0/j2objc-annotations-1-3-sources-
jar/com/google/j2objc/annotations/ReflectionSupport.java
* /opt/cola/permits/1000890861_1651084689.86/0/j2objc-annotations-1-3-sources-
jar/com/google/j2objc/annotations/RetainedLocalRef.java
* /opt/cola/permits/1000890861_1651084689.86/0/j2objc-annotations-1-3-sources-
jar/com/google/j2objc/annotations/Property.java
* /opt/cola/permits/1000890861_1651084689.86/0/j2objc-annotations-1-3-sources-
jar/com/google/j2objc/annotations/LoopTranslation.java
* /opt/cola/permits/1000890861_1651084689.86/0/j2objc-annotations-1-3-sources-
jar/com/google/j2objc/annotations/J2ObjCIncompatible.java
* /opt/cola/permits/1000890861_1651084689.86/0/j2objc-annotations-1-3-sources-
jar/com/google/j2objc/annotations/ObjectiveCName.java
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\* /opt/cola/permits/1000890861\_1651084689.86/0/j2objc-annotations-1-3-sources-jar/com/google/j2objc/annotations/Weak.java  
\* /opt/cola/permits/1000890861\_1651084689.86/0/j2objc-annotations-1-3-sources-jar/com/google/j2objc/annotations/AutoreleasePool.java  
\* /opt/cola/permits/1000890861\_1651084689.86/0/j2objc-annotations-1-3-sources-jar/com/google/j2objc/annotations/WeakOuter.java

## 1.199 slf4j 1.7.21

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1.3.2.4 2009-05-13 08:53:01 oleksiys Exp \$  
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## 1.206 yang-model-util 0.8.4

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# 1.207 yang-parser-api 0.8.4

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## 1.209 yang-common 0.8.4

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 */
```

Found in path(s):

```
* /opt/cola/permits/1001060374_1611877195.38/0/netty-tcnative-2-0-9-final-sources-
jar/io/netty/internal/tcnative/SSL.java
* /opt/cola/permits/1001060374_1611877195.38/0/netty-tcnative-2-0-9-final-sources-
jar/io/netty/internal/tcnative/SSLContext.java
* /opt/cola/permits/1001060374_1611877195.38/0/netty-tcnative-2-0-9-final-sources-
jar/io/netty/internal/tcnative/Buffer.java
* /opt/cola/permits/1001060374_1611877195.38/0/netty-tcnative-2-0-9-final-sources-
jar/io/netty/internal/tcnative/Library.java
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```
* /opt/cola/permits/1001060374_1611877195.38/0/netty-tcnative-2-0-9-final-sources-
jar/io/netty/internal/tcnative/SessionTicketKey.java
* /opt/cola/permits/1001060374_1611877195.38/0/netty-tcnative-2-0-9-final-sources-
jar/io/netty/internal/tcnative/CertificateRequestedCallback.java
```

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Manifest-Version: 1.0

Bundle-Description: A Mavenized fork of Tomcat Native which incorporates various patches. This artifact is dynamically linked to OpenSSL and Apache APR.

Bundle-License: <http://www.apache.org/licenses/LICENSE-2.0>

Bundle-SymbolicName: io.netty.tcnative

Archiver-Version: Plexus Archiver

Built-By: Norman Maurer

Bnd-LastModified: 1529054224310

Bundle-ManifestVersion: 2

Bundle-DocURL: <http://netty.io/>

Bundle-Vendor: The Netty Project

Tool: Bnd-2.1.0.20130426-122213

Export-Package: io.netty.internal.tcnative;version="2.0.9.Final"

Bundle-Name: Netty/TomcatNative [OpenSSL - Dynamic]

Bundle-Version: 2.0.9.Final

Bundle-NativeCode: META-INF/native/netty\_tcnative.dll;osname=win32;processor=x86\_64

Created-By: Apache Maven Bundle Plugin

Build-Jdk: 1.8.0\_74

Found in path(s):

```
* /opt/cola/permits/1001060374_1611877195.38/0/netty-tcnative-2-0-9-final-sources-jar/META-
```

INF/MANIFEST.MF

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jar/io/netty/internal/tcnative/CertificateVerifier.java

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jar/io/netty/internal/tcnative/NativeStaticallyReferencedJniMethods.java

\* /opt/cola/permits/1001060374\_1611877195.38/0/netty-tcnative-2-0-9-final-sources-  
jar/io/netty/internal/tcnative/SniHostNameMatcher.java

# 1.212 yang-parser-impl 0.8.4

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\* `configure.ac`, `Makefile.am`: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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\* `atf-c/ui.c`: The `format_paragraph` and `format_text` functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

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\* `atf-c++/detail/io.hpp`, `atf-c++/detail/io.cpp`, `atf-c++/detail/io_test.cpp`: These files were derived from the `file_handle`, `systembuf`, `pipe` and `pistream` classes and tests found in the Boost.Process library.

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\* `admin/check-style.sh`, `admin/check-style-common.awk`, `admin/check-style-cpp.awk`, `admin/check-style-shell.awk`: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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<!-- \$Id\$ -->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

<xsl:stylesheet version="1.0"

xmlns:xsl="http://www.w3.org/1999/XSL/Transform"

xmlns:xi="http://www.w3.org/2001/XInclude"

xmlns:db="http://docbook.org/ns/docbook">

<xsl:template name="isc.copyright.format">

<xsl:param name="text"/>

<xsl:value-of select="\$isc.copyright.leader"/>

<xsl:value-of select="normalize-space(substring-before(\$text, '#10;'))"/>

<xsl:text>#10;</xsl:text>

<xsl:variable name="rest" select="substring-after(\$text, '#10;')"/>

<xsl:if test="translate(\$rest, '#9;#32;', '')">

```

    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text" select="$rest"/>
    </xsl:call-template>
  </xsl:if>
</xsl:template>

<xsl:variable name="isc.copyright.text">
  <xsl:text>
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    file, You can obtain one at http://mozilla.org/MPL/2.0/.
  </xsl:text>
</xsl:variable>

<xsl:variable name="isc.copyright">
  <xsl:call-template name="isc.copyright.format">
    <xsl:with-param name="text">
      <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
        <xsl:text>Copyright (C) </xsl:text>
        <xsl:call-template name="copyright.years">
          <xsl:with-param name="years" select="year"/>
        </xsl:call-template>
        <xsl:text> </xsl:text>
        <xsl:value-of select="holder"/>
        <xsl:value-of select="$isc.copyright.breakline"/>
        <xsl:text>&#10;</xsl:text>
      </xsl:for-each>
      <xsl:value-of select="$isc.copyright.text"/>
    </xsl:with-param>
  </xsl:call-template>
</xsl:variable>
</xsl:stylesheet>

```

<!--

- Local variables:

- mode: sgml

- End:

-->

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*/opt/cola/permits/1001073649_1610467014.22/0/snmp4j-1-11-3-sources-2-
jar/org/snmp4j/security/AuthenticationProtocol.java

```

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_## SNMP4J - ByteArrayWindow.java
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*/opt/cola/permits/1001073649_1610467014.22/0/snmp4j-1-11-3-sources-2-
jar/org/snmp4j/util/SnmpConfigurator.java

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*/opt/cola/permits/1001073649_1610467014.22/0/snmp4j-1-11-3-sources-2-
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Found in path(s):

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\* /opt/cola/permits/1001073649\_1610467014.22/0/snmp4j-1-11-3-sources-2-jar/org/snmp4j/util/TreeListener.java

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*/opt/cola/permits/1001073649_1610467014.22/0/snmp4j-1-11-3-sources-2-jar/org/snmp4j/util/package.html
*/opt/cola/permits/1001073649_1610467014.22/0/snmp4j-1-11-3-sources-2-jar/org/snmp4j/smi/package.html
*/opt/cola/permits/1001073649_1610467014.22/0/snmp4j-1-11-3-sources-2-jar/org/snmp4j/asn1/package.html
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*/opt/cola/permits/1001073649_1610467014.22/0/snmp4j-1-11-3-sources-2-jar/org/snmp4j/security/package.html
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* /opt/cola/permits/1001073649_1610467014.22/0/snmp4j-1-11-3-sources-2-  
jar/org/snmp4j/log/JavaLogAdapter.java
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```
*/opt/cola/permits/1001073649_1610467014.22/0/snmp4j-1-11-3-sources-2-jar/org/snmp4j/security/Salt.java
```

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```
* /opt/cola/permits/1001073649_1610467014.22/0/snmp4j-1-11-3-sources-2-
jar/org/snmp4j/log/Log4jLogAdapter.java
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```
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* /opt/cola/permits/1001073649_1610467014.22/0/snmp4j-1-11-3-sources-2-  
jar/org/snmp4j/event/SnmpEngineEvent.java
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jar/org/snmp4j/transport/UnsupportedAddressClassException.java

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* /opt/cola/permits/1001069019_1651084472.75/0/cglib-2-1-3-sources-
jar/net/sf/cglib/transform/AbstractClassFilterTransformer.java
* /opt/cola/permits/1001069019_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/proxy/CallbackInfo.java
* /opt/cola/permits/1001069019_1651084472.75/0/cglib-2-1-3-sources-
jar/net/sf/cglib/core/RejectModifierPredicate.java
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\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/core/CollectionUtils.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/beans/BeanMap.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/transform/ClassTransformerChain.java  
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\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/reflect/FastMethod.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/core/CodeEmitter.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/proxy/CallbackFilter.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/beans/BulkBeanEmitter.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/reflect/MethodDelegate.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/reflect/FastClassEmitter.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/proxy/FixedValueGenerator.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/transform/impl/AddStaticInitTransformer.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/proxy/LazyLoaderGenerator.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/proxy/CallbackGenerator.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/beans/ImmutableBean.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/core/AbstractClassGenerator.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/core/DefaultNamingPolicy.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/proxy/MixinEmitter.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/core/ReflectUtils.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/core/DebuggingClassWriter.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/beans/BeanMapEmitter.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/core/VisibilityPredicate.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/proxy/MethodProxy.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/core/KeyFactory.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/proxy/DispatcherGenerator.java

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\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/proxy/Factory.java

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 */
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* /opt/cola/permits/1001069019_1651084472.75/0/cglib-2-1-3-sources-
jar/net/sf/cglib/core/CodeGenerationException.java
* /opt/cola/permits/1001069019_1651084472.75/0/cglib-2-1-3-sources-
jar/net/sf/cglib/transform/TransformingClassLoader.java
* /opt/cola/permits/1001069019_1651084472.75/0/cglib-2-1-3-sources-
jar/net/sf/cglib/proxy/ProxyRefDispatcher.java
* /opt/cola/permits/1001069019_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/core/ClassesKey.java
* /opt/cola/permits/1001069019_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/core/Local.java
* /opt/cola/permits/1001069019_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/core/Block.java
* /opt/cola/permits/1001069019_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/core/GeneratorStrategy.java
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* /opt/cola/permits/1001069019_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/core/TinyBitSet.java
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* /opt/cola/permits/1001069019_1651084472.75/0/cglib-2-1-3-sources-
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* /opt/cola/permits/1001069019_1651084472.75/0/cglib-2-1-3-sources-
jar/net/sf/cglib/reflect/ConstructorDelegate.java
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* /opt/cola/permits/1001069019_1651084472.75/0/cglib-2-1-3-sources-
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* /opt/cola/permits/1001069019_1651084472.75/0/cglib-2-1-3-sources-
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jar/net/sf/cglib/core/DefaultGeneratorStrategy.java  
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\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/util/SorterTemplate.java  
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\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/core/Transformer.java  
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\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/transform/impl/AddPropertyTransformer.java  
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\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/reflect/FastConstructor.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/transform/impl/UndeclaredThrowableTransformer.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/beans/FixedKeySet.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/core/ObjectSwitchCallback.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/transform/impl/AccessFieldTransformer.java  
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\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/beans/BulkBeanException.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/transform/ClassTransformerFactory.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/transform/impl/InterceptFieldFilter.java  
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\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/core/Predicate.java  
\* /opt/cola/permits/1001069019\_1651084472.75/0/cglib-2-1-3-sources-jar/net/sf/cglib/beans/BulkBean.java

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## 1.221 aspect-j 1.9.4

## 1.222 spring-retry 1.2.4

## 1.223 spring-security-rsa 1.0.7

## 1.224 bean-validation-api 2.0.1

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## 1.225 python-cryptography 2.1.4-1ubuntu1.3

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```
Gnomovision version 69, Copyright (C) year name of author  
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program  
'Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice
```

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```
<?xml version="1.0" encoding="utf-8"?>
```

```
<page xmlns="http://projectmallard.org/1.0/" type="topic" id="license" xml:lang="en-GB">
```

```
<info>
```

```
  <link type="seealso" xref="index"/>
```

```
  <revision pkgversion="3.5.5" version="0.1" date="2012-08-12" status="review"/>
```

```
  <desc>Legal information.</desc>
```

```
</info>
```

```
<title>Licence</title>
```

```
<p>
```

```
  <!--
```

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  -->
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```

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</p>
```

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<p>
```

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</p>
```

```
<terms>
```

```
  <item>
```

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```

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```

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  </item>
```

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  <item>
```

```
    <title><em>To remix</em></title>
```

```
    <p>To adapt the work.</p>
```

```
  </item>
```

```
</terms>
```

```
<p>
```

```
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</p>
```

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<terms>
```

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  <item>
```

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```

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    <p>
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```

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    </p>
```

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  </item>
```

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  <item>
```

```
    <title><em>Share Alike</em></title>
```

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</terms>
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  or read the full <link href="http://creativecommons.org/licenses/by-sa/3.0/">Commons Deed</link>.
</p>
</page>
<?xml version="1.0" encoding="utf-8"?>
<page xmlns="http://projectmallard.org/1.0/" type="topic" style="tip" id="license" xml:lang="en-GB">
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  <desc>Know your rights</desc>
  <link type="guide" xref="index#about"/>
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  <p>This work is licensed under a <link href="http://creativecommons.org/licenses/by-sa/3.0/">Creative
  Commons Attribution-ShareAlike 3.0 Unported License</link>.</p>
</license>
```

```
<?xml version="1.0" encoding="utf-8"?>
<license xmlns="http://projectmallard.org/1.0/" href="http://creativecommons.org/licenses/by-sa/3.0/">
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```

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</license>
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<?xml version="1.0" encoding="utf-8"?>
```

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<page xmlns="http://projectmallard.org/1.0/" type="topic" id="license" xml:lang="en-GB">
```

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  <info>
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    <link type="seealso" xref="index"/>
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```
    <revision pkgversion="2.30" version="0.1" date="2009-12-28" status="draft"/>
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```
    <desc>Legal information.</desc>
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  </info>
```

```
  <title>License</title>
```

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  <p>
```

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    <!--
```

```
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    -->
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```
    3.0 Unported license.
```

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  </p>
```

```
  <p>
```

```
    You are free:
```

```
  </p>
```

```
  <terms>
```

```
    <item>
```

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      <title><em>To share</em></title>
```

```
      <p>To copy, distribute and transmit the work.</p>
```

```
    </item>
```

```
    <item>
```

```
      <title><em>To remix</em></title>
```

```
      <p>To adapt the work.</p>
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    </item>
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  </terms>
```

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  <p>
```

```
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  </p>
```

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  <terms>
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</p>
</page>
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<info>
  <desc>Know your rights</desc>
  <link type="guide" xref="index#about"/>
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</page>
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</info>

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```

<title>Licence</title>
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</page>

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```
<?xml version="1.0" encoding="utf-8"?>
<page xmlns="http://projectmallard.org/1.0/" type="topic" id="license" xml:lang="en-GB">
```

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<info>
  <link type="seealso" xref="index"/>
  <revision pkgversion="3.4" version="0.1" date="2012-03-08" status="final"/>
  <desc>Legal information.</desc>
</info>
```

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<title>License</title>
```

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<p>
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<p>
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</p>
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<terms>
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<item>
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<title><em>To share</em></title>
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<p>To copy, distribute and transmit the work.</p>
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## 1.227 newt 0.52.20-1ubuntu1

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fflxxlf`~`~`<<fff\$llllll||0`8l18vv000`00000000f<<f~00`||8x~|0`|<|l8`|0000|||~x00`0~`00`||8lfff|ffff<ff<lffffflfb  
hxx`bffbxxh`~`<ff:<<xfflxxlf`~`~`bf|fff`~`~`||fff|fff`8|~`Z<|l8ll88|lfff<<0`<00000000<p8<<8l0x|v`~`xlffff|<l|v|62



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That's all there is to it!  
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Current dialog upstream maintainer: Thomas Dickey <[dickey@invisible-island.net](mailto:dickey@invisible-island.net)>

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Files: `debian/*`

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## 1.236 traceroute 2.1.0-2

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## 1.237 parted 3.2-20ubuntu0.2

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## 1.242 newt 0.19.7-2

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```
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```
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## 1.248 Ishw 02.18-0.1 ubuntu6.18.04.1

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## 1.252 mime-pull 1.9.7

## 1.253 sjsxp 1.0.2

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```
/*
 * $Id: license.txt,v 1.2 2006-04-01 06:01:50 jeffsuttor Exp $
 * %W% %E%
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## 1.254 apr 1.6.5

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```
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```

From network\_io/unix/inet\_ntop.c, network\_io/unix/inet\_pton.c:

```
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From dso/aix/dso.c:

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From strings/apr\_strnatcmp.c, include/apr\_strings.h:

strnatcmp.c -- Perform 'natural order' comparisons of strings in C.  
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```

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```

```
<signature of Ty Coon>, 1 April 1989
```



Ty Coon, President of Vice

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## 1.257 checker-qual 2.8.1

# 1.258 glib 2.56.4-0ubuntu0.18.04.4

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## 1.260 jackson-module-parameter-names 2.9.9

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jar/io/grpc/netty/ProtocolNegotiators.java
* /opt/cola/permits/1003167140_1606871924.75/0/grpc-netty-1-7-0-sources-
jar/io/grpc/netty/AbstractNettyHandler.java
* /opt/cola/permits/1003167140_1606871924.75/0/grpc-netty-1-7-0-sources-
jar/io/grpc/netty/NettyWritableBuffer.java
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jar/io/grpc/netty/NettyChannelProvider.java
* /opt/cola/permits/1003167140_1606871924.75/0/grpc-netty-1-7-0-sources-jar/io/grpc/netty/GrpcSslContexts.java
* /opt/cola/permits/1003167140_1606871924.75/0/grpc-netty-1-7-0-sources-
jar/io/grpc/netty/NettyClientStream.java
* /opt/cola/permits/1003167140_1606871924.75/0/grpc-netty-1-7-0-sources-
jar/io/grpc/netty/SendPingCommand.java
* /opt/cola/permits/1003167140_1606871924.75/0/grpc-netty-1-7-0-sources-jar/io/grpc/netty/JettyTlsUtil.java
* /opt/cola/permits/1003167140_1606871924.75/0/grpc-netty-1-7-0-sources-jar/io/grpc/netty/package-info.java
* /opt/cola/permits/1003167140_1606871924.75/0/grpc-netty-1-7-0-sources-
jar/io/grpc/netty/NettyServerProvider.java
* /opt/cola/permits/1003167140_1606871924.75/0/grpc-netty-1-7-0-sources-
jar/io/grpc/netty/ProtocolNegotiator.java
* /opt/cola/permits/1003167140_1606871924.75/0/grpc-netty-1-7-0-sources-
jar/io/grpc/netty/CancelServerStreamCommand.java
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jar/io/grpc/netty/AbstractHttp2Headers.java  
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jar/io/grpc/netty/InternalHandlerSettings.java  
\* /opt/cola/permits/1003167140\_1606871924.75/0/grpc-netty-1-7-0-sources-  
jar/io/grpc/netty/GrpcHttp2ConnectionHandler.java  
\* /opt/cola/permits/1003167140\_1606871924.75/0/grpc-netty-1-7-0-sources-  
jar/io/grpc/netty/InternalNettyServerBuilder.java  
\* /opt/cola/permits/1003167140\_1606871924.75/0/grpc-netty-1-7-0-sources-  
jar/io/grpc/netty/InternalNettyChannelBuilder.java  
\* /opt/cola/permits/1003167140\_1606871924.75/0/grpc-netty-1-7-0-sources-  
jar/io/grpc/netty/GracefulCloseCommand.java

\* /opt/cola/permits/1003167140\_1606871924.75/0/grpc-netty-1-7-0-sources-jar/io/grpc/netty/ClientTransportLifecycleManager.java  
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\* /opt/cola/permits/1003167140\_1606871924.75/0/grpc-netty-1-7-0-sources-jar/io/grpc/netty/NettyServerBuilder.java  
\* /opt/cola/permits/1003167140\_1606871924.75/0/grpc-netty-1-7-0-sources-jar/io/grpc/netty/NettyServerStream.java  
\* /opt/cola/permits/1003167140\_1606871924.75/0/grpc-netty-1-7-0-sources-jar/io/grpc/netty/CancelClientStreamCommand.java  
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\* /opt/cola/permits/1003167140\_1606871924.75/0/grpc-netty-1-7-0-sources-jar/io/grpc/netty/Utils.java  
\* /opt/cola/permits/1003167140\_1606871924.75/0/grpc-netty-1-7-0-sources-jar/io/grpc/netty/NettyServerHandler.java  
\* /opt/cola/permits/1003167140\_1606871924.75/0/grpc-netty-1-7-0-sources-jar/io/grpc/netty/NettyServer.java  
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* /opt/cola/permits/1003167140_1606871924.75/0/grpc-netty-1-7-0-sources-
jar/io/grpc/netty/NettyChannelBuilder.java
* /opt/cola/permits/1003167140_1606871924.75/0/grpc-netty-1-7-0-sources-jar/io/grpc/netty/NegotiationType.java
* /opt/cola/permits/1003167140_1606871924.75/0/grpc-netty-1-7-0-sources-
jar/io/grpc/netty/NettyReadableBuffer.java
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jar/io/grpc/netty/NettyClientTransport.java
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* /opt/cola/permits/1003166086_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/DelayedStream.java
* /opt/cola/permits/1003166086_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/DecompressorRegistry.java
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jar/io/grpc/ForwardingServerCallListener.java
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jar/io/grpc/internal/WritableBufferAllocator.java
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* /opt/cola/permits/1003166086_1606872097.97/0/grpc-core-1-7-0-sources-
jar/io/grpc/internal/ContextRunnable.java
* /opt/cola/permits/1003166086_1606872097.97/0/grpc-core-1-7-0-sources-
jar/io/grpc/ManagedChannelBuilder.java
* /opt/cola/permits/1003166086_1606872097.97/0/grpc-core-1-7-0-sources-
jar/io/grpc/inprocess/InProcessServerBuilder.java
```



\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/Decompressor.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/CompressorRegistry.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/package-info.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/Contexts.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/Http2Ping.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/ForwardingServerCall.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/InternalSubchannel.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/ForwardingClientCall.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/EquivalentAddressGroup.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/ServerTransport.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/DnsNameResolverProvider.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/ManagedChannel.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/DelayedClientTransport.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/Internal.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/WritableBuffer.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/PartialForwardingServerCall.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/NameResolver.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/inprocess/InProcessServer.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/SerializeReentrantCallsDirectExecutor.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/CallOptions.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/NoopClientStream.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/PartialForwardingServerCallListener.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/StatusRuntimeException.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/ManagedChannelProvider.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/package-info.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/ExponentialBackoffPolicy.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/ResolvedServerInfo.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/ExperimentalApi.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/Codec.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/ServerBuilder.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/inprocess/package-info.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/inprocess/InProcessChannelBuilder.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/StatusException.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/PickFirstBalancerFactory.java

\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/InternalServer.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/Compressor.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/BackoffPolicy.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/ServerProvider.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/DnsNameResolver.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/ServerCallImpl.java  
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\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/Server.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/StreamListener.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/Http2ClientStreamTransportState.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/Stream.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/CompositeReadableBuffer.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/ServerCallHandler.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/ClientCall.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/Status.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/ReadableBuffer.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/AbstractManagedChannelImplBuilder.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/AbstractServerImplBuilder.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/ClientStreamListener.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/ReadableBuffers.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/SharedResourceHolder.java

\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/AbstractServerStream.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/ClientCallImpl.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/ServerInterceptor.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/TransportFrameUtil.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/ClientStream.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/ServerMethodDefinition.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/GrpcUtil.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/ServerTransportListener.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/ClientInterceptors.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/ForwardingReadableBuffer.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/SerializingExecutor.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/Drainable.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/MethodDescriptor.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/ServerImpl.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/Metadata.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/ServerCall.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/MessageFramer.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/ClientTransportFactory.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/KnownLength.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/AbstractStream.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/MessageDeframer.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/ServerStream.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/HandlerRegistry.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/util/MutableHandlerRegistry.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/AbstractReadableBuffer.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/Channel.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/AbstractClientStream.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/ServerListener.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/ServerStreamListener.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/ServerInterceptors.java  
\* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/ServerServiceDefinition.java

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- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/util/package-info.java
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- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/StreamTracer.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/ServerStreamTracer.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/AtomicBackoff.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/ClientStreamTracer.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/InternalServerInterceptors.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/ForwardingNameResolver.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/FixedObjectPool.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/GzipInflatingBuffer.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/InternalStatus.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/ForwardingChannelBuilder.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/MoreThrowables.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/ApplicationThreadDeframer.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/Deframer.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/util/TransmitStatusRuntimeExceptionInterceptor.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/Framer.java

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- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/KeepAliveManager.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/ServerTransportFilter.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/Grpc.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/InternalHandlerRegistry.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/CallCredentials.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/AbstractSubchannel.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/IOUtils.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/InternalMetadata.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/NameResolverProvider.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/PickSubchannelArgsImpl.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/SharedResourcePool.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/FailingClientTransport.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/CensusStatsModule.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/BindableService.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/ConnectivityStateManager.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/LoadBalancer.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/LogExceptionRunnable.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/inprocess/InProcessSocketAddress.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/LogId.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/util/RoundRobinLoadBalancerFactory.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/ManagedChannelImpl.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/ClientTransport.java

- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/InternalMethodDescriptor.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/ConnectivityState.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/ManagedClientTransport.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/CallCredentialsApplyingTransportFactory.java
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- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/SecurityLevel.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/WithLogId.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/MetadataApplierImpl.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/FailingClientStream.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/InternalDecompressorRegistry.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/ResolvedServerInfoGroup.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/ObjectPool.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/StatsTraceContext.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/ConnectivityStateInfo.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/InternalKnownTransport.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/ConnectionClientTransport.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/internal/ChannelExecutor.java
- \* /opt/cola/permits/1003166086\_1606872097.97/0/grpc-core-1-7-0-sources-jar/io/grpc/ServiceDescriptor.java

## 1.264 grpc-protobuf-lite 1.7.0

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\* /opt/cola/permits/1003166245\_1611198604.85/0/grpc-protobuf-lite-1-7-0-sources-  
jar/io/grpc/protobuf/lite/ProtoInputStream.java  
\* /opt/cola/permits/1003166245\_1611198604.85/0/grpc-protobuf-lite-1-7-0-sources-  
jar/io/grpc/protobuf/lite/ProtoLiteUtils.java

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jar/io/grpc/protobuf/lite/package-info.java

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\* /opt/cola/permits/1003166400\_1611198593.53/0/grpc-context-1-7-0-sources-jar/io/grpc/Deadline.java  
\* /opt/cola/permits/1003166400\_1611198593.53/0/grpc-context-1-7-0-sources-jar/io/grpc/ThreadLocalContextStorage.java

# 1.266 grpc-protobuf 1.7.0

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\* /opt/cola/permits/1003166137\_1611198606.06/0/grpc-protobuf-1-7-0-sources-jar/io/grpc/protobuf/ProtoServiceDescriptorSupplier.java

\* /opt/cola/permits/1003166137\_1611198606.06/0/grpc-protobuf-1-7-0-sources-jar/io/grpc/protobuf/StatusProto.java

\* /opt/cola/permits/1003166137\_1611198606.06/0/grpc-protobuf-1-7-0-sources-jar/io/grpc/protobuf/ProtoMethodDescriptorSupplier.java

## 1.267 grpc-stub 1.7.0

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\* /opt/cola/permits/1003166183\_1606871966.6/0/grpc-stub-1-7-0-sources-jar/io/grpc/stub/AbstractStub.java

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* /opt/cola/permits/1003166183_1606871966.6/0/grpc-stub-1-7-0-sources-jar/io/grpc/stub/ServerCalls.java
* /opt/cola/permits/1003166183_1606871966.6/0/grpc-stub-1-7-0-sources-jar/io/grpc/stub/StreamObserver.java
* /opt/cola/permits/1003166183_1606871966.6/0/grpc-stub-1-7-0-sources-jar/io/grpc/stub/MetadataUtils.java
* /opt/cola/permits/1003166183_1606871966.6/0/grpc-stub-1-7-0-sources-jar/io/grpc/stub/ClientCalls.java
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* /opt/cola/permits/1003166183_1606871966.6/0/grpc-stub-1-7-0-sources-
jar/io/grpc/stub/ClientCallStreamObserver.java
* /opt/cola/permits/1003166183_1606871966.6/0/grpc-stub-1-7-0-sources-
jar/io/grpc/stub/ClientResponseObserver.java
* /opt/cola/permits/1003166183_1606871966.6/0/grpc-stub-1-7-0-sources-
jar/io/grpc/stub/ServerCallStreamObserver.java
* /opt/cola/permits/1003166183_1606871966.6/0/grpc-stub-1-7-0-sources-jar/io/grpc/stub/CallStreamObserver.java
```

# 1.268 man-pages 4.15-1

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## 1.269 opencensus-api 0.6.0

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```

Found in path(s):

```
* /opt/cola/permits/1003167056_1611198590.37/0/opencensus-api-0-6-0-sources-
jar/io/opencensus/trace/samplers/Samplers.java
* /opt/cola/permits/1003167056_1611198590.37/0/opencensus-api-0-6-0-sources-
```

jar/io/opencensus/trace/propagation/PropagationComponent.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-  
jar/io/opencensus/trace/EndSpanOptions.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-  
jar/io/opencensus/trace/export/SpanExporter.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-  
jar/io/opencensus/trace/SpanId.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-  
jar/io/opencensus/trace/samplers/NeverSampleSampler.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-  
jar/io/opencensus/trace/ScopedSpanHandle.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-  
jar/io/opencensus/trace/export/SampledSpanStore.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-  
jar/io/opencensus/trace/config/TraceParams.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-  
jar/io/opencensus/trace/export/RunningSpanStore.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-  
jar/io/opencensus/common/TimeUtil.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-  
jar/io/opencensus/trace/export/ExportComponent.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-  
jar/io/opencensus/trace/Annotation.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-  
jar/io/opencensus/trace/unsafe/ContextUtils.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-  
jar/io/opencensus/trace/propagation/BinaryFormat.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-  
jar/io/opencensus/trace/Sampler.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-  
jar/io/opencensus/internal/package-info.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-  
jar/io/opencensus/common/Internal.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-jar/io/opencensus/trace/Link.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-  
jar/io/opencensus/trace/TraceOptions.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-  
jar/io/opencensus/common/NonThrowingCloseable.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-  
jar/io/opencensus/trace/export/SpanData.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-  
jar/io/opencensus/internal/ZeroTimeClock.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-  
jar/io/opencensus/common/Scope.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-  
jar/io/opencensus/trace/samplers/ProbabilitySampler.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-  
jar/io/opencensus/trace/CurrentSpanUtils.java

\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-jar/io/opencensus/trace/samplers/AlwaysSampleSampler.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-jar/io/opencensus/common/Functions.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-jar/io/opencensus/trace/config/TraceConfig.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-jar/io/opencensus/common/Clock.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-jar/io/opencensus/trace/SpanBuilder.java

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\*/

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\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-jar/io/opencensus/trace/Status.java

\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-jar/io/opencensus/common/Function.java

\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-jar/io/opencensus/trace/TraceId.java

\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-jar/io/opencensus/internal/StringUtil.java

\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-jar/io/opencensus/common/Duration.java

\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-jar/io/opencensus/internal/Provider.java

\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-jar/io/opencensus/trace/TraceComponent.java

\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-jar/io/opencensus/trace/Tracing.java

\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-jar/io/opencensus/trace/NetworkEvent.java

\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-jar/io/opencensus/common/Timestamp.java

\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-jar/io/opencensus/trace/Span.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-jar/io/opencensus/trace/AttributeValue.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-jar/io/opencensus/trace/SpanContext.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-jar/io/opencensus/trace/BlankSpan.java  
\* /opt/cola/permits/1003167056\_1611198590.37/0/opencensus-api-0-6-0-sources-jar/io/opencensus/trace/Tracer.java

## 1.270 ruby-minitest 5.10.3-1

## 1.271 ruby-test-unit 3.2.5-1

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JPython was created in late 1997 by Jim Hugunin. Jim was also the primary developer while he was at CNRI. In February 1999 Barry Warsaw took over as primary developer and released JPython version 1.1. In October 2000 Barry helped move the software to SourceForge where it was renamed to Jython. Jython 2.0 is developed by a group of volunteers.

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## 1.279 libprelude 4.1.0-4

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# 1.281 netty-tcnative-boringssl-static 2.0.9

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## 1.283 language-pack-en 18.04+20190718

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## 1.284 language-pack-gnome-en

### 18.04+20190718

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) <year> <name of author>
```

```
This program is free software; you can redistribute it and/or modify  
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(at your option) any later version.
```

```
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If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
```

The hypothetical commands ``show w'` and ``show c'` should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than ``show w'` and ``show c'`; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program
`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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Version 3, 19 November 2007

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## 1.285 opencensus-api 0.21.0

## 1.286 gettext 0.20.1

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former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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@heading END OF TERMS AND CONDITIONS  
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@ifinfo  
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@page

@heading Appendix: How to Apply These Terms to Your New Programs

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@smallexample

@var{one line to give the program's name and a brief idea of what it does.}

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@end smallexample

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@smallexample

Gnomovision version 69, Copyright (C) @var{year} @var{name of author}

Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.

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@end smallexample

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You should also get your employer (if you work as a programmer) or your school, if any, to sign a ``copyright disclaimer" for the program, if necessary. Here is a sample; alter the names:

@example

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`Gnomovision' (which makes passes at compilers) written by James Hacker.

@var{signature of Ty Coon}, 1 April 1989

Ty Coon, President of Vice

@end example

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Version 2.1, February 1999

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### 1. Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source

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## 1.287 jackson-module-paranamer 2.9.9

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It has been maintained for Debian by Noah Meyerhans <noahm@debian.org>  
since 6 Feb 2001.

It was downloaded from <https://github.com/iputils/iputils>

Upstream Author: Alexey Kuznetsov <kuznet@ms2.inr.ac.ru>

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## 1.290 feign-slf4j 10.2.3

## 1.291 feign-core 10.2.3

## 1.292 feign-form 3.8.0

## 1.293 feign-hystrix 10.2.3

## 1.294 slf4j-log4j 1.7.21

## 1.295 chardet 3.0.4-1

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Upstream-Name: chardet

Upstream-Contact: Daniel Blanchard <dan.blanchard@gmail.com>

Source: <https://pypi.python.org/pypi/chardet>

Files: \*

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## 1.296 python-pyasn1-modules 0.2.1-0.2

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## 1.297 libassuan 2.5.1-2

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# 1.299 golang-protobuf-extensions 1.0.1

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# 1.300 mitchellh-mapstructure 1.1.2

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# 1.307 update-manager 18.04.11.10

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It was downloaded from <http://code.launchpad.net/~ubuntu-core-dev/update-manager/main>

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## 1.308 distro-info 0.18ubuntu0.18.04.1

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# 1.309 byobu 5.125-0ubuntu1

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# 1.315 ubuntu-meta 1.417.3

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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
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```

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```
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```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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# 1.316 screen 4.6.2-1ubuntu1

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## 1.317 language-selector 0.188.3

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Upstream-Source: <https://code.launchpad.net/~ubuntu-core-dev/language-selector/ubuntu>

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## 1.320 jackson-dataformat-csv 2.9.9

## 1.321 annotations 4.1.1.4

## 1.322 asm-util 5.0.3

## 1.323 asm-tree 5.0.3

## 1.324 rxjava 1.2.0

## 1.325 javax-annotation-api 1.3.2

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## 1.328 jffi-java-foreign-function-interface

### 1.2.15

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* /opt/cola/permits/1006500505_1611876759.49/0/protobuf-java-3-4-0-sources-  
zip/com/google/protobuf/MapField.java  
* /opt/cola/permits/1006500505_1611876759.49/0/protobuf-java-3-4-0-sources-  
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zip/google/protobuf/any.proto  
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zip/com/google/protobuf/AbstractProtobufList.java  
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\* /opt/cola/permits/1006500505\_1611876759.49/0/protobuf-java-3-4-0-sources-zip/com/google/protobuf/MessageLiteOrBuilder.java  
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## 1.339 netty-handler 4.1.39

## 1.340 netty 4.1.39

## 1.341 netty-codec 4.1.39

## 1.342 jboss-logging 3.3.3

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=====

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- \* strscan

Wakou Aoyama (wakou)

- \* committer

- \* He was the maintainer of some standard libraries.

Koji Arai

- \* committer

arton

- \* He is the distributor of ActiveScriptRuby and experimental 1.9.0-x installers for win32.

- \* Wrote patches for win32ole, gc.c, tmpdir.rb

Sergey Avseyev

- \* Added IO#pread and IO#pwrite.

== B

Daniel Berger

- \* a patch for irb

- \* documentation

- \* He wrote forwardable.rb

David Black (dblack)

- \* committer

- \* He is the maintainer of scanf

Ken Bloom

\* a patch for REXML.

Oliver M. Bolzer

\* a patch for soap

Alexey Borzenkov

\* a patch for mkmf.rb

Evan Brodie

\* a patch for documentation of Float#round

Richard Brown

\* a patch for configure.in

Dirkjan Bussink

\* a patch for date.rb

Daniel Bovensiepen

\* documentation

\* a patch for irb

== C

Brian Candler

\* a patch for configure.in, net/telnet

keith cascio

\* a patch for optparse.rb

Frederick Cheung

\* a patch for test/ruby/test\_symbol.rb

Christoph

\* patches for set.rb

Sean Chittenden

\* patches for net/http, cgi

William D. Clinger

\* ruby\_strtod is based on his paper.

== D

Ryan Davis (ryan)

\* committer

\* He wrote and is the maintainer of miniunit

Guy Decoux (ts)

\* committer

Zach Dennis

Martin Duerst (duerst)

\* committer

\* M17N

Paul Duncan

\* pathces for rdoc

Alexander Dymo

\* a patch for lib/benchmark.rb

== E

Yusuke Endoh (mame)

\* committer

\* He wrote and is the maintainer of base64 library (1.9)

\* did much upon YARV compiler.

erlercw

\* wrote Integer::gcd2

== F

Frank S.Fejes

\* a patch for net/pop

Fundakowski Feldman

\* a patch for process.c

Mauricio Fernandez

\* patches for parse.y

David Flanagan (davidflanagan)

\* committer

\* M17N

Takeyuki Fujioka (xibbar)

\* committer

\* He is the maintainer of cgi/\*

FUKUMOTO, Atsushi

\* a patch for tracer.rb

Shota Fukumori (sorah)

- \* committer
- \* #4415 parallel unit/test

Tadayoshi Funaba (tadf)

- \* committer
- \* He wrote and is the maintainer of
  - \* date
  - \* parsedate (1.8)
- \* He ported rational.rb and complex.rb, which 1.8 contains, into rational.c and complex.c of 1.9.

== G

David M. Gay

- \* ruby\_strtod

Florian Gilcher

- \* documentation

GOTOU, Kentaro (gotoken)

- \* committer
- \* He wrote benchmark.rb
- \* He is the maintainer of:
  - \* benchmark.rb
  - \* open3

GOTOU, Yuuzou (gotoyuzo)

- \* committer

James Edward Gray II (jeg2)

- \* committer
- \* He wrote the faster implementation of CSV and is the maintainer of csv.
- \* Wrote documentation for rdoc

== H

Phil Hagelberg

- \* patch for ruby-mode.el's documentation.

Kirk Haines (wyhaines)

- \* committer
- \* the maintainer of ruby\_1\_8\_6 branch

Shinichiro Hamaji

- \* fixed memory leaks (marshal.c, string.c)

Shin-ichiro HARA

- \* the developer and the sysop of ruby-{dev,list,core,talk} archive.
- \* a patch for numeric.c

Chris Heath (traumdeutung)

- \* a patch for proc.c

HIROKAWA Hisashi

- \* fixed socket/socket.c

Daniel Hob

- \* He wrote:
  - \* SMTP-TLS support for net/smtp.
  - \* POP3S support

Eric Hodel (drbrain)

- \* committer
- \* He is the maintainer of:
  - \* rdoc
  - \* ri
  - \* rubygems

Erik Hollensbe

- \* a patch for delegate.rb

Johan Holmberg

- \* a patch for dir.c
- \* documentation

Erik Huelsmann

Dae San Hwang

- \* built a continuous integration environment on OpenSolaris.

== I

Nobuhiro IMAI

- \* a patch for logger.rb

"incorporate"

- \* a patch for sprintf.c

Keiju Ishitsuka (keiju)

- \* committer
- \* He wrote and is the maintainer of:
  - \* cmath.rb (1.9)
  - \* complex.rb (1.8)
  - \* e2mmap.rb
  - \* forwardable.rb
  - \* irb
  - \* mathn

- \* matrix.rb
- \* mutex\_m.rb
- \* rational.rb (1.8)
- \* sync.rb
- \* shell/\*
- \* thwait.rb
- \* tracer.rb

== J

Curtis Jackson

- \* missing/dup2.c

Alan Johnson

- \* a patch for net/ftp

Lyle Johnson

- \* patches for nkf, bigdecimal, numeric.c

== K

Yoshihiro Kambayashi

- \* a patch for enc/trans/single\_byte.trans.
- \* He wrote supports for some encodings.

Yutaka Kanemoto

- \* patches for common.mk, AIX AF\_INET6 support

Motoyuki Kasahara

- \* He wrote getoptlong.rb

Masahiro Kawato

- \* a patch for shellwords.rb

Wataru Kimura

- \* a patch for configure.in

Michael Klishin

- \* patch for make help.

Noritada Kobayashi

- \* a patch for optparse.rb

Shigeo Kobayashi (shigek)

- \* committer
- \* He is the maintainer of bigdecimal

KONISHI, Hiromasa (H\_Konishi)

- \* committer
- \* He had maintained the bcc32 support in 2004.

Kornelius "murphy" Kalnbach

- \* documentation

K.Kosako (kosako)

- \* committer
- \* He wrote Oniguruma.

Takehiro Kubo

- \* patches for dl 64bit support.

== L

Marc-Andre Lafortune (marcandre)

- \* committer
- \* patches for hash.c, array.c, thread.c, enumc, string.c, range.c and rdoc documentation.

Hongli Lai

- \* improved pstore.rb
- \* patch for tool/file2lastrev.rb.

raspberry lemon

- \* a patch for webrick/httpproxy.rb.

Christian Loew

- \* a patch for fileutils.rb

== M

Shugo Maeda (shugo)

- \* committer
- \* A system administrator of ruby-lang.org servers.
- \* He wrote and is the maintainer of:
  - \* monitor.rb
  - \* net/ftp
  - \* net/imap

Stephan Maka (mathew)

- \* documentation

Yukihiro Matsumoto (matz)

- \* Matz -- the founder, language designer of Ruby.
- \* committer
- \* Ruby itself, most of Ruby.
- \* He is the maintainer of:
  - \* singleton

- \* timeout
- \* gdbm
- \* sdbm

Konrad Meyer

- \* documentation

Mib Software

- \* missing/vsnprintf.c

Todd C. Miller

- \* missing/strlcat.c
- \* missing/strncpy.c

MIYASAKA, Masaru

- \* a patch for cgi.rb

Stefan Monnier

- \* regex.c was fixed with based on his Emacs21 patch.

Marcel Moolenaar

- \* patches for eval.c and gc.c.

moonwolf

- \* a patch for REXML, xmlrpc

Hiroshi Moriyama

- \* a patch for yaml.

Kyosuke Morohashi

- \* a patch for gem\_prelude.rb

Kenta Murata

- \* patches for json, bignum.c

Akinori MURASHI (knu)

- \* committer
- \* He wrote and is the maintainer of:
  - \* abbrev.rb
  - \* generator (1.8)
  - \* enumerator (1.8)
  - \* set
  - \* ipaddr.rb
  - \* digest/\*
  - \* syslog
- \* He is the branch maintainer of ruby\_1\_8, the release manager of 1.8 series.

== N



Hidetoshi NAGAI (nagai)

- \* committer
- \* He is the maintainer of tk/\*

Nobuyoshi Nakada (nobu)

- \* committer
- \* a.k.a. the "patch monster"
- \* He wrote and is the maintainer of:
  - \* optparse
  - \* stringio
  - \* io/wait
  - \* iconv

Satoshi Nakagawa

- \* patches for util.c

Narihiro Nakamura (nari)

- \* committer
- \* a.k.a. authorNari
- \* working at GC

NAKAMURA, Hiroshi (nahi)

- \* committer
- \* He is the maintainer of:
  - \* csv.rb (1.8)
  - \* logger.rb
  - \* soap/\* (1.8)
  - \* wsdl/\* (1.8)
  - \* xsd/\* (1.8)

NAKAMURA, Usaku (usa)

- \* committer
- \* a.k.a. unak
- \* He is the maintainer of mswin32 and mswin64 support.

NARUSE, Yui (naruse)

- \* committer
- \* a.k.a. "nurse"
- \* Did much upon m17n.
- \* He is the maintainer of:
  - \* json
  - \* nkf

Christian Neukirchen

- \* a patch for webrick/httputils

Michael Neumann (mneumann)

- \* committer
- \* He is the maintainer of
- \* xmlrpc (1.8)
- \* gserver (1.8)

NISHIO Hirokazu

- \* wrote a patch for CVE-2010-0541

Kazuhiro NISHIYAMA (kazu)

- \* committer
- \* a.k.a. znz

Go Noguchi

Martin Nordholts

- \* misc/rdebug.el

nmu

- \* a patch for socket

== O

okkez

- \* He is a sysop of the Ruby Reference Manual Renewal Project.
- \* fixed ipaddr.rb, ext/etc

Haruhiko Okumura

- \* some of missing/\* is based on his book:
- \* missing/erf.c
- \* missing/lgamma\_r.c
- \* missing/tgamma.c

OMAE, jun

- \* a patch for debug.rb

Eugene Ossintsev

- \* documentation

== P

Heesob Park

- \* a patch for win32/win32.c.

pegacorn

- \* a patch for instruby.rb

== Q

== R

Gaston Ramos

- \* documentation

The Regents of the University of California

- \* missing/crypt.c

- \* missing/vsnprintf.c

Sam Roberts

- \* patch for socket

- \* documentation

Michal Rokos (michal)

- \* committer

- \* He was the maintainer of DJGPP support.

rubikitch

- \* a patch for io.c

Marcus Rueckert

- \* a patch for mkconfig.rb.

Run Paint Run Run

- \* patch for enc/unicode.c

- \* documentation

Sean Russell (ser)

- \* committer

- \* He wrote and is the maintainer of REXML.

== S

Kazuo Saito (ksaito)

- \* committer

- \* M17N

Tadashi Saito

- \* patches for test/ruby/test\_math.rb, thread\_\*.c, bignum.c

- \* working upon BigDecimal.

- \* did much upon documentation

Masahiro Sakai

- \* a patch for io.c

Laurent Sansonetti

- \* a patch for tool/ytab.sed

Jeff Saracco

- \* documentation

Koichi Sasada (ko1)

- \* committer
- \* He wrote YARV.

Hugh Sasse

- \* a patch for net/http
- \* documentation

Charlie Savage

- \* a patch for win32/Makefile.sub

Michael Scholz

- \* a patch for ruby-mode.el

Arthur Schreiber

- \* patch for net/http and rdoc.

Masatoshi SEKI (seki)

- \* committer
- \* He wrote and is the maintainer of:
  - \* drb/\*
  - \* erb
  - \* rinda

Roman Shterenzon

- \* a patch for open-uri.

Kent Sibilev

Gavin Sinclair (gsinclair)

- \* committer

John W. Small

- \* He wrote gserver.rb

Yuki Sonoda (yugui)

- \* committer
- \* She is the maintainer of man/\* manual pages and is the release manager of 1.9 series.
- \* She wrote prime.rb.
- \* A developer and a sysop of redmine.ruby-lang.org.

SOUMA, Yutaka

- \* a patch for pack.c.

Tatsuki Sugiura

\* WebDAV support for net/http

Masaki Suketa (suke)

\* committer

\* He is the maintainer of win32ole

sheepman

\* patches for ruby.c, thread.c, stringio, enum.c, webrick, net/http

Siena. (siena)

\* committer

Kirill A. Shutemov

\* a patch for parse.y

Darren Smith

\* a patch for golf\_prelude.rb

Richard M. Stallman

\* missing/alloca.c

Robin Stocker

\* documentation

Joshua Stowers

\* a patch for array.c

Marcus Stollsteimer (stomar)

\* committer

\* a maintainer of www.ruby-lang.org

\* patches for cgi (HTML5 tag maker), numeric.c, bigdecimal, ostruct.rb, prime.rb, and others

\* documentation

Adam Strzelecki

\* a patch for compile.c

Masashi Sumi

\* improved net/pop.rb

Eric Sunshine

\* NeXT OpenStep, Rhapsody support

Kouhei Sutou (kou)

\* committer

\* He wrote and is the maintainer of rss/\*

David Symonds

\* documentation

== T

TAKANO Mitsuhiro (takano32)

- \* committer
- \* He is the maintainer of IA-64 support.
- \* BigDecimal

TAKAO, Kouji (kouji)

- \* committer
- \* He is the maintainer of readline.

Nathaniel Talbott (ntalbott)

- \* committer
- \* He was the maintainer of test/unit, runit, rubyunit.

TANAKA, Akira (akr)

- \* committer
- \* Did much upon m17n.
- \* And he is the maintainer of:
  - \* open-uri
  - \* pathname
  - \* pp
  - \* resolv-replace
  - \* resolv
  - \* time
  - \* tsort

Takaaki Tateishi (ttate)

- \* committer
- \* He was the maintainer of dl

Technorama Ltd. (technorama)

- \* committer
- \* openssl

Andrew Thompson

- \* a patch for socket.c IRIX support.

Dave Thomas (dave)

- \* committer
- \* a.k.a. the Pragmatic Programmer.
- \* He wrote rdoc.

Tietew

- \* patches for win32 support

Masahiro Tomita

\* a patch for cgi.rb

Jakub Travnik

\* a patch for eval.c

Tom Truscott

\* missing/crypt.c

== U

UEDA, Satoshi

\* a patch for uri

Takaaki Uematsu (uema2)

\* committer

\* He was the maintainer of WinCE support.

UENO, Katsuhiko (katsu)

\* committer

\* He is the maintainer of zlib

Hajimu UMEMOTO

\* He wrote ipaddr.rb

URABE, Shyouhei (shyouhei)

\* committer

\* a.k.a. mput.

\* He is the branch maintainer of ruby\_1\_8\_6 and ruby\_1\_8\_7

\* and is the release manager of 1.8.x-pXXX.

== V

Joel VanderWerf

\* a patch for numeric.c

Peter Vanbroekhoven

Corinna Vinschen

== W

wanabe (wanabe)

\* committer

\* fixed YARV and Oniguruma.

Chun Wang

\* a patch for time.rb

WATANABE, Hirofumi (eban)

- \* committer
- \* He is the maintainer of
- \* ftools (1.8)
- \* tmpdir
- \* un
- \* Win32API

WATANABE, Tetsuya

- \* a patch for ruby.c

William Webber (wew)

- \* committer

Jim Weirich (jim)

- \* committer
- \* He wrote Rake.

Nathan Weizenbaum

- \* fixed misc/ruby-mode.el.

why the lucky stiff (why)

- \* committer
- \* He is the maintainer of syck

Caley Woods

- \* documentation

Gary Wright

- \* documentation

== X

== Y

Akira Yamada (akira)

- \* committer
- \* He is the maintainer of ruby related packages at Debian project.

Keita Yamaguchi

- \* patches for enum.c, parse.y
- \* documentation

Hirokazu Yamamoto (ocean)

- \* committer

Hirotaaka Yoshioka

- \* a patch for improving SEGV handling



== Z

Aristarkh A Zagorodnikov

\* a patch for io.c

Alexander Zavorine

\* committer

\* He is the maintainer for Symbian OS.

Chiyuan Zhang

\* a patch for misc/ruby-mode.el.

Dee Zsombor (zunda)

\* a patch for thread\_pthread.c

Dan Zwell

\* a patch for net/pop

# frozen\_string\_literal: true

require 'rubygems/text'

class Gem::Licenses

extend Gem::Text

NONSTANDARD = 'Nonstandard'.freeze

# Software Package Data Exchange (SPDX) standard open-source software

# license identifiers

IDENTIFIERS = %w(  
 0BSD

AAL

ADSL

AFL-1.1

AFL-1.2

AFL-2.0

AFL-2.1

AFL-3.0

AGPL-1.0

AGPL-3.0

AMDPLPA

AML

AMPAS

ANTLR-PD

APAFML

APL-1.0

APSL-1.0

APSL-1.1

APSL-1.2

APSL-2.0  
Abstyles  
Adobe-2006  
Adobe-Glyph  
Afmparse  
Aladdin  
Apache-1.0  
Apache-1.1  
Apache-2.0  
Artistic-1.0  
Artistic-1.0-Perl  
Artistic-1.0-cl8  
Artistic-2.0  
BSD-2-Clause  
BSD-2-Clause-FreeBSD  
BSD-2-Clause-NetBSD  
BSD-3-Clause  
BSD-3-Clause-Attribution  
BSD-3-Clause-Clear  
BSD-3-Clause-LBNL  
BSD-3-Clause-No-Nuclear-License  
BSD-3-Clause-No-Nuclear-License-2014  
BSD-3-Clause-No-Nuclear-Warranty  
BSD-4-Clause  
BSD-4-Clause-UC  
BSD-Protection  
BSD-Source-Code  
BSL-1.0  
Bahyph  
Barr  
Beerware  
BitTorrent-1.0  
BitTorrent-1.1  
Borceux  
CATOSL-1.1  
CC-BY-1.0  
CC-BY-2.0  
CC-BY-2.5  
CC-BY-3.0  
CC-BY-4.0  
CC-BY-NC-1.0  
CC-BY-NC-2.0  
CC-BY-NC-2.5  
CC-BY-NC-3.0  
CC-BY-NC-4.0  
CC-BY-NC-ND-1.0  
CC-BY-NC-ND-2.0  
CC-BY-NC-ND-2.5

CC-BY-NC-ND-3.0  
CC-BY-NC-ND-4.0  
CC-BY-NC-SA-1.0  
CC-BY-NC-SA-2.0  
CC-BY-NC-SA-2.5  
CC-BY-NC-SA-3.0  
CC-BY-NC-SA-4.0  
CC-BY-ND-1.0  
CC-BY-ND-2.0  
CC-BY-ND-2.5  
CC-BY-ND-3.0  
CC-BY-ND-4.0  
CC-BY-SA-1.0  
CC-BY-SA-2.0  
CC-BY-SA-2.5  
CC-BY-SA-3.0  
CC-BY-SA-4.0  
CC0-1.0  
CDDL-1.0  
CDDL-1.1  
CECILL-1.0  
CECILL-1.1  
CECILL-2.0  
CECILL-2.1  
CECILL-B  
CECILL-C  
CNRI-Jython  
CNRI-Python  
CNRI-Python-GPL-Compatible  
CPAL-1.0  
CPL-1.0  
CPOL-1.02  
CUA-OPL-1.0  
Caldera  
CIArtistic  
Condor-1.1  
Crossword  
CrystalStacker  
Cube  
D-FSL-1.0  
DOC  
DSDP  
Dotseqn  
ECL-1.0  
ECL-2.0  
EFL-1.0  
EFL-2.0  
EPL-1.0

EUDatagrid  
EURL-1.0  
EURL-1.1  
Entessa  
ErlPL-1.1  
Eurosymb  
FSFAP  
FSFUL  
FSFULLR  
FTL  
Fair  
Frameworkx-1.0  
FreeImage  
GFDL-1.1  
GFDL-1.2  
GFDL-1.3  
GL2PS  
GPL-1.0  
GPL-1.0+  
GPL-2.0  
GPL-2.0+  
GPL-2.0-with-GCC-exception  
GPL-2.0-with-autoconf-exception  
GPL-2.0-with-bison-exception  
GPL-2.0-with-classpath-exception  
GPL-2.0-with-font-exception  
GPL-3.0  
GPL-3.0+  
GPL-3.0-with-GCC-exception  
GPL-3.0-with-autoconf-exception  
Giftware  
Glide  
Glulxe  
HPND  
HaskellReport  
IBM-pibs  
ICU  
IJG  
IPA  
IPL-1.0  
ISC  
ImageMagick  
Imlib2  
Info-ZIP  
Intel  
Intel-ACPI  
Interbase-1.0  
JSON

JasPer-2.0  
LAL-1.2  
LAL-1.3  
LGPL-2.0  
LGPL-2.0+  
LGPL-2.1  
LGPL-2.1+  
LGPL-3.0  
LGPL-3.0+  
LGPLLR  
LPL-1.0  
LPL-1.02  
LPPL-1.0  
LPPL-1.1  
LPPL-1.2  
LPPL-1.3a  
LPPL-1.3c  
Latex2e  
Leptonica  
LiLiQ-P-1.1  
LiLiQ-R-1.1  
LiLiQ-Rplus-1.1  
Libpng  
MIT  
MIT-CMU  
MIT-advertising  
MIT-enna  
MIT-feh  
MITNFA  
MPL-1.0  
MPL-1.1  
MPL-2.0  
MPL-2.0-no-copyleft-exception  
MS-PL  
MS-RL  
MTLL  
MakeIndex  
MirOS  
Motosoto  
Multics  
Mup  
NASA-1.3  
NBPL-1.0  
NCSA  
NGPL  
NLOD-1.0  
NLPL  
NOSL

NPL-1.0  
NPL-1.1  
NPOSL-3.0  
NRL  
NTP  
Naumen  
Net-SNMP  
NetCDF  
Newsletr  
Nokia  
Noweb  
Nunit  
OCCT-PL  
OCLC-2.0  
ODbL-1.0  
OFL-1.0  
OFL-1.1  
OGTSL  
OLDAP-1.1  
OLDAP-1.2  
OLDAP-1.3  
OLDAP-1.4  
OLDAP-2.0  
OLDAP-2.0.1  
OLDAP-2.1  
OLDAP-2.2  
OLDAP-2.2.1  
OLDAP-2.2.2  
OLDAP-2.3  
OLDAP-2.4  
OLDAP-2.5  
OLDAP-2.6  
OLDAP-2.7  
OLDAP-2.8  
OML  
OPL-1.0  
OSET-PL-2.1  
OSL-1.0  
OSL-1.1  
OSL-2.0  
OSL-2.1  
OSL-3.0  
OpenSSL  
PDDL-1.0  
PHP-3.0  
PHP-3.01  
Plexus  
PostgreSQL

Python-2.0  
QPL-1.0  
Qhull  
RHeCos-1.1  
RPL-1.1  
RPL-1.5  
RPSL-1.0  
RSA-MD  
RSCPL  
Rdisc  
Ruby  
SAX-PD  
SCEA  
SGI-B-1.0  
SGI-B-1.1  
SGI-B-2.0  
SISSL  
SISSL-1.2  
SMLNJ  
SMPPL  
SNIA  
SPL-1.0  
SWL  
Saxpath  
Sendmail  
SimPL-2.0  
Sleepycat  
Spencer-86  
Spencer-94  
Spencer-99  
StandardML-NJ  
SugarCRM-1.1.3  
TCL  
TCP-wrappers  
TMate  
TORQUE-1.1  
TOSL  
UPL-1.0  
Unicode-DFS-2015  
Unicode-DFS-2016  
Unicode-TOU  
Unlicense  
VOSTROM  
VSL-1.0  
Vim  
W3C  
W3C-19980720  
W3C-20150513

WTFPL  
WXwindows  
Watcom-1.0  
Wsuipa  
X11  
XFree86-1.1  
XSkat  
Xerox  
Xnet  
YPL-1.0  
YPL-1.1  
ZPL-1.1  
ZPL-2.0  
ZPL-2.1  
Zed  
Zend-2.0  
Zimbra-1.3  
Zimbra-1.4  
Zlib  
bzip2-1.0.5  
bzip2-1.0.6  
curl  
diffmark  
dvi2pdf  
eCos-2.0  
eGenix  
gSOAP-1.3b  
gnuplot  
iMatix  
libtiff  
mpich2  
psfrag  
psutils  
xinetd  
xpp  
zlib-acknowledgement  
)freeze

```
REGEXP = %r{
  \A
  (
    #{Regexp.union(IDENTIFIERS)}
    \+?
    (\s WITH \s .+)?
    | #{NONSTANDARD}
  )
  \Z
}ox.freeze
```



```
def self.match?(license)
  !REGEXP.match(license).nil?
end

def self.suggestions(license)
  by_distance = IDENTIFIERS.group_by do |identifier|
    levenshtein_distance(identifier, license)
  end
  lowest = by_distance.keys.min
  return unless lowest < license.size
  by_distance[lowest]
end
end
```

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Version 2, June 1991

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include/ruby/oniguruma.h:

regcomp.c:

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enc/ascii.c

enc/big5.c

enc/cp949.c

enc/emacs\_mule.c

enc/encdb.c

enc/euc\_jp.c

enc/euc\_kr.c

enc/euc\_tw.c

enc/gb18030.c

enc/gb2312.c

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enc/iso\_8859\_10.c

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random.c

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A C-program for MT19937, with initialization improved 2002/2/10.

Coded by Takuji Nishimura and Makoto Matsumoto.

This is a faster version by taking Shawn Cokus's optimization,

Matthe Bellew's simplification, Isaku Wada's real version.

Before using, initialize the state by using `init_genrand(seed)`

or `init_by_array(init_key, key_length)`.

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vm\_dump.c:procstat\_vm

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missing/dup2.c:  
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missing/finite.c:  
missing/hypot.c:  
missing/isinf.c:  
missing/isnan.c:  
missing/lgamma\_r.c:  
missing/memcmp.c:  
missing/memmove.c:  
missing/strchr.c:  
missing/strerror.c:  
missing/strstr.c:  
missing/tgamma.c:

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\* /opt/cola/permits/1007294135\_1646171712.95/0/error-prone-annotations-2-3-2-sources-jar/com/google/errorprone/annotations/FormatString.java  
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\* /opt/cola/permits/1007294135\_1646171712.95/0/error-prone-annotations-2-3-2-sources-jar/com/google/errorprone/annotations/DoNotCall.java  
\* /opt/cola/permits/1007294135\_1646171712.95/0/error-prone-annotations-2-3-2-sources-jar/com/google/errorprone/annotations/CheckReturnValue.java  
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\* /opt/cola/permits/1007294135\_1646171712.95/0/error-prone-annotations-2-3-2-sources-jar/com/google/errorprone/annotations/RequiredModifiers.java  
\* /opt/cola/permits/1007294135\_1646171712.95/0/error-prone-annotations-2-3-2-sources-jar/com/google/errorprone/annotations/CanIgnoreReturnValue.java  
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\* /opt/cola/permits/1007294135\_1646171712.95/0/error-prone-annotations-2-3-2-sources-jar/com/google/errorprone/annotations/concurrent/LazyInit.java  
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\* /opt/cola/permits/1007294135\_1646171712.95/0/error-prone-annotations-2-3-2-sources-



jar/com/google/errorprone/annotations/concurrent/LockMethod.java  
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## 1.356 slf4j 1.7.28

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# 1.361 protocol-buffers 3.10.0

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- \* VI syntax highlighting tweaks.
- \* Fix compiler to not make output executable.

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- \* Heuristic detection of sub-messages when printing unknown fields in text format.

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- \* Added @Override annotation to generated Java code where appropriate.

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- \* Tru64 support.

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- \* Solaris 10 + Sun Studio fixes.

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- \* Slicing support for repeated scalar fields for the Python API.

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- \* MS Visual Studio error format option.
- \* Detect unordered\_map in stl\_hash.m4.

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- \* gzip/zlib I/O support.

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- \* Fixed warnings about generated constructors not explicitly initializing all fields (only present with certain compiler settings).
- \* Added generation of field number constants.

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- \* Fixed initialization ordering problem in logging code.

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- \* Small patch improving performance of in Python serialization.

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- \* Emacs mode for Protocol Buffers (editors/protobuf-mode.el).

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- \* Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.

Alexander Melnikov <alm@sibmail.ru>

- \* HPUX support.

Oliver Jowett <oliver.jowett@gmail.com>

- \* Detect whether zlib is new enough in configure script.
- \* Fixes for Solaris 10 32/64-bit confusion.

Evan Jones <evanj@mit.edu>

- \* Optimize Java serialization code when writing a small message to a stream.
- \* Optimize Java serialization of strings so that UTF-8 encoding happens only once per string per serialization call.
- \* Clean up some Java warnings.

\* Fix bug with permanent callbacks that delete themselves when run.  
Michael Kucharski <m.kucharski@gmail.com>  
\* Added CodedInputStream.getTotalBytesRead().  
Kacper Kowalik <xarthisius.kk@gmail.com>  
\* Fixed m4/acx\_pthread.m4 problem for some Linux distributions.  
William Orr <will@worrbase.com>  
\* Fixed detection of sched\_yield on Solaris.  
\* Added atomicops for Solaris  
Andrew Paprocki <andrew@ishiboo.com>  
\* Fixed minor IBM xLC compiler build issues  
\* Added atomicops for AIX (POWER)  
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## 1.364 netty-transport-native-unix-common

### 4.1.39

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```
* /opt/ws_local/PERMITS_SQL/1008568057_1591377104.21/0/netty-transport-native-unix-common-4-1-39-final-
```

sources-jar/io/netty/channel/unix/IovArray.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568057\_1591377104.21/0/netty-transport-native-unix-common-4-1-39-final-  
sources-jar/io/netty/channel/unix/UnixChannelOption.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568057\_1591377104.21/0/netty-transport-native-unix-common-4-1-39-final-  
sources-jar/io/netty/channel/unix/package-info.java  
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\* /opt/ws\_local/PERMITS\_SQL/1008568057\_1591377104.21/0/netty-transport-native-unix-common-4-1-39-final-  
sources-jar/META-INF/maven/io.netty/netty-transport-native-unix-common/pom.xml  
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\* /opt/ws\_local/PERMITS\_SQL/1008568057\_1591377104.21/0/netty-transport-native-unix-common-4-1-39-final-  
sources-jar/io/netty/channel/unix/PreferredDirectByteBufferAllocator.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568057\_1591377104.21/0/netty-transport-native-unix-common-4-1-39-final-  
sources-jar/io/netty/channel/unix/Buffer.java

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* /opt/ws_local/PERMITS_SQL/1008568057_1591377104.21/0/netty-transport-native-unix-common-4-1-39-final-sources-jar/io/netty/channel/unix/UnixChannelUtil.java
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* /opt/ws_local/PERMITS_SQL/1008568057_1591377104.21/0/netty-transport-native-unix-common-4-1-39-final-sources-jar/io/netty/channel/unix/PeerCredentials.java
* /opt/ws_local/PERMITS_SQL/1008568057_1591377104.21/0/netty-transport-native-unix-common-4-1-39-final-sources-jar/io/netty/channel/unix/Limits.java
* /opt/ws_local/PERMITS_SQL/1008568057_1591377104.21/0/netty-transport-native-unix-common-4-1-39-final-sources-jar/io/netty/channel/unix/SocketWritableByteChannel.java
```

\* /opt/ws\_local/PERMITS\_SQL/1008568057\_1591377104.21/0/netty-transport-native-unix-common-4-1-39-final-sources-jar/io/netty/channel/unix/LimitsStaticallyReferencedJniMethods.java

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\* /opt/ws\_local/PERMITS\_SQL/1008568057\_1591377104.21/0/netty-transport-native-unix-common-4-1-39-final-sources-jar/io/netty/channel/unix/DomainSocketReadMode.java

\* /opt/ws\_local/PERMITS\_SQL/1008568057\_1591377104.21/0/netty-transport-native-unix-common-4-1-39-final-sources-jar/io/netty/channel/unix/UnixChannel.java

\* /opt/ws\_local/PERMITS\_SQL/1008568057\_1591377104.21/0/netty-transport-native-unix-common-4-1-39-final-sources-jar/io/netty/channel/unix/Socket.java

\* /opt/ws\_local/PERMITS\_SQL/1008568057\_1591377104.21/0/netty-transport-native-unix-common-4-1-39-final-sources-jar/io/netty/channel/unix/DomainSocketAddress.java

\* /opt/ws\_local/PERMITS\_SQL/1008568057\_1591377104.21/0/netty-transport-native-unix-common-4-1-39-final-sources-jar/io/netty/channel/unix/DatagramSocketAddress.java

\* /opt/ws\_local/PERMITS\_SQL/1008568057\_1591377104.21/0/netty-transport-native-unix-common-4-1-39-final-sources-jar/io/netty/channel/unix/NativeInetAddress.java

\* /opt/ws\_local/PERMITS\_SQL/1008568057\_1591377104.21/0/netty-transport-native-unix-common-4-1-39-final-sources-jar/io/netty/channel/unix/DomainSocketChannel.java

\* /opt/ws\_local/PERMITS\_SQL/1008568057\_1591377104.21/0/netty-transport-native-unix-common-4-1-39-final-sources-jar/io/netty/channel/unix/Errors.java

\* /opt/ws\_local/PERMITS\_SQL/1008568057\_1591377104.21/0/netty-transport-native-unix-common-4-1-39-final-sources-jar/io/netty/channel/unix/DomainSocketChannelConfig.java

\* /opt/ws\_local/PERMITS\_SQL/1008568057\_1591377104.21/0/netty-transport-native-unix-common-4-1-39-final-sources-jar/io/netty/channel/unix/ServerDomainSocketChannel.java

## 1.365 netty-codec-socks 4.1.39

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jar/io/netty/handler/codec/socksx/v5/Socks5AddressEncoder.java
* /opt/ws_local/PERMITS_SQL/1008568051_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-
jar/io/netty/handler/codec/socksx/SocksPortUnificationServerHandler.java
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jar/io/netty/handler/codec/socksx/v4/Socks4CommandStatus.java
* /opt/ws_local/PERMITS_SQL/1008568051_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-
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jar/io/netty/handler/codec/socksx/v5/DefaultSocks5PasswordAuthRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socks/UnknownSocksRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socksx/v5/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socks/SocksAuthResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socksx/v5/DefaultSocks5InitialResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socks/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socks/SocksCmdResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socksx/v4/DefaultSocks4CommandRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socks/SocksCommonUtils.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socksx/v4/Socks4CommandType.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socksx/v5/DefaultSocks5CommandRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socks/SocksCmdRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socks/SocksAuthResponseDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socks/SocksInitRequestDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socks/SocksAuthRequestDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socks/SocksCmdRequestDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socksx/v5/DefaultSocks5CommandResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socks/SocksInitRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socks/SocksMessage.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socksx/SocksMessage.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socksx/v5/Socks5InitialRequest.java  
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jar/io/netty/handler/codec/socksx/v4/DefaultSocks4CommandResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-

jar/io/netty/handler/codec/socksx/v5/Socks5CommandRequest.java  
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jar/io/netty/handler/codec/socks/SocksInitResponseDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socksx/v5/Socks5InitialResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socksx/v5/DefaultSocks5PasswordAuthResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socks/SocksInitResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socksx/v4/Socks4ServerDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socksx/v5/Socks5CommandResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socksx/v4/Socks4ClientDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socks/SocksCmdResponseDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socks/SocksAuthRequest.java  
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jar/io/netty/handler/codec/socks/SocksResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socksx/v5/DefaultSocks5InitialRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socksx/v4/Socks4CommandResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socks/SocksMessageEncoder.java  
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jar/io/netty/handler/codec/socksx/v4/Socks4CommandRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socks/UnknownSocksResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-  
jar/io/netty/handler/codec/socks/SocksRequest.java

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\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5AuthMethod.java

\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-jar/io/netty/handler/codec/socks/SocksAuthStatus.java

\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-jar/io/netty/handler/codec/socks/SocksProtocolVersion.java

\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandType.java

\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-jar/io/netty/handler/codec/socks/SocksSubnegotiationVersion.java

\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-jar/io/netty/handler/codec/socksx/SocksVersion.java

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\* /opt/ws\_local/PERMITS\_SQL/1008568051\_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-

```
jar/io/netty/handler/codec/socksx/package-info.java
* /opt/ws_local/PERMITS_SQL/1008568051_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-
jar/io/netty/handler/codec/socksx/v5/Socks5InitialResponseDecoder.java
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jar/io/netty/handler/codec/socksx/v5/Socks5ServerEncoder.java
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jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthRequestDecoder.java
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jar/io/netty/handler/codec/socksx/AbstractSocksMessage.java
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jar/io/netty/handler/codec/socksx/v5/Socks5InitialRequestDecoder.java
* /opt/ws_local/PERMITS_SQL/1008568051_1591898006.04/0/netty-codec-socks-4-1-39-final-sources-
jar/io/netty/handler/codec/socksx/v4/Socks4Message.java
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## 1.366 netty-transport-native-epoll 4.1.39

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*/
/**
* Set the {@code TCP_MD5SIG} option on the socket. See {@code linux/tcp.h} for more details.
* Keys can only be set on, not read to prevent a potential leak, as they are confidential.
* Allowing them being read would mean anyone with access to the channel could get them.
*/
```

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```
* /opt/ws_local/PERMITS_SQL/1008568050_1591897967.58/0/netty-transport-native-epoll-4-1-39-final-sources-
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\* /opt/ws\_local/PERMITS\_SQL/1008568050\_1591897967.58/0/netty-transport-native-epoll-4-1-39-final-sources-jar/io/netty/channel/epoll/LinuxSocket.java

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\* /opt/ws\_local/PERMITS\_SQL/1008568050\_1591897967.58/0/netty-transport-native-epoll-4-1-39-final-sources-jar/io/netty/channel/epoll/AbstractEpollStreamChannel.java  
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\* /opt/ws\_local/PERMITS\_SQL/1008568050\_1591897967.58/0/netty-transport-native-epoll-4-1-39-final-sources-jar/io/netty/channel/epoll/EpollChannelConfig.java  
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\* /opt/ws\_local/PERMITS\_SQL/1008568050\_1591897967.58/0/netty-transport-native-epoll-4-1-39-final-sources-jar/io/netty/channel/epoll/EpollMode.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568050\_1591897967.58/0/netty-transport-native-epoll-4-1-39-final-sources-jar/io/netty/channel/epoll/EpollEventArray.java

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jar/io/netty/channel/epoll/EpollChannelOption.java

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jar/io/netty/channel/epoll/EpollTcpInfo.java

\* /opt/ws\_local/PERMITS\_SQL/1008568050\_1591897967.58/0/netty-transport-native-epoll-4-1-39-final-sources-  
jar/io/netty/channel/epoll/AbstractEpollChannel.java

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jar/io/netty/channel/epoll/NativeDatagramPacketArray.java

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jar/io/netty/channel/epoll/EpollEventLoopGroup.java

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jar/io/netty/channel/epoll/EpollSocketChannel.java

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jar/io/netty/channel/epoll/EpollDatagramChannel.java

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jar/io/netty/channel/epoll/package-info.java

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jar/io/netty/channel/epoll/EpollServerSocketChannel.java

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jar/io/netty/channel/epoll/EpollEventLoop.java

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 */
/**
 * Set the {@code TCP_MD5SIG} option on the socket. See {@code linux/tcp.h} for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
 */
/**
 * Set the {@code TCP_QUICKACK} option on the socket. See <a
 href="http://linux.die.net/man/7/tcp">TCP_QUICKACK</a>
 * for more details.
 */
```

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`/opt/ws_local/PERMITS_SQL/1008568050_1591897967.58/0/netty-transport-native-epoll-4-1-39-final-sources-jar/io/netty/channel/epoll/EpollSocketChannelConfig.java`

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## 1.367 netty-handler-proxy 4.1.39

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## 1.368 netty-codec-http 4.1.39

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- \* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/spdy/SpdyVersion.java
- \* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/spdy/SpdySynReplyFrame.java
- \* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyHeadersFrame.java
- \* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketClientProtocolHandler.java
- \* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockJZlibEncoder.java
- \* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketClientProtocolHandshakeHandler.java
- \* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketFrameEncoder.java
- \* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/http/FullHttpRequest.java
- \* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyGoAwayFrame.java
- \* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/spdy/SpdySessionHandler.java
- \* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdySynStreamFrame.java
- \* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketProtocolHandler.java
- \* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockEncoder.java
- \* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockZlibEncoder.java
- \* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/spdy/SpdyDataFrame.java
- \* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyHeaders.java
- \* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/http/FullHttpResponse.java
- \* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyWindowUpdateFrame.java
- \* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeaders.java
- \* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/spdy/SpdySessionStatus.java
- \* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyRstStreamFrame.java



\* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/spdy/SpdySettingsFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyStreamFrame.java  
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\* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/spdy/SpdyGoAwayFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/http/DefaultFullHttpRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/spdy/SpdyFrame.java  
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\* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/spdy/SpdyCodecUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeadersFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketFrameAggregator.java  
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\* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/spdy/SpdyStreamStatus.java  
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\* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/spdy/SpdySynStreamFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1008568059\_1591376589.35/0/netty-codec-http-4-1-39-final-sources-jar/io/netty/handler/codec/spdy/SpdyStreamFrame.java

# 1.369 hamcrest 1.3

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## 1.370 spring-aop 5.1.10

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- \* /opt/ws\_local/PERMITS\_SQL/1009459519\_1591384432.16/0/spring-aop-5-1-10-release-sources-jar/org/springframework/aop/interceptor/ExposeBeanNameAdvisors.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459519\_1591384432.16/0/spring-aop-5-1-10-release-sources-jar/org/springframework/aop/aspectj/annotation/ReflectiveAspectJAdvisorFactory.java
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- \* /opt/ws\_local/PERMITS\_SQL/1009459519\_1591384432.16/0/spring-aop-5-1-10-release-sources-jar/org/springframework/aop/target/AbstractBeanFactoryBasedTargetSource.java
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jar/org/springframework/aop/config/AopNamespaceHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459519\_1591384432.16/0/spring-aop-5-1-10-release-sources-



jar/org/springframework/aop/config/ScopedProxyBeanDefinitionDecorator.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459519\_1591384432.16/0/spring-aop-5-1-10-release-sources-  
jar/org/springframework/aop/framework/AopProxy.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459519\_1591384432.16/0/spring-aop-5-1-10-release-sources-  
jar/org/springframework/aop/target/LazyInitTargetSource.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459519\_1591384432.16/0/spring-aop-5-1-10-release-sources-  
jar/org/springframework/aop/AopInvocationException.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459519\_1591384432.16/0/spring-aop-5-1-10-release-sources-  
jar/org/springframework/aop/support/StaticMethodMatcherPointcut.java  
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\* /opt/ws\_local/PERMITS\_SQL/1009459519\_1591384432.16/0/spring-aop-5-1-10-release-sources-  
jar/org/springframework/aop/AfterAdvice.java  
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jar/org/springframework/aop/framework/AdvisedSupportListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459519\_1591384432.16/0/spring-aop-5-1-10-release-sources-  
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jar/org/springframework/aop/framework/AopInfrastructureBean.java  
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\* /opt/ws\_local/PERMITS\_SQL/1009459519\_1591384432.16/0/spring-aop-5-1-10-release-sources-  
jar/org/springframework/aop/IntroductionInterceptor.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459519\_1591384432.16/0/spring-aop-5-1-10-release-sources-  
jar/org/springframework/aop/framework/InterceptorAndDynamicMethodMatcher.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459519\_1591384432.16/0/spring-aop-5-1-10-release-sources-  
jar/org/springframework/aop/config/AspectEntry.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459519\_1591384432.16/0/spring-aop-5-1-10-release-sources-  
jar/org/springframework/aop/BeforeAdvice.java  
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jar/org/springframework/aop/aspectj/annotation/AspectMetadata.java
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jar/org/aopalliance/aop/Advice.java
* /opt/ws_local/PERMITS_SQL/1009459519_1591384432.16/0/spring-aop-5-1-10-release-sources-
jar/org/springframework/aop/framework/autoproxy/TargetSourceCreator.java
* /opt/ws_local/PERMITS_SQL/1009459519_1591384432.16/0/spring-aop-5-1-10-release-sources-
jar/org/aopalliance/intercept/Joinpoint.java
* /opt/ws_local/PERMITS_SQL/1009459519_1591384432.16/0/spring-aop-5-1-10-release-sources-
jar/org/aopalliance/intercept/MethodInvocation.java
* /opt/ws_local/PERMITS_SQL/1009459519_1591384432.16/0/spring-aop-5-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1009459519_1591384432.16/0/spring-aop-5-1-10-release-sources-
jar/org/aopalliance/intercept/Invocation.java
* /opt/ws_local/PERMITS_SQL/1009459519_1591384432.16/0/spring-aop-5-1-10-release-sources-
jar/org/springframework/aop/config/AspectJAutoProxyBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1009459519_1591384432.16/0/spring-aop-5-1-10-release-sources-
jar/org/springframework/aop/aspectj/annotation/SimpleMetadataAwareAspectInstanceFactory.java
* /opt/ws_local/PERMITS_SQL/1009459519_1591384432.16/0/spring-aop-5-1-10-release-sources-
jar/org/springframework/aop/target/ThreadLocalTargetSource.java
* /opt/ws_local/PERMITS_SQL/1009459519_1591384432.16/0/spring-aop-5-1-10-release-sources-
jar/org/springframework/aop/aspectj/annotation/MetadataAwareAspectInstanceFactory.java
* /opt/ws_local/PERMITS_SQL/1009459519_1591384432.16/0/spring-aop-5-1-10-release-sources-
jar/org/springframework/aop/interceptor/AsyncUncaughtExceptionHandler.java
* /opt/ws_local/PERMITS_SQL/1009459519_1591384432.16/0/spring-aop-5-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1009459519_1591384432.16/0/spring-aop-5-1-10-release-sources-
jar/org/springframework/aop/framework/ProxyFactory.java
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* /opt/ws_local/PERMITS_SQL/1009459519_1591384432.16/0/spring-aop-5-1-10-release-sources-
jar/org/springframework/aop/support/AbstractExpressionPointcut.java
* /opt/ws_local/PERMITS_SQL/1009459519_1591384432.16/0/spring-aop-5-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1009459519_1591384432.16/0/spring-aop-5-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1009459519_1591384432.16/0/spring-aop-5-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1009459519_1591384432.16/0/spring-aop-5-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1009459519_1591384432.16/0/spring-aop-5-1-10-release-sources-
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\* /opt/ws\_local/PERMITS\_SQL/1009459519\_1591384432.16/0/spring-aop-5-1-10-release-sources-  
jar/org/springframework/aop/config/MethodLocatingFactoryBean.java  
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\* /opt/ws\_local/PERMITS\_SQL/1009459519\_1591384432.16/0/spring-aop-5-1-10-release-sources-  
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jar/org/springframework/aop/aspectj/AspectJExpressionPointcutAdvisor.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459519\_1591384432.16/0/spring-aop-5-1-10-release-sources-  
jar/org/springframework/aop/config/AspectComponentDefinition.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459519\_1591384432.16/0/spring-aop-5-1-10-release-sources-  
jar/org/springframework/aop/aspectj/annotation/AnnotationAwareAspectJAutoProxyCreator.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459519\_1591384432.16/0/spring-aop-5-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1009459519\_1591384432.16/0/spring-aop-5-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1009459519\_1591384432.16/0/spring-aop-5-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1009459519\_1591384432.16/0/spring-aop-5-1-10-release-sources-  
jar/org/springframework/aop/support/AbstractBeanFactoryPointcutAdvisor.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459519\_1591384432.16/0/spring-aop-5-1-10-release-sources-  
jar/org/springframework/aop/support/DefaultBeanFactoryPointcutAdvisor.java

## 1.371 spring-beans 5.1.10

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- \* /opt/ws\_local/PERMITS\_SQL/1009459525\_1591384434.94/0/spring-beans-5-1-10-release-sources-jar/org/springframework/beans/factory/parsing/BeanDefinitionParsingException.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459525\_1591384434.94/0/spring-beans-5-1-10-release-sources-jar/org/springframework/beans/factory/parsing/ConstructorArgumentEntry.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459525\_1591384434.94/0/spring-beans-5-1-10-release-sources-jar/org/springframework/beans/factory/parsing/NullSourceExtractor.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459525\_1591384434.94/0/spring-beans-5-1-10-release-sources-jar/org/springframework/beans/propertyeditors/CharsetEditor.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459525\_1591384434.94/0/spring-beans-5-1-10-release-sources-jar/org/springframework/beans/BeanMetadataElement.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459525\_1591384434.94/0/spring-beans-5-1-10-release-sources-jar/org/springframework/beans/PropertyEditorRegistrar.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459525\_1591384434.94/0/spring-beans-5-1-10-release-sources-jar/org/springframework/beans/factory/BeanFactoryAware.java
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- \* /opt/ws\_local/PERMITS\_SQL/1009459525\_1591384434.94/0/spring-beans-5-1-10-release-sources-jar/org/springframework/beans/factory/config/PropertyResourceConfigurer.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459525\_1591384434.94/0/spring-beans-5-1-10-release-sources-jar/org/springframework/beans/factory/FactoryBeanNotInitializedException.java
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jar/org/springframework/beans/factory/wiring/ClassNameBeanWiringInfoResolver.java  
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jar/org/springframework/beans/factory/HierarchicalBeanFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459525\_1591384434.94/0/spring-beans-5-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1009459525\_1591384434.94/0/spring-beans-5-1-10-release-sources-  
jar/org/springframework/beans/factory/BeanIsAbstractException.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459525\_1591384434.94/0/spring-beans-5-1-10-release-sources-  
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jar/org/springframework/beans/ConversionNotSupportedException.java  
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jar/org/springframework/beans/factory/config/BeanReference.java

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- \* /opt/ws\_local/PERMITS\_SQL/1009459525\_1591384434.94/0/spring-beans-5-1-10-release-sources-jar/org/springframework/beans/Mergeable.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459525\_1591384434.94/0/spring-beans-5-1-10-release-sources-jar/org/springframework/beans/factory/config/CustomEditorConfigurer.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459525\_1591384434.94/0/spring-beans-5-1-10-release-sources-jar/org/springframework/beans/propertyeditors/CustomBooleanEditor.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459525\_1591384434.94/0/spring-beans-5-1-10-release-sources-jar/org/springframework/beans/PropertyBatchUpdateException.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459525\_1591384434.94/0/spring-beans-5-1-10-release-sources-jar/org/springframework/beans/factory/config/PreferencesPlaceholderConfigurer.java
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- \* /opt/ws\_local/PERMITS\_SQL/1009459525\_1591384434.94/0/spring-beans-5-1-10-release-sources-jar/org/springframework/beans/factory/xml/UtilNamespaceHandler.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459525\_1591384434.94/0/spring-beans-5-1-10-release-sources-jar/org/springframework/beans/propertyeditors/InputStreamEditor.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459525\_1591384434.94/0/spring-beans-5-1-10-release-sources-jar/org/springframework/beans/factory/xml/NamespaceHandlerResolver.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459525\_1591384434.94/0/spring-beans-5-1-10-release-sources-jar/org/springframework/beans/support/ResourceEditorRegistrar.java

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* /opt/ws_local/PERMITS_SQL/1009459525_1591384434.94/0/spring-beans-5-1-10-release-sources-
jar/org/springframework/beans/NullValueInNestedPathException.java
* /opt/ws_local/PERMITS_SQL/1009459525_1591384434.94/0/spring-beans-5-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1009459525_1591384434.94/0/spring-beans-5-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1009459525_1591384434.94/0/spring-beans-5-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1009459525_1591384434.94/0/spring-beans-5-1-10-release-sources-
jar/org/springframework/beans/factory/config/BeanFactoryPostProcessor.java
* /opt/ws_local/PERMITS_SQL/1009459525_1591384434.94/0/spring-beans-5-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1009459525_1591384434.94/0/spring-beans-5-1-10-release-sources-
jar/org/springframework/beans/propertyeditors/ZoneIdEditor.java
* /opt/ws_local/PERMITS_SQL/1009459525_1591384434.94/0/spring-beans-5-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1009459525_1591384434.94/0/spring-beans-5-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1009459525_1591384434.94/0/spring-beans-5-1-10-release-sources-
jar/org/springframework/beans/propertyeditors/ReaderEditor.java
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* /opt/ws_local/PERMITS_SQL/1009459525_1591384434.94/0/spring-beans-5-1-10-release-sources-
jar/org/springframework/beans/factory/annotation/Autowire.java
```

## 1.372 spring-web-mvc 5.1.10

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* /opt/ws_local/PERMITS_SQL/1009459522_1591897536.49/0/spring-webmvc-5-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1009459522_1591897536.49/0/spring-webmvc-5-1-10-release-sources-
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* /opt/ws_local/PERMITS_SQL/1009459522_1591897536.49/0/spring-webmvc-5-1-10-release-sources-
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- \* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/tags/form/OptionTag.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/config/ViewResolversBeanDefinitionParser.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/tags/TransformTag.java
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- \* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/view/script/RenderingContext.java
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- \* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/tags/form/LabelTag.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/mvc/annotation/ResponseStatusExceptionHandlerResolver.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/resource/ContentVersionStrategy.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/config/annotation/ResourceHandlerRegistry.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/mvc/condition/HeadersRequestCondition.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/view/script/ScriptTemplateConfig.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/config/annotation/WebMvcConfigurer.java
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- \* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/tags/ArgumentTag.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/resource/DefaultResourceResolverChain.java
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- \* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/view/freemarker/FreeMarkerConfigurer.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/view/AbstractCachingViewResolver.java
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- \* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/tags/RequestContextAwareTag.java
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- \* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-

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\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/mvc/ServletForwardingController.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/i18n/AbstractLocaleContextResolver.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/handler/SimpleServletPostProcessor.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/resource/AppCacheManifestTransformer.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/ServletWebArgumentResolverAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/resource/AbstractResourceResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/handler/AbstractHandlerMethodExceptionHandlerResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/view/tiles3/TilesView.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/PathVariableMapMethodArgumentResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/view/xslt/XsltViewResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/ModelAndViewResolverMethodReturnValueHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/view/tiles3/TilesConfigurer.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/JsonViewRequestBodyAdvice.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/view/JstlView.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/LocaleResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/support/JspAwareRequestContext.java  
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\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/view/freemarker/FreeMarkerViewResolver.java



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* /opt/ws_local/PERMITS_SQL/1009459522_1591897536.49/0/spring-webmvc-5-1-10-release-sources-
jar/org/springframework/web/servlet/tags/form/HiddenInputTag.java
* /opt/ws_local/PERMITS_SQL/1009459522_1591897536.49/0/spring-webmvc-5-1-10-release-sources-
jar/org/springframework/web/servlet/theme/ThemeChangeInterceptor.java
* /opt/ws_local/PERMITS_SQL/1009459522_1591897536.49/0/spring-webmvc-5-1-10-release-sources-
jar/org/springframework/web/servlet/i18n/AbstractLocaleResolver.java
```

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 */
```

```
/**
 * XSLT-driven View that allows for response context to be rendered as the
 * result of an XSLT transformation.
 *
 * <p>The XSLT Source object is supplied as a parameter in the model and then
 * {@link #locateSource} detected} during response rendering. Users can either specify
```

\* a specific entry in the model via the { @link #setSourceKey sourceKey } property or  
\* have Spring locate the Source object. This class also provides basic conversion  
\* of objects into Source implementations. See { @link #getSourceTypes() here }  
\* for more details.  
\*  
\* <p>All model parameters are passed to the XSLT Transformer as parameters.  
\* In addition the user can configure { @link #setOutputProperties output properties }  
\* to be passed to the Transformer.  
\*  
\* @author Rob Harrop  
\* @author Juergen Hoeller  
\* @since 2.0  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/view/xslt/XsltView.java

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\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/tags/form/PasswordInputTag.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/support/SessionFlashMapManager.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/config/annotation/UrlBasedViewResolverRegistration.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/FlashMapManager.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/AbstractMappingJacksonResponseBodyAdvice.java

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*/opt/ws_local/PERMITS_SQL/1009459522_1591897536.49/0/spring-webmvc-5-1-10-release-sources-
jar/org/springframework/web/servlet/handler/DispatcherServletWebRequest.java
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*/opt/ws_local/PERMITS_SQL/1009459522_1591897536.49/0/spring-webmvc-5-1-10-release-sources-
jar/org/springframework/web/servlet/resource/ResourceUrlEncodingFilter.java
```

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*/opt/ws_local/PERMITS_SQL/1009459522_1591897536.49/0/spring-webmvc-5-1-10-release-sources-
jar/org/springframework/web/servlet/resource/ResourceUrlProviderExposingInterceptor.java
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*/opt/ws_local/PERMITS_SQL/1009459522_1591897536.49/0/spring-webmvc-5-1-10-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/ExceptionHandlerExceptionResolver.java
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*/opt/ws_local/PERMITS_SQL/1009459522_1591897536.49/0/spring-webmvc-5-1-10-release-sources-
jar/org/springframework/web/servlet/mvc/method/annotation/SseEmitter.java
```

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*/opt/ws_local/PERMITS_SQL/1009459522_1591897536.49/0/spring-webmvc-5-1-10-release-sources-
jar/org/springframework/web/servlet/resource/ResourceHttpRequestHandler.java
```

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/i18n/CookieLocaleResolver.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/SessionAttributeMethodArgumentResolver.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/ResponseBodyEmitterReturnValueHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/support/AbstractFlashMapManager.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/handler/AbstractUrlHandlerMapping.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/RequestMappingHandlerAdapter.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/mvc/method/RequestMappingInfoHandlerMethodMappingNamingStrategy.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/view/RedirectView.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/ViewMethodReturnValueHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/HttpEntityMethodProcessor.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/mvc/condition/ConsumesRequestCondition.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/resource/EncodedResourceResolver.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/StreamingResponseBodyReturnValueHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/mvc/ServletWrappingController.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/resource/WebJarsResourceResolver.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/resource/CachingResourceTransformer.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/resource/PathResourceResolver.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/mvc/condition/AbstractRequestCondition.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/config/annotation/InterceptorRegistration.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/ServletInvocableHandlerMethod.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/mvc/condition/PatternsRequestCondition.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/config/MvcNamespaceUtils.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-jar/org/springframework/web/servlet/mvc/method/annotation/DeferredResultMethodReturnValueHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-

jar/org/springframework/web/servlet/mvc/method/annotation/PathVariableMethodArgumentResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/mvc/method/annotation/AbstractMessageConverterMethodProcessor.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/mvc/method/RequestMappingInfo.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/mvc/condition/ProducesRequestCondition.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/mvc/method/annotation/MvcUriComponentsBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/i18n/LocaleChangeInterceptor.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/handler/AbstractHandlerExceptionResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/handler/AbstractHandlerMapping.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/resource/VersionResourceResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/support/ServletUriComponentsBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/handler/HandlerExceptionResolverComposite.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/mvc/method/annotation/ResponseEntityExceptionHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/handler/AbstractHandlerMethodMapping.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/DispatcherServlet.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/mvc/method/annotation/ViewNameMethodReturnValueHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/config/AnnotationDrivenBeanDefinitionParser.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/mvc/method/annotation/ReactiveTypeHandler.java  
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*/
/**
* A contract for inspecting and potentially modifying request data values such
* as URL query parameters or form field values before they are rendered by a
* view or before a redirect.
*
* <p>Implementations may use this contract for example as part of a solution
* to provide data integrity, confidentiality, protection against cross-site
* request forgery (CSRF), and others or for other tasks such as automatically
* adding a hidden field to all forms and URLs.
*
* <p>View technologies that support this contract can obtain an instance to
* delegate to via { @link RequestContext#getRequestDataValueProcessor()}.
*
* @author Rossen Stoyanchev
* @since 3.1
*/

```

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* /opt/ws_local/PERMITS_SQL/1009459522_1591897536.49/0/spring-webmvc-5-1-10-release-sources-
jar/org/springframework/web/servlet/support/RequestDataValueProcessor.java

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jar/org/springframework/web/servlet/mvc/annotation/ModelAndViewResolver.java
* /opt/ws_local/PERMITS_SQL/1009459522_1591897536.49/0/spring-webmvc-5-1-10-release-sources-
jar/org/springframework/web/servlet/NoHandlerFoundException.java
* /opt/ws_local/PERMITS_SQL/1009459522_1591897536.49/0/spring-webmvc-5-1-10-release-sources-
jar/org/springframework/web/servlet/tags/HtmlEscapingAwareTag.java
* /opt/ws_local/PERMITS_SQL/1009459522_1591897536.49/0/spring-webmvc-5-1-10-release-sources-

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jar/org/springframework/web/servlet/view/groovy/GroovyMarkupViewResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/view/groovy/GroovyMarkupConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/view/document/AbstractXlsxStreamingView.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/tags/ArgumentAware.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/resource/VersionPathStrategy.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/view/document/AbstractXlsxView.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/resource/VersionStrategy.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/mvc/method/annotation/RequestBodyAdviceAdapter.java  
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\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/config/MvcNamespaceHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/view/AbstractTemplateView.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/mvc/method/annotation/StreamingResponseBody.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/config/DefaultServletHandlerBeanDefinitionParser.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/view/ViewResolverComposite.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/resource/ResourceTransformer.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459522\_1591897536.49/0/spring-webmvc-5-1-10-release-sources-  
jar/org/springframework/web/servlet/config/annotation/WebMvcConfigurerAdapter.java

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* /opt/ws_local/PERMITS_SQL/1009459522_1591897536.49/0/spring-webmvc-5-1-10-release-sources-
jar/org/springframework/web/servlet/handler/BeanNameUrlHandlerMapping.java
* /opt/ws_local/PERMITS_SQL/1009459522_1591897536.49/0/spring-webmvc-5-1-10-release-sources-
jar/org/springframework/web/servlet/config/InterceptorsBeanDefinitionParser.java
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jar/org/springframework/web/servlet/handler/RequestMatchResult.java
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jar/org/springframework/web/servlet/view/tiles3/SpringLocaleResolver.java
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jar/org/springframework/web/servlet/theme/AbstractThemeResolver.java
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## 1.373 spring-context 5.1.10



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\* /opt/ws\_local/PERMITS\_SQL/1009459516\_1591384688.76/0/spring-context-5-1-10-release-sources-jar/org/springframework/context/TimeZoneAwareLocaleContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459516\_1591384688.76/0/spring-context-5-1-10-release-sources-jar/org/springframework/context/annotation/Description.java  
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\* /opt/ws\_local/PERMITS\_SQL/1009459516\_1591384688.76/0/spring-context-5-1-10-release-sources-jar/org/springframework/jmx/export/notification/NotificationPublisherAware.java

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- \* /opt/ws\_local/PERMITS\_SQL/1009459516\_1591384688.76/0/spring-context-5-1-10-release-sources-jar/org/springframework/validation/beanvalidation/MessageSourceResourceBundleLocator.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459516\_1591384688.76/0/spring-context-5-1-10-release-sources-jar/org/springframework/format/AnnotationFormatterFactory.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459516\_1591384688.76/0/spring-context-5-1-10-release-sources-jar/org/springframework/validation/annotation/Validated.java
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- \* /opt/ws\_local/PERMITS\_SQL/1009459516\_1591384688.76/0/spring-context-5-1-10-release-sources-jar/org/springframework/context/ApplicationContext.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459516\_1591384688.76/0/spring-context-5-1-10-release-sources-jar/org/springframework/scheduling/config/ContextLifecycleScheduledTaskRegistrar.java

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\* /opt/ws\_local/PERMITS\_SQL/1009459516\_1591384688.76/0/spring-context-5-1-10-release-sources-jar/org/springframework/context/config/SpringConfiguredBeanDefinitionParser.java

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\* /opt/ws\_local/PERMITS\_SQL/1009459516\_1591384688.76/0/spring-context-5-1-10-release-sources-jar/org/springframework/ui/context/support/UiApplicationContextUtils.java  
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/\*\*

\* Abstract the invocation of a cache operation.

\*

\* <p>Does not provide a way to transmit checked exceptions but

\* provide a special exception that should be used to wrap any

\* exception that was thrown by the underlying invocation.

\* Callers are expected to handle this issue type specifically.

\*  
\* @author Stephane Nicoll  
\* @since 4.1  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1009459516\_1591384688.76/0/spring-context-5-1-10-release-sources-jar/org/springframework/cache/interceptor/CacheOperationInvoker.java

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/\*\*

- \* {@link FactoryBean} that obtains a WebSphere {@link javax.management.MBeanServer}

- \* reference through WebSphere's proprietary {@code AdminServiceFactory} API,

- \* available on WebSphere 5.1 and higher.

\*

- \* <p>Exposes the {@code MBeanServer} for bean references.

- \* This FactoryBean is a direct alternative to {@link MBeanServerFactoryBean},

- \* which uses standard JMX 1.2 API to access the platform's MBeanServer.

\*

- \* <p>See the javadocs for WebSphere's

- \* <a href="https://bit.ly/UzccDt">{@code AdminServiceFactory}</a>

- \* and <a href="https://bit.ly/TRIX2r">{@code MBeanFactory}</a>.

\*

- \* @author Juergen Hoeller

- \* @author Rob Harrop

- \* @since 2.0.3

\* @see javax.management.MBeanServer  
\* @see MBeanServerFactoryBean  
\*/

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*/
/**
* Indicates that a component is only eligible for registration when all
* { @linkplain #value specified conditions } match.
*
* <p>A <em>condition</em> is any state that can be determined programmatically
* before the bean definition is due to be registered (see { @link Condition } for details).
*
* <p>The { @code @Conditional } annotation may be used in any of the following ways:
* <ul>
* <li>as a type-level annotation on any class directly or indirectly annotated with
* { @code @Component }, including { @link Configuration @Configuration } classes</li>
* <li>as a meta-annotation, for the purpose of composing custom stereotype
* annotations</li>
* <li>as a method-level annotation on any { @link Bean @Bean } method</li>
* </ul>
*
* <p>If a { @code @Configuration } class is marked with { @code @Conditional },
* all of the { @code @Bean } methods, { @link Import @Import } annotations, and
* { @link ComponentScan @ComponentScan } annotations associated with that
* class will be subject to the conditions.
*
* <p><strong>NOTE</strong>: Inheritance of { @code @Conditional } annotations
* is not supported; any conditions from superclasses or from overridden
* methods will not be considered. In order to enforce these semantics,
* { @code @Conditional } itself is not declared as
* { @link java.lang.annotation.Inherited @Inherited }; furthermore, any
* custom <em>composed annotation</em> that is meta-annotated with
* { @code @Conditional } must not be declared as { @code @Inherited }.
*
* @author Phillip Webb
* @author Sam Brannen
* @since 4.0
* @see Condition
*/

```

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* /opt/ws_local/PERMITS_SQL/1009459516_1591384688.76/0/spring-context-5-1-10-release-sources-
jar/org/springframework/context/annotation/Conditional.java

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## 1.374 spring-expression 5.1.10

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\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/standard/Token.java

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\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/ast/OpGE.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/ast/IntLiteral.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/ast/FormatHelper.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/support/ReflectiveMethodResolver.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/ast/OperatorNot.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/support/BooleanTypedValue.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/support/StandardEvaluationContext.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/CodeFlow.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/ast/OpGT.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/ast/Assign.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/common/CompositeStringExpression.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/EvaluationContext.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/ExpressionState.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/ast/InlineList.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/ast/OpModulus.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/ast/OpLE.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/ast/OpAnd.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/support/SimpleEvaluationContext.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/SpelNode.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/ast/TypeReference.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/ast/NullLiteral.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/TypedValue.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/common/TemplateAwareExpressionParser.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/support/DataBindingMethodResolver.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/ast/OpEQ.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/ast/SpelNodeImpl.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/ast/OpMultiply.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/SpelEvaluationException.java

\* /opt/ws\_local/PERMITS\_SQL/1009459531\_1591384738.74/0/spring-expression-5-1-10-release-sources-jar/org/springframework/expression/spel/support/StandardTypeConverter.java

```
* /opt/ws_local/PERMITS_SQL/1009459531_1591384738.74/0/spring-expression-5-1-10-release-sources-
jar/org/springframework/expression/spel/ast/PropertyOrFieldReference.java
* /opt/ws_local/PERMITS_SQL/1009459531_1591384738.74/0/spring-expression-5-1-10-release-sources-
jar/org/springframework/expression/spel/support/ReflectiveMethodExecutor.java
* /opt/ws_local/PERMITS_SQL/1009459531_1591384738.74/0/spring-expression-5-1-10-release-sources-
jar/org/springframework/expression/spel/support/StandardOperatorOverloader.java
* /opt/ws_local/PERMITS_SQL/1009459531_1591384738.74/0/spring-expression-5-1-10-release-sources-
jar/org/springframework/expression/spel/standard/Tokenizer.java
```

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Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1009459531_1591384738.74/0/spring-expression-5-1-10-release-sources-
jar/org/springframework/expression/common/TemplateParserContext.java
```

```
* /opt/ws_local/PERMITS_SQL/1009459531_1591384738.74/0/spring-expression-5-1-10-release-sources-
jar/org/springframework/expression/ConstructorExecutor.java
```

```
* /opt/ws_local/PERMITS_SQL/1009459531_1591384738.74/0/spring-expression-5-1-10-release-sources-
jar/org/springframework/expression/ExpressionInvocationTargetException.java
```

```
* /opt/ws_local/PERMITS_SQL/1009459531_1591384738.74/0/spring-expression-5-1-10-release-sources-
jar/org/springframework/expression/MethodExecutor.java
```

```
* /opt/ws_local/PERMITS_SQL/1009459531_1591384738.74/0/spring-expression-5-1-10-release-sources-
jar/org/springframework/expression/MethodResolver.java
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## 1.375 spring-web 5.1.10

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- \* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/util/WebAppRootListener.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/bind/annotation/ModelAttribute.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/context/request/RequestScope.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/context/request/async/TimeoutDeferredResultProcessingInterceptor.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/client/HttpStatusCodeException.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/bind/annotation/PostMapping.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/method/annotation/RequestHeaderMapMethodArgumentResolver.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/http/converter/json/SpringHandlerInstantiator.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/filter/CompositeFilter.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/cors/reactive/CorsConfigurationSource.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/context/annotation/ApplicationScope.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/http/client/ClientHttpRequestFactory.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/bind/annotation/RequestAttribute.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/filter/CorsFilter.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/context/request/FacesWebRequest.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/bind/annotation/PutMapping.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/bind/annotation/DeleteMapping.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-

jar/org/springframework/web/server/WebExceptionHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-  
jar/org/springframework/http/ReactiveHttpInputMessage.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-  
jar/org/springframework/web/multipart/support/MissingServletRequestPartException.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-  
jar/org/springframework/web/bind/support/WebBindingInitializer.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-  
jar/org/springframework/web/bind/annotation/PatchMapping.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-  
jar/org/springframework/web/bind/annotation/SessionAttribute.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-  
jar/org/springframework/web/server/session/WebSessionIdResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-  
jar/org/springframework/web/context/support/ServletContextResourcePatternResolver.java  
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jar/org/springframework/web/context/request/RequestContextHolder.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-  
jar/org/springframework/remoting/httpinvoker/HttpInvokerRequestExecutor.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-  
jar/org/springframework/web/context/request/async/AsyncRequestTimeoutException.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-  
jar/org/springframework/web/context/request/SessionScope.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-  
jar/org/springframework/web/context/support/ServletContextLiveBeansView.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-  
jar/org/springframework/web/server/MediaTypeNotSupportedStatusException.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-  
jar/org/springframework/http/client/ClientHttpRequestExecution.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-  
jar/org/springframework/web/context/annotation/SessionScope.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-  
jar/org/springframework/web/HttpRequestHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-  
jar/org/springframework/web/accept/MediaTypeFileExtensionResolver.java  
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jar/org/springframework/web/server/session/WebSessionManager.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-  
jar/org/springframework/http/ReactiveHttpOutputMessage.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-  
jar/org/springframework/web/context/request/WebRequestInterceptor.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-

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jar/org/springframework/web/bind/annotation/GetMapping.java
* /opt/ws_local/PERMITS_SQL/1009459528_1591385450.28/0/spring-web-5-1-10-release-sources-
jar/org/springframework/web/context/WebApplicationContext.java
* /opt/ws_local/PERMITS_SQL/1009459528_1591385450.28/0/spring-web-5-1-10-release-sources-
jar/org/springframework/web/cors/CorsConfigurationSource.java
* /opt/ws_local/PERMITS_SQL/1009459528_1591385450.28/0/spring-web-5-1-10-release-sources-
jar/org/springframework/web/bind/annotation/CookieValue.java
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```
# This file maps Internet media types to unique file extension(s).
# Although created for httpd, this file is used by many software systems
# and has been placed in the public domain for unlimited redistribution.
#
# The table below contains both registered and (common) unregistered types.
# A type that has no unique extension can be ignored -- they are listed
# here to guide configurations toward known types and to make it easier to
# identify "new" types. File extensions are also commonly used to indicate
# content languages and encodings, so choose them carefully.
#
# Internet media types should be registered as described in RFC 4288.
# The registry is at <https://www.iana.org/assignments/media-types/>.
#
# This file was retrieved from
https://svn.apache.org/viewvc/httpd/httpd/trunk/docs/conf/mime.types?revision=1752884&view=co
#
# MIME type (lowercased) Extensions
# =====
# application/1d-interleaved-parityfec
# application/3gpdash-qoe-report+xml
# application/3gpp-ims+xml
# application/a2l
# application/activemessage
# application/alto-costmap+json
# application/alto-costmapfilter+json
# application/alto-directory+json
# application/alto-endpointcost+json
# application/alto-endpointcostparams+json
# application/alto-endpointprop+json
# application/alto-endpointpropparams+json
# application/alto-error+json
# application/alto-networkmap+json
# application/alto-networkmapfilter+json
# application/aml
application/andrew-inset ez
# application/applefile
application/applixware aw
# application/atf
# application/atfx
```

application/atom+xml atom  
application/atomcat+xml atomcat  
# application/atomdeleted+xml  
# application/atomicmail  
application/atomsvc+xml atomsvc  
# application/atxml  
# application/auth-policy+xml  
# application/bacnet-xdd+zip  
# application/batch-smtp  
# application/beep+xml  
# application/calendar+json  
# application/calendar+xml  
# application/call-completion  
# application/cals-1840  
# application/cbor  
# application/ccmp+xml  
application/ccxml+xml ccxml  
# application/cdfx+xml  
application/cdmi-capability cdmia  
application/cdmi-container cdmic  
application/cdmi-domain cdmid  
application/cdmi-object cdmio  
application/cdmi-queue cdmiq  
# application/cdni  
# application/cea  
# application/cea-2018+xml  
# application/cellml+xml  
# application/cfw  
# application/cms  
# application/cnrx+xml  
# application/coap-group+json  
# application/commonground  
# application/conference-info+xml  
# application/cpl+xml  
# application/csrattrs  
# application/csta+xml  
# application/cstadata+xml  
# application/csvm+json  
application/cu-seeme cu  
# application/cybercash  
# application/dash+xml  
# application/dashdelta  
application/davmount+xml davmount  
# application/dca-rft  
# application/dcd  
# application/dec-dx  
# application/dialog-info+xml  
# application/dicom

# application/dii  
# application/dit  
# application/dns  
application/docbook+xml dbk  
# application/dskpp+xml  
application/dssc+der dssc  
application/dssc+xml xdssc  
# application/dvcs  
application/ecmascript ecma  
# application/edi-consent  
# application/edi-x12  
# application/edifact  
# application/efi  
# application/emergencycalldata.comment+xml  
# application/emergencycalldata.deviceinfo+xml  
# application/emergencycalldata.providerinfo+xml  
# application/emergencycalldata.serviceinfo+xml  
# application/emergencycalldata.subscriberinfo+xml  
application/emma+xml emma  
# application/emotionml+xml  
# application/encaprtsp  
# application/epp+xml  
application/epub+zip epub  
# application/eshop  
# application/example  
application/exi exi  
# application/fastinfoset  
# application/fastsoap  
# application/fdt+xml  
# application/fits  
# application/font-sfnt  
application/font-tdpfr pfr  
application/font-woff woff  
# application/framework-attributes+xml  
# application/geo+json  
application/gml+xml gml  
application/gpx+xml gpx  
application/gxf gxf  
# application/gzip  
# application/h224  
# application/held+xml  
# application/http  
application/hyperstudio stk  
# application/ibe-key-request+xml  
# application/ibe-pkg-reply+xml  
# application/ibe-pp-data  
# application/iges  
# application/im-iscomposing+xml

# application/index  
# application/index.cmd  
# application/index.obj  
# application/index.response  
# application/index.vnd  
application/inkml+xml ink inkml  
# application/iotp  
application/ipfix ipfix  
# application/ipp  
# application/isup  
# application/its+xml  
application/java-archive jar  
application/java-serialized-object ser  
application/java-vm class  
application/javascript js  
# application/jose  
# application/jose+json  
# application/jrd+json  
application/json json  
# application/json-patch+json  
# application/json-seq  
application/jsonml+json jsonml  
# application/jwk+json  
# application/jwk-set+json  
# application/jwt  
# application/kpml-request+xml  
# application/kpml-response+xml  
# application/ld+json  
# application/lgr+xml  
# application/link-format  
# application/load-control+xml  
application/lost+xml lostxml  
# application/lostsync+xml  
# application/lxf  
application/mac-binhex40 hqx  
application/mac-compactpro cpt  
# application/macwriteii  
application/mads+xml mads  
application/marc mrc  
application/marcxml+xml mrcx  
application/mathematica ma nb mb  
application/mathml+xml mathml  
# application/mathml-content+xml  
# application/mathml-presentation+xml  
# application/mbms-associated-procedure-description+xml  
# application/mbms-deregister+xml  
# application/mbms-envelope+xml  
# application/mbms-msk+xml

# application/mbms-msk-response+xml  
# application/mbms-protection-description+xml  
# application/mbms-reception-report+xml  
# application/mbms-register+xml  
# application/mbms-register-response+xml  
# application/mbms-schedule+xml  
# application/mbms-user-service-description+xml  
application/mbox mbox  
# application/media-policy-dataset+xml  
# application/media\_control+xml  
application/mediaservercontrol+xml mscml  
# application/merge-patch+json  
application/metalink+xml metalink  
application/metalink4+xml meta4  
application/mets+xml mets  
# application/mf4  
# application/mikey  
application/mods+xml mods  
# application/moss-keys  
# application/moss-signature  
# application/mosskey-data  
# application/mosskey-request  
application/mp21 m21 mp21  
application/mp4 mp4s  
# application/mpeg4-generic  
# application/mpeg4-iod  
# application/mpeg4-iod-xmt  
# application/mrb-consumer+xml  
# application/mrb-publish+xml  
# application/msc-ivr+xml  
# application/msc-mixer+xml  
application/msword doc dot  
application/mxf mxf  
# application/nasdata  
# application/news-checkgroups  
# application/news-groupinfo  
# application/news-transmission  
# application/nlsml+xml  
# application/nss  
# application/ocsp-request  
# application/ocsp-response  
application/octet-stream bin dms lrf mar so dist distz pkg bpk dump elc deploy  
application/oda oda  
# application/odx  
application/oebps-package+xml opf  
application/ogg ogg  
application/omdoc+xml omdoc  
application/onenote onetoc onetoc2 onetmp onepkg

application/oxps oxps  
# application/p2p-overlay+xml  
# application/parityfec  
application/patch-ops-error+xml xer  
application/pdf pdf  
# application/pdx  
application/pgp-encrypted pgp  
# application/pgp-keys  
application/pgp-signature asc sig  
application/pics-rules prf  
# application/pidf+xml  
# application/pidf-diff+xml  
application/pkcs10 p10  
# application/pkcs12  
application/pkcs7-mime p7m p7c  
application/pkcs7-signature p7s  
application/pkcs8 p8  
application/pkix-attr-cert ac  
application/pkix-cert cer  
application/pkix-crl crl  
application/pkix-pkipath pkipath  
application/pkixcmp pki  
application/pls+xml pls  
# application/poc-settings+xml  
application/postscript ai eps ps  
# application/ppsp-tracker+json  
# application/problem+json  
# application/problem+xml  
# application/provenance+xml  
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# application/prs.hpub+zip  
# application/prs.nprend  
# application/prs.plucker  
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# application/prs.xsf+xml  
application/pskc+xml pskcxml  
# application/qsig  
# application/raptorfec  
# application/rdap+json  
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application/reginfo+xml rif  
application/relax-ng-compact-syntax rnc  
# application/remote-printing  
# application/reputon+json  
application/resource-lists+xml rl  
application/resource-lists-diff+xml rld  
# application/rfc+xml



# application/riscos  
# application/rlmi+xml  
application/rls-services+xml rs  
application/rpki-ghostbusters gbr  
application/rpki-manifest mft  
application/rpki-roa roa  
# application/rpki-updown  
application/rsd+xml rsd  
application/rss+xml rss  
application/rtf rtf  
# application/rtploopback  
# application/rtx  
# application/samlassertion+xml  
# application/samlmetadata+xml  
application/sbml+xml sbml  
# application/scaip+xml  
# application/scim+json  
application/scvp-cv-request scq  
application/scvp-cv-response scs  
application/scvp-vp-request spq  
application/scvp-vp-response spp  
application/sdp sdp  
# application/sep+xml  
# application/sep-exi  
# application/session-info  
# application/set-payment  
application/set-payment-initiation setpay  
# application/set-registration  
application/set-registration-initiation setreg  
# application/sgml  
# application/sgml-open-catalog  
application/shf+xml shf  
# application/sieve  
# application/simple-filter+xml  
# application/simple-message-summary  
# application/simplesymbolcontainer  
# application/slate  
# application/smil  
application/smil+xml smi smil  
# application/smpite336m  
# application/soap+fastinfoset  
# application/soap+xml  
application/sparql-query rq  
application/sparql-results+xml srx  
# application/spirits-event+xml  
# application/sql  
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application/sru+xml sru  
application/ssdl+xml ssdl  
application/ssml+xml ssml  
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# application/tamp-community-update  
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# application/tamp-error  
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# application/tamp-status-response  
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# application/vnd.autopackage  
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# application/vnd.cybank  
application/vnd.dart dart  
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# application/vnd.debian.binary-package

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# application/vnd.dir-bi.plate-dl-nosuffix  
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# application/vnd.document+json  
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# application/vnd.dolby.mobile.1  
# application/vnd.dolby.mobile.2  
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application/vnd.dreamfactory dfac  
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application/vnd.geospace g3w  
# application/vnd.gerber  
# application/vnd.globalplatform.card-content-mgt  
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application/vnd.mobius.mqy mqy  
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application/vnd.ms-word.template.macroenabled.12 dotm  
application/vnd.ms-works wps wks wcm wdb  
application/vnd.ms-wpl wpl  
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# application/vnd.msa-disk-image  
application/vnd.mseq mseq  
# application/vnd.msign  
# application/vnd.multiad.creator  
# application/vnd.multiad.creator.cif  
# application/vnd.music-niff  
application/vnd.musician mus  
application/vnd.muvee.style msty

application/vnd.mynfc taglet  
# application/vnd.ncd.control  
# application/vnd.ncd.reference  
# application/vnd.nervana  
# application/vnd.netfpx  
application/vnd.neurolanguage.nlu nlu  
# application/vnd.nintendo.nitro.rom  
# application/vnd.nintendo.snes.rom  
application/vnd.nitf ntf nitf  
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application/vnd.noblenet-sealer nns  
application/vnd.noblenet-web nnw  
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# application/vnd.nokia.conml+xml  
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# application/vnd.nokia.isds-radio-presets  
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# application/vnd.ntt-local.file-transfer  
# application/vnd.ntt-local.ogw\_remote-access  
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# application/watcherinfo+xml  
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# application/whoispp-response  
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# application/wita  
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application/x-abiword abw  
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application/x-authorware-map aam  
application/x-authorware-seg aas  
application/x-bcpio bcpio  
application/x-bittorrent torrent  
application/x-blorb blb blorb

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application/x-bzip2 bz2 boz  
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application/x-cdlink vcd  
application/x-cfs-compressed cfs  
application/x-chat chat  
application/x-chess-pgn pgn  
# application/x-compress  
application/x-conference nsc  
application/x-cpio cpio  
application/x-csh csh  
application/x-debian-package deb udeb  
application/x-dgc-compressed dgc  
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application/x-java-jnlp-file jnlp  
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application/x-lzh-compressed lzh lha  
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application/x-msbinder obd  
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application/x-msclip clp  
application/x-msdownload exe dll com bat msi  
application/x-msmediaview mvb m13 m14  
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\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/http/mime.types

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- \* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/http/codec/support/DefaultClientCodecConfigurer.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/context/request/async/WebAsyncUtils.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/http/server/reactive/ContextPathCompositeHandler.java
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- \* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/accept/ParameterContentNegotiationStrategy.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/http/codec/CodecConfigurer.java
- \* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/context/AbstractContextLoaderInitializer.java
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\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/context/request/ServletWebRequest.java

\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/http/client/SimpleStreamingAsyncClientHttpRequest.java

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jar/org/springframework/web/bind/support/SessionStatus.java
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jar/org/springframework/web/HttpMediaTypeException.java
* /opt/ws_local/PERMITS_SQL/1009459528_1591385450.28/0/spring-web-5-1-10-release-sources-
jar/org/springframework/http/server/ServerHttpResponse.java
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\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/method/support/HandlerMethodArgumentResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/jsf/FacesContextUtils.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/http/server/ServerHttpRequestControl.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/context/ConfigurableWebApplicationContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/context/support/ServletConfigPropertySource.java  
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\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/http/client/AbstractClientHttpRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/http/client/ClientHttpRequest.java

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- \* Return the web session for the current request. Always guaranteed to
- \* return an instance either matching to the session id requested by the
- \* client, or with a new session id either because the client did not
- \* specify one or because the underlying session had expired. Use of this
- \* method does not automatically create a session. See {@link WebSession}
- \* for more details.

\*/

Found in path(s):

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\*/opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/HttpMediaTypeNotAcceptableException.java

\*/opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/bind/annotation/InitBinder.java

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\*/opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/context/ConfigurableWebEnvironment.java

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\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/client/RestClientException.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/bind/MissingServletRequestParameterException.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/util/IntrospectorCleanupListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/jsf/DelegatingPhaseListenerMulticaster.java  
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\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/http/server/reactive/ServletServerHttpResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/client/MessageBodyClientHttpResponseWrapper.java  
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\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/method/support/HandlerMethodArgumentResolverComposite.java  
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\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/http/client/SimpleClientHttpRequestFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/http/HttpCookie.java

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\* /opt/ws\_local/PERMITS\_SQL/1009459528\_1591385450.28/0/spring-web-5-1-10-release-sources-jar/org/springframework/web/method/annotation/ModelMethodProcessor.java

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# 1.376 netplan-io 0.98-0ubuntu1~18.04.1

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## 1.378 spring-cloud-context 2.1.3

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/\*\*

\* A {@link WebApplicationContext} that can be used to bootstrap itself from a contained

\* {@link ServletWebServerFactory} bean.



```

* <p>
* This context will create, initialize and run an {@link WebServer} by searching for a
* single {@link ServletWebServerFactory} bean within the {@link ApplicationContext}
* itself. The {@link ServletWebServerFactory} is free to use standard Spring concepts
* (such as dependency injection, lifecycle callbacks and property placeholder variables).
* <p>
* In addition, any {@link Servlet} or {@link Filter} beans defined in the context will be
* automatically registered with the web server. In the case of a single Servlet bean, the
* '/' mapping will be used. If multiple Servlet beans are found then the lowercase bean
* name will be used as a mapping prefix. Any Servlet named 'dispatcherServlet' will
* always be mapped to '/'. Filter beans will be mapped to all URLs ('/*').
* <p>
* For more advanced configuration, the context can instead define beans that implement
* the {@link ServletContextInitializer} interface (most often
* {@link ServletRegistrationBean}s and/or {@link FilterRegistrationBean}s). To prevent
* double registration, the use of {@link ServletContextInitializer} beans will disable
* automatic Servlet and Filter bean registration.
* <p>
* Although this context can be used directly, most developers should consider using the
* {@link AnnotationConfigServletWebServerApplicationContext} or
* {@link XmlServletWebServerApplicationContext} variants.
*
* @author Phillip Webb
* @author Dave Syer
* @since 2.0.0
* @see AnnotationConfigServletWebServerApplicationContext
* @see XmlServletWebServerApplicationContext
* @see ServletWebServerFactory
*/

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1009549893_1591897252.29/0/spring-boot-2-1-9-release-sources-
jar/org/springframework/boot/web/servlet/context/ServletWebServerApplicationContext.java

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- \* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/context/package-info.java
- \* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/web/servlet/WebListenerHandler.java
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\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/web/codecs/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/web/embedded/tomcat/TldSkipPatterns.java

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\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/ansi/AnsiPropertySource.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/logging/logback/SpringProfileAction.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/web/embedded/tomcat/TomcatWebServer.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/orm/jpa/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/convert/StringToDurationConverter.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/web/servlet/filter/OrderedHiddenHttpMethodFilter.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/context/logging/LoggingApplicationListener.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/json/JsonParseException.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/context/properties/bind/validation/ValidationErrors.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/jta/bitronix/BitronixDependentBeanFactoryPostProcessor.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/env/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/context/properties/source/SpringConfigurationPropertySource.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/context/properties/ConfigurationPropertiesBinder.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/logging/LoggingSystemProperties.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/ApplicationArguments.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/diagnostics/FailureAnalysisReporter.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/logging/logback/DebugLogbackConfigurator.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/convert/StringToEnumIgnoringCaseConverterFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/diagnostics/analyzer/InvalidConfigurationPropertyValueFailureAnalyzer.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/web/servlet/filter/OrderedFormContentFilter.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/logging/LoggingSystem.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/CommandLineRunner.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/web/server/WebServerException.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/web/server/ErrorHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/diagnostics/FailureAnalyzers.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/web/servlet/error/ErrorHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/context/properties/source/ConfigurationPropertySource.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/logging/log4j2/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/env/PropertiesPropertySourceLoader.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/convert/DurationStyle.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/web/embedded/undertow/UndertowServletWebServer.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/web/server/ErrorHandlerRegistry.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/web/context/WebServerInitializedEvent.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/cloud/CloudPlatform.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/jackson/JsonComponentModule.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/web/servlet/server/StaticResourceJars.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/context/properties/source/ConfigurationPropertyNameAliases.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/origin/OriginLookup.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/web/embedded/undertow/UndertowDeploymentInfoCustomizer.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/logging/logback/ExtendedWhitespaceThrowableProxyConverter.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/builder/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/json/JsonParser.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/ExitCodeGenerators.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/context/properties/source/ConfigurationPropertyName.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/logging/LoggerConfigurationComparator.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/context/properties/bind/UnboundConfigurationPropertiesException.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/context/properties/ConfigurationPropertiesBindHandlerAdvisor.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/context/properties/bind/AggregateBinder.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/web/embedded/jetty/ForwardHeadersCustomizer.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/context/FileEncodingApplicationListener.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/Banner.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/web/embedded/undertow/CompositeResourceManager.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/context/properties/bind/validation/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/web/server/WebServerFactoryCustomizerBeanPostProcessor.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/web/embedded/netty/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/web/client/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/diagnostics/analyzer/AbstractInjectionFailureAnalyzer.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/web/embedded/jetty/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/convert/ApplicationConversionService.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/web/embedded/jetty/SslServerCustomizer.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/logging/logback/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/diagnostics/analyzer/UnboundConfigurationPropertyFailureAnalyzer.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/context/properties/source/DefaultPropertyMapper.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/web/reactive/context/ConfigurableReactiveWebApplicationContext.java

\* /opt/ws\_local/PERMITS\_SQL/1009549893\_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/org/springframework/boot/validation/package-info.java

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* /opt/ws_local/PERMITS_SQL/1009549893_1591897252.29/0/spring-boot-2-1-9-release-sources-
jar/org/springframework/boot/web/embedded/jetty/JettyEmbeddedErrorHandler.java
* /opt/ws_local/PERMITS_SQL/1009549893_1591897252.29/0/spring-boot-2-1-9-release-sources-
jar/org/springframework/boot/jdbc/DatabaseDriver.java
* /opt/ws_local/PERMITS_SQL/1009549893_1591897252.29/0/spring-boot-2-1-9-release-sources-
jar/org/springframework/boot/web/embedded/jetty/ConfigurableJettyWebServerFactory.java
* /opt/ws_local/PERMITS_SQL/1009549893_1591897252.29/0/spring-boot-2-1-9-release-sources-
jar/org/springframework/boot/ResourceBanner.java
* /opt/ws_local/PERMITS_SQL/1009549893_1591897252.29/0/spring-boot-2-1-9-release-sources-
jar/org/springframework/boot/util/package-info.java
* /opt/ws_local/PERMITS_SQL/1009549893_1591897252.29/0/spring-boot-2-1-9-release-sources-
jar/org/springframework/boot/BeanDefinitionLoader.java
* /opt/ws_local/PERMITS_SQL/1009549893_1591897252.29/0/spring-boot-2-1-9-release-sources-
jar/org/springframework/boot/logging/java/package-info.java
No license file was found, but licenses were detected in source scan.
```

<name>Apache License, Version 2.0</name>

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1009549893_1591897252.29/0/spring-boot-2-1-9-release-sources-jar/META-
INF/maven/org.springframework.boot/spring-boot/pom.xml
```

## 1.380 spring-framework 5.1.10

### 1.380.1 Available under license :

```
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 * See the License for the specific language governing permissions and
 * limitations under the License.
 */
```

```
package org.springframework.orm.jpa.domain;
```

```
import javax.persistence.Entity;
import javax.persistence.Id;
import javax.persistence.Table;
```

```

@Entity
@Table(name="DRIVERS_LICENSE")
public class DriversLicense {

    @Id
    private int id;

    private String serial_number;

    protected DriversLicense() {
    }

    public DriversLicense(String serialNumber) {
        this.serial_number = serialNumber;
    }

    public String getSerialNumber() {
        return serial_number;
    }
}

```

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Version 2.1, February 1999

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Otherwise, if the work is a derivative of the Library, you may

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*/
```

```
package org.springframework.test.context.junit4.orm.domain;
```

```
/**
```

```
 * DriversLicense POJO.
```

```
 *
```

```
 * @author Sam Brannen
```

```
 * @since 3.0
```

```
 */
```

```
public class DriversLicense {
```

```
    private Long id;
```

```
    private Long number;
```

```
    public DriversLicense() {
    }
```

```
    public DriversLicense(Long number) {
        this(null, number);
    }
```

```
    public DriversLicense(Long id, Long number) {
        this.id = id;
        this.number = number;
    }
```

```
    public Long getId() {
        return this.id;
    }
```

```
    protected void setId(Long id) {
        this.id = id;
    }
```

```
    public Long getNumber() {
        return this.number;
    }
```



```

public void setNumber(Long number) {
    this.number = number;
}

}
<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE hibernate-mapping PUBLIC "-//Hibernate/Hibernate Mapping DTD//EN"
    "https://hibernate.org/dtd/hibernate-mapping-3.0.dtd">

<hibernate-mapping auto-import="true" default-lazy="false">

    <class name="org.springframework.test.context.junit4.orm.domain.DriversLicense" table="drivers_license">
        <id name="id" column="id">
            <generator class="identity" />
        </id>
        <property name="number" column="license_number" />
    </class>

</hibernate-mapping>

```

# 1.381 proto-google-common-protos 1.16.0

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```
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## 1.385 junit 4.12

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- jsp\_2\_2.xsd
- web-app\_3\_0.xsd
- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd
- javaee\_7.xsd
- javaee\_web\_services\_1\_4.xsd
- javaee\_web\_services\_client\_1\_4.xsd
- jsp\_2\_3.xsd
- web-app\_3\_1.xsd
- web-common\_3\_1.xsd
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- javaee\_5.xsd
- javaee\_web\_services\_1\_2.xsd
- javaee\_web\_services\_client\_1\_2.xsd
- javaee\_6.xsd
- javaee\_web\_services\_1\_3.xsd
- 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
- javaee\_7.xsd
- javaee\_web\_services\_1\_4.xsd
- javaee\_web\_services\_client\_1\_4.xsd
- jsp\_2\_3.xsd
- web-app\_3\_1.xsd
- web-common\_3\_1.xsd
- web-fragment\_3\_1.xsd
- javaee\_8.xsd
- web-app\_4\_0.xsd
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- web-common\_3\_0.xsd
- web-fragment\_3\_0.xsd
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- javaee\_web\_services\_1\_3.xsd
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- \* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/Priority.java
- \* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/spi/OptionHandler.java
- \* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/BasicConfigurator.java
- \* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/LogManager.java
- \* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/Category.java
- \* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/xml/DOMConfigurator.java
- \* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/spi/LoggingEvent.java
- \* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/PropertyConfigurator.java
- \* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/Layout.java
- \* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/ConsoleAppender.java
- \* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/spi/Filter.java
- \* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/spi/Configurator.java
- \* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/FileAppender.java
- \* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/MDC.java
- \* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/RollingFileAppender.java
- \* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/Level.java
- \* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/PatternLayout.java
- \* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/WriterAppender.java
- \* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/spi/LoggerRepository.java
- \* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/NDC.java
- \* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/AppenderSkeleton.java
- \* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/Log4jLoggerFactory.java
- \* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/spi/HierarchyEventListener.java

\* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/Logger.java  
\* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/Appender.java  
\* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/spi/LoggerFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/spi/ErrorHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/helpers/LogLog.java  
\* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/org/apache/log4j/SimpleLayout.java

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\* /opt/ws\_local/PERMITS\_SQL/1010767763\_1591897856.25/0/log4j-over-slf4j-1-7-28-sources-jar/META-INF/maven/org.slf4j/log4j-over-slf4j/pom.xml

# 1.395 json-smart-v1 2.3

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# 1.396 json-path 2.4.0

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# 1.397 apache-log4j-to-slf4j-adapter 2.11.2

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Upstream Author: Daniel Veillard <[Daniel.Veillard@imag.fr](mailto:Daniel.Veillard@imag.fr)>

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<li><a href="http://www.atlassian.com/">Atlassian Software Systems</a> donation of Confluence and JIRA licences.</li>

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<li>Voxeo Labs - sponsorship of the initial development of APIs for DTLS 1.0 (RFC 4347), DTLS-SRTP key negotiation (RFC 5764), and server side TLS 1.1 (RFC 4346) and tested WebRTC compatibility. More information on Voxeo Labs can be found at <a href="http://voxeolabs.com">http://voxeolabs.com</a></li>

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<http://sourceforge.net/projects/jcf/>

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- <li>Jess Garms &lt;jgarms&#064;yahoo.com&gt; - fixing 112/168 key size bug for DESede key generation.</li>
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- <li>Stef Hoeben &lt;ilsestef&#064;skynet.be&gt; - adding Montgomery multiplication to the BigInteger class.</li>
- <li>Klaudiusz Ciosk &lt;kciosk&#064;max.com.pl&gt; - improving the compatibility of the SMIME package with the Sun JCE.</li>
- <li>Thomas Houtekier &lt;Thomas.Houtekier&#064;tectrade.net&gt; - S/Mime testing and debugging. Interoperability with Biztalk.</li>
- <li>Don Hillsberry &lt;hillsber&#064;dialcorp.com&gt; - S/Mime testing and debugging.</li>
- <li>Kazuo Furuya &lt;kfuruya&#064;infoteria.co.jp&gt; - fixing root certificate chaining bug in PKCS12 key store.</li>
- <li>Jason Novotny &lt;jdnovotny&#064;lbl.gov&gt; - initial work on the openSSL PEM processing.</li>
- <li>Joel Hockey &lt;joel.hockey&#064;qsipayments.com&gt; - initial work on the openSSL PEM processing.</li>
- <li>John Steenbruggen &lt;JohnS&#064;geotrust.com&gt; - fixing CertificationRequestInfo to handle cert request info objects without attribute blocks.</li>



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<li>John Serock &lt;jserock@hotmail.com>; - fixing null pointer exception in constructor for ExtendedKeyUsage. Fixing of base OID bug in KeyPurposeId. Compliance of KeyUsage extension return value with security API.</li>  
<li>Sascha Weinreuter &lt;Sascha.Weinreuter@cit.de>; - fixed SMIME saveChanges() bug.</li>  
<li>Andre Wehnert &lt;aw5@mail.inf.tu-dresden.de>; - fixing key schedule problem in RC5-64, fixing buffer cleaning issue in buffered block cipher.</li>  
<li>Luigi Lo Iacono &lt;lo\_iacono@nue.et-inf.uni-siegen.de>; - adding SIC mode to the blockciphers in the provider.</li>  
<li>Tim Sakach &lt;tsakach@certivo.net>; - SMIME v2 compatibility patches.</li>  
<li>Marcus Povey &lt;mpovey@brookes.ac.uk>; - adding the PGP mode to the lightweight API and the provider.</li>  
<li>Sebastian Clau &lt;sc2@inf.tu-dresden.de>; - adding randomness setting to the certificate and CRL generators.</li>  
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<li>Casey Marshall &lt;rsdio@metastatic.org>; - fixing the clone problem with Macs in the clean room JCE.</li>  
<li>Rick Zeldes &lt;rick.zeldes@eds.com>; - initial code for CMS/SMIME CompressedData.</li>  
<li>Jarek Gawor &lt;gawor@mcs.anl.gov>; - fixing ASN.1 sequence unpacking in BasicConstraints constructor.</li>  
<li>Brett Neumeier &lt;random@rnd.cx>; - patch to OriginatorIdentifierOrKey object, improvements to encoders package, introduction of UrlBase64.</li>  
<li>Graham Coles &lt;graham.coles@retail-logic.com>; - patch to isParityAdjusted in DESKeySpec.</li>  
<li>Jörn von Kattchee &lt;J.Kattchee@seeburger.de>; - patch to SMIMEGenerator for preventing class cast exceptions with BodyParts containing Multipart objects.</li>  
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<li>Julian Morrison &lt;julian@extropy.demon.co.uk>; - spotting the slow down in Diffie-Hellman key generation.</li>  
<li>Elmar Sonnenschein &lt;eso@esomail.de>; - fix to long conversion in clean room SecureRandom.</li>  
<li>Jörn Schwarze &lt;JSchwarze@ulc.de>; - Locale fix for the clean room JCE.</li>  
<li>Bryan Lovquist &lt;bkl@cps.com.au>; - Other provider compatibility fixes for CMS signing.</li>  
<li>Artem Portnoy &lt;Artem\_Portnoy@ibi.com>; - generalisations for CMSProcessableBodyPart in S/MIME. Header fix for mime messages.</li>  
<li>Michael H&uuml;usler &lt;haeusler@ponton-consulting.de>; - missing OID update for SHA1 with RSA Signature.</li>  
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<li>Johannes Nicolai &lt;johannes.nicolai@novosec.com>; - further enhancements to OCSP response generation, fix to CertificateID issuer.</li>  
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<li>Jan Dvorak &lt;jan.dvorak@mathan.cz>; - initial implementation of the light weight Null block cipher.</li>  
<li>Joe Cohen &lt;jcohen@forumsys.com>; - converting the ArrayOutOfBoundsException in DERInputStream into what it should have been.</li>  
<li>Chris Long &lt;aclong@ece.cmu.edu>; - adding public key decoding to PEMReader.</li>  
<li>Hes Siemelink &lt;hes@izecom.com>; - findIssuer fix for CertPathBuilder, toMimeMessage converter for Mail API, getSize() fix for zero length messages in SMIMEMessage.</li>

- <li>Stefan Puiu &lt;stefanpuiu@#064yahoo.com>; - initial implementation V3 policy mapping, policy qualifier objects in ASN.1 X.509 package.</li>
- <li>Kaiser Yang &lt;kaiseryang@#064yahoo.com>; - Finding BigInteger loop problem in prime generation.</li>
- <li>Jiri Urbanec &lt;jiri.urbanec@#064logicacmg.com>; - patch to fix defect in DERBMPString.equals().</li>
- <li>Justin Kolb &lt;jkolb@#064pristx.com>; - patch to DSA signature generation in OpenPGP. Fix for the unexpected "Unexpected end of ZLIB input stream" exception.</li>
- <li>Ralf Hauser &lt;ralfhauser@#064gmx.ch>; - patch to exception handling in PublicKeyRing, PEMReader, 1.4 build script, X509 Certificate Factory, CertPathValidatorUtilities, fromAddress null check in SignedMailValidator, ReadOnceInputStream testing utility in MIME tests.</li>
- <li>Michal Dvorak &lt;M\_Dvorak@#064kb.cz>; - getNextUpdate patch for OCSP SingleResp.</li>
- <li>Klaus Greve Fiorentini &lt;Klaus@#064cpqd.com.br>; - array fix in PGP PublicKeyEncSessionPacket.</li>
- <li>Olivier Refalo &lt;Olivier\_Refalo@#064fpl.com>; - null pointer exception fix for JDK 1.3 CMSSignedData objects.</li>
- <li>Mariusz Bandola &lt;mariusz.bandola@#064cryptotech.com.pl>; - patch to DERGeneralizedTime. Compliance patch for OCSP TBSRequest class. Patch to X509Name for delaing with general objects in sequences.</li>
- <li>Brien Oberstein &lt;brien.oberstein@#064transactools.net>; - patch to S2K algorithm in OpenPGP, initial PGP version 3 secret key support, initial PGP version 3 signature generation, RIPEMD160 addition to PGPUtil.</li>
- <li>Ian Haywood &lt;ian@#064haywood.bpa.nu>; - addition of getSignatureType to PGPSignature.</li>
- <li>Jonathan Edwards &lt;s34gull@#064mac.com>; - initial support for reading multiple rings from a PGP key file.</li>
- <li>Andrew Thornton &lt;andrew@#064caret.cam.ac.uk>; - patch for RSA PUBLIC KEY in PEMReader.</li>
- <li>Gregor Leander &lt;gl@#064bos-bremen.de>; - initial parsing of multiple sequence entries in an X.500 Name.</li>
- <li>Antoon Bosselaers &lt;Antoon.Bosselaers@#064esat.kuleuven.ac.be>; - help with RipeMD320 implementation.</li>
- <li>Peter Sylvester &lt;Peter.Sylvester@#064edelweb.fr>; - improvements to the ASN.1 BasicConstraints object.</li>
- <li>Doug &lt;ummmmm@#064myrealbox.com>; - addition of isEncryptionKey method to OpenPGP public keys.</li>
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- <li>W.R. Dittmer &lt;wdittmer@#064cs.vu.nl>; - patch to decoding of SignatureCreationTime in BCPG. Patch to PGPPKeyPair to fix nullpointer exception.</li>
- <li>Perez Paz Luis Alberto &lt;laperez@#064banxico.org.mx>; - patch to use of BitString in X.500 name.</li>
- <li>James Wright &lt;James\_Wright@#064harte-hanks.com>; - patches for dealing with "odd" ArmoredInputStreams.</li>
- <li>Jim Ford &lt;jim@#064muirford.com>; - patch to PGPSecretKey to avoid null pointer exception on encoding secret keys, comments on KeyExpirationTime, getBitStrength for ElGamal keys. Signature creation time patch for newly created v4 signatures.</li>
- <li>Michael Hausler &lt;haeusler@#064ponton-consulting.de>; - extra aliases for provider.</li>
- <li>Sai Pullabhotla &lt;psai@#064linoma.com>; - fix to PGP compressed data generator to improve compression levels. Performance improvements for KeyBasedLargeFileProcessor.</li>
- <li>Joseph Miller &lt;joseph@#064digiweb.net.nz>; - addition of ZeroBytePadding.</li>
- <li>Lars &lt;xyz@#064sagemdenmark.dk>; - patch to explicit padded mode for CBC block cipher MAC.</li>
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<li>Filipe Silva &lt;filipe.silva&#064wedoconsulting.com&gt; - patch to fix overread issue in BCPGInputStream.</li>  
<li>Alpesh Parmar &lt;alps&#064linuxmail.org&gt; - patch for class cast problem in PGPPublicKey.getSignatures().</li>  
<li>Jay Gengelbach &lt;jengelbach&#064webmethods.com&gt; - patch to fix isSigningKey in PGPSecretKey class, patch to hashedPackets in PGP signatureGenerator, initial cut for indefinite length output.</li>  
<li>Doug &lt;doug&#064tigerprivacy.com&gt; - public key ring patches for ElGamal Signatures, problem key ring data.</li>  
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<li>Tom Cargill &lt;cargill&#064profcon.com&gt; - spelling patch in provider.</li>  
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<li>Zanotti Mirko &lt;zanotti&#064cad.it&gt; - patch to ordered equality test for X509Name.</li>  
<li>Nicola Scendoni &lt;nscendoni&#064babelps.it&gt; - patch to add sorting to CertPath validation.</li>  
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<li>Carlos Lozano &lt;carlos&#064evintia.com&gt; - initial TSP implementation, patch to SignerInformation for supporting repeated signers, initial updates for supporting repeated attributes in CMS.</li>  
<li>Javier Delgadillo &lt;javi&#064javi.codewarp.org&gt; - initial Mozilla PublicKeyAndChallenge classes.</li>  
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<li>Sergey Bahtin &lt;Sergey\_Bahtin&#064yahoo.com&gt; - fix for recovering certificate aliases in BKS and UBER key stores. Initial implementations of GOST-28147, GOST-3410, EC GOST-3410, GOST OFB mode (GOFB) and GOST-3411.</li>  
<li>Franck Leroy &lt;Franck.Leroy&#064keynectis.com&gt; - ANS.1 set sorting. Contributions to TSP implementation. Test vectors for Bleichenbacher's forgery attack.</li>  
<li>Atsuhiko Yamanaka &lt;ymnk&#064jcraft.com&gt; - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.</li>  
<li>Nickolay Bolshackov &lt;tyrex&#064reksoft.ru&gt; - patch for class cast exception in AuthorityInformationAccess class.</li>  
<li>Soren Hilmer &lt;soren.hilmer&#064tietoenator.com&gt; - patches for CertID with issuerSerial set in TSP implementation, additional compliance testing.</li>  
<li>Steve Mitchell &lt;mitchell&#064intertrust.com&gt; - patch for stateful path validator fix. Patch to allow BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP.  
Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.</li>

- <li>Dirk Eisner &lt;D.Eisner&#064seeburger.de&gt; - initial implementation of ISO 78164-4 padding.</li>
- <li>Julien Pasquier &lt;julienpasquier&#064free.fr&gt; - initial implementation of attribute classes from RFC 3126. Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.</li>
- <li>Matteo &lt;matartuso&#064libero.it&gt; - sequence patch to ASNIDump.</li>
- <li>Andrew Paterson &lt;andrew.paterson&#064burnsecs.com&gt; - patches to PGP tools, isRevoked method on PGPPublicKey.</li>
- <li>Vladimir Molotkov &lt;vladimir.n.molotkov&#064intel.com&gt; - extensive provider exception handling compliance testing.</li>
- <li>Florin Kollan &lt;adlocflo&#064web.de&gt; - fix to ElGamalKeyParameters equality testing.</li>
- <li>Pavel Vassiliev &lt;paulvas&#064gmail.com&gt; - Initial GOST28147Mac implementation.</li>
- <li>Tom Pesman &lt;tom&#064tnux.net&gt; - addition of DES-EDE encryption for RSAPrivate keys to PEMWriter.</li>
- <li>Lukasz Kowalczyk &lt;lukasz.b.kowalczyk&#064gmail.com&gt; - patch to fix parsing issue with OpenSSL PEM based certificate requests.</li>
- <li>Arndt Hasch &lt;Arndt.Hasch&#064maxence.de&gt; - additional fix for partial reading with new style PGP packets.</li>
- <li>Fix Bernd (KCDP 11) &lt;bernd.fix&#064credit-suisse.com&gt; - fix for 31 byte issue and exception throwing by Whirlpool.</li>
- <li>David M. Lee &lt;dmlee&#064Crossroads.com&gt; - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.</li>
- <li>Mike Dillon &lt;md5&#064embody.org&gt; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.</li>
- <li>tu-vi cung &lt;t2cung&#064hotmail.com&gt; - patch for out of bounds problem in getDecoderStream method.</li>
- <li>Chris Schultz &lt;cschultz&#064gmail.com&gt; - fix for InputStream constructor for X509V2AttributeCertificate.</li>
- <li>David M. Lee &lt;dmlee&#064Crossroads.com&gt; - implementation assistance with streaming CMS classes.</li>
- <li>Joel Rees &lt;rees&#064ddcom.co.jp&gt; - fix to correct getOID methods from returning same set on X.509 attribute certificates.</li>
- <li>Francesc Sau &lt;francesc.sau&#064partners.netfocus.es&gt; - micro fix for tsp Accuracy class.</li>
- <li>Larry Bugbee &lt;bugbee&#064mac.com&gt; - initial ECNR implementation.</li>
- <li>Remi Blancher &lt;Remi.Blancher&#064keynectis.com&gt; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.</li>
- <li>Brian O'Rourke &lt;brianorourke&#064gmail.com&gt; - patch for signature creation time override in OpenPGP.</li>
- <li>Andreas Schwier &lt;andreas.schwier&#064cardcontact.de&gt; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-EDE 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.</li>
- <li>David Josse &lt;david.josse&#064transacttools.net&gt; - Patch for trailer function in version 2 signature packets.</li>
- <li>Kishimoto Kazuhiko &lt;kazu-k&#064hi-ho.ne.jp&gt; - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.</li>
- <li>Lawrence Tan &lt;lwrnctan&#064gmail.com&gt; - Large field OID sample test data. Missing key types in JDKKeyFactory.</li>
- <li>Carlos Valiente &lt;superdupont&#064gmail.com&gt; - Addition of CRL writing to the PEMWriter class.</li>
- <li>Keyon AG, Martin Christinat, <a href="http://www.keyon.ch">http://www.keyon.ch</a> - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.</li>

- <li>Olaf Keller, &lt;olaf.keller.bc&#064bluwin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.</li>
- <li>J&ouml;rg Eichhorn &lt;eichhorn&#064ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputStream, support for F2m compression.</li>
- <li>Karsten Ohme &lt;widerstand&#064t-online.de&gt; - initial check against for out of range data on non byte aligned RSA keys. Addition of equals/hashCode on ECCurve.Fp. Additional curve type support for Fp, contributions to F2m compression. F2m decoding for ECPointUtil. Infinity fix and prime192v2 fix for Fp. Extra validation for RSA key creation. Fix to name typos for some OpenSSL key generators. RFC-1779 table, improved RFC 2253 compliance for X509Name. Additional constructor validation for X.509/ESS ASN.1 classes. Validation for Printable, IA5, and Numeric Strings. Fix for RFC 5280 NameConstraint checking for RDNs.</li>
- Support for surrogate pairs in DERUTF8String, DER UTF8 test. Additional X.509 name attributes for ISIS-MTT, RFC 3039, addition of indirect CRL support, initial X509 LDAP CertStore implementation, CertificatePair class, and X509CertificatePair class. Contributions to X509Store/Parser infrastructure and design.
- CertPath support for implicit DSA parameters and a range of NameConstraints. Addition of support for V1 attribute certificates and attribute certificate path validation. Initial classes for ASN.1 ISIS-MTT support. Enhancements for improving compliance with the NIST CertPath tests.</li>
- <li>Carlos Lozano Ruiz &lt;carlos&#064tradise.com&gt; - patch for &lt;ctrl&gt;&lt;m&gt; only handling in CRLFOutputStream.</li>
- <li>John Alfred Prufrock &lt;j.a.prufrock&#064gmail.com&gt; - mods to GOST-3411 and MD2 to support ExtendedDigest.</li>
- <li>Stefan Neusatz Guilhen &lt;sneusatz&#064gmail.com&gt; - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.</li>
- <li>Marzio Lo Giudice &lt;marzio.logiudice&#064gmail.com&gt; - fix to endianness in KDF2BytesGenerator, additional KDF2 tests.</li>
- <li>Georg Lippold &lt;georg.lippold&#064gmx.de&gt; - initial implementation of NaccacheStern cipher.</li>
- <li>Chris Viles &lt;chris\_viles&#064yahoo.com&gt; - fix to SignatureSubpacket critical bit setting.</li>
- <li>Pasi Eronen &lt;Pasi.Eronen&#064nokia.com&gt; - extra toString() support for ASN.1 library. Initial patch for large OID components.</li>
- <li>Lijun Liao &lt;https://github.com/xipki&gt; performance enhancements for SHA family of digests. Bug report and patch for blank line handling in ArmoredInputStream. Addition of getSignatureAlgorithmID to BasicOCSPResp. Reset fix for SM2 signatures, performance improvements for SHA-3. Clean up of CMP EncryptedValueBuilder, additional functionality on PollReqContent. Bug fix for endianness issue in cSHAKE left encode method.</li>
- <li>Maria Ivanova &lt;maria.ivanova&#064gmail.com&gt; - support for tags > 30 in ASN.1 parsing.</li>
- <li>Armin H&auml;berling &lt;arminha&#064student.ethz.ch&gt; - first cut of internationalisation, initial PKIX validation classes.</li>
- <li>Marius Schilder &lt;mschilder&#064google.com&gt; - main set of test vectors for Bleichenbacher's forgery attack.</li>
- <li>Xavier Le Vourch &lt;xavier&#064brittanysoftware.com&gt; - general code clean ups.</li>
- <li>Erik Tews &lt;e\_tews&#064cdc.informatik.tu-darmstadt.de&gt; - initial threaded random seed generator, constant-time PKCS#1.5 decoding</li>
- <li>Thomas Dixon &lt;reikomusha&#064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.</li>
- <li>Frank Cornelis &lt;info&#064frankcornelis.be&gt;- addition of crlAccessMethod in X509ObjectIdentifiers.</li>
- <li>Rui Joaquim &lt;rjoaquim&#064cc.isel.ipl.pt&gt; - initial implementation of RSA blinding for signatures.</li>

- <li>David Stacey &lt;DStacey@allantgroup.com>; - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.</li>
- <li>Martijn Brinkers &lt;list@mitm.nl>; - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.</li>
- <li>Julius Davies &lt;juliusdavies@gmail.com>; - additional modes and algorithm support in PEMReader</li>
- <li>Matthias &lt;g@rtner.de>; - GnuPG compatibility changes for PBEFileProcessor.</li>
- <li>Olga K&uuml;thler &lt;olga.kaethler@hjp-consulting.com>; - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.</li>
- <li>Germano Rizzo &lt;germano.rizzo@gmail.com>; - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.</li>
- <li>N&uacute;ria Mar&iacute; &lt;numaa@hotmail.com>; - patch for alternate data type recognition in CMSSignedDataParser.</li>
- <li>Janis Schuller &lt;js@tzi.de>; - addition of NotationData packets for OpenPGP.</li>
- <li>Michael Samblanet &lt;mike@samblanet.com>; - patches towards improved Sun/default provider support in CMS.</li>
- <li>Mike StJohns &lt;mstjohns@comcast.net>; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA, updates to KeyPurposeId.</li>
- <li>Ramon Keller &lt;ramon.keller@gmx.ch>; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.</li>
- <li>Mark Nelson &lt;mark@nbr.com>; - correction to excluded DN in name constraints processing for PKIX processing.</li>
- <li>Eugene Golushkov &lt;eugene\_gff@ukr.net>; - mask fix to single byte read in TlsInputStream.</li>
- <li>Julien Pasquier &lt;julienpasquier@free.fr>; - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.</li>
- <li>Peter Knopp &lt;pknopp@mtg.de>; - fix for named curve recognition in ECGOST key generation.</li>
- <li>Jakub Gwozdz &lt;gwozdziu@rpg.pl>; - addition of getTsa() to TimeStampTokenInfo.</li>
- <li>Bartosz Malkowski &lt;bmalkow@tigase.org>; - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMac.</li>
- <li>Tal Yacobi &lt;tal.yacobi@octavian-tech.com>; - fix for issue in OpenPGP examples [#BJA-55].</li>
- <li>Massimiliano Ziccardi &lt;massimiliano.ziccardi@gmail.com>; - support for counter signature reading in CMS API, update for multiple counter signature attributes, JCA compliance patch for PEM parsing in CertificateFactory.</li>
- <li>Andrey Pavlenko &lt;andrey.a.pavlenko@gmail.com>; - security manager patch for PKCS1Encoding property check.</li>
- <li>J Ross Nicoll &lt;jrn@jrn.me.uk>; - improved exception handling for getInstance() in ASN.1 library.</li>
- <li>Matthew Stevenson &lt;mavricknz@yahoo.com>; - patch to constructor for CRMF CertSequence.</li>
- <li>Gabriele Contini &lt;gcontini@hotpop.com>; - identified a bug in ASN.1 library with handling of unterminated NDEF's.</li>
- <li>Roelof Naude &lt;roelof.naude@epiuse.com>; - patch for TLS client to send empty client certs in response to HP\_CERTIFICATE\_REQUEST.</li>
- <li>Patrick Peck &lt;peck@signaturen.at>; - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.</li>
- <li>Michael LeMay &lt;lemaymd@lemaymd.com>; - identified problem with EAX [#BJA-93].</li>
- <li>Alex Dupre &lt;ale@FreeBSD.org>; - fix to use of Signature rather than SignatureSpi in provider [#BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [#BJA-102]</li>

<li>Michael Schoene &lt;michael&#064sigrid-und-michael.de&gt; - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().</li>

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<li>Stefan Meyer &lt;stefan.meyer&#064ewe.de&gt; backport for PKIXCertPathValidator and SMIMESignedMailReviewer.</li>

<li>Robert J. Moore &lt;Robert.J.Moore&#064allanbank.com&gt; speedups for OpenPGPCFB mode, clean room JCE patches.</li>

<li>Rui Hodai &lt;rui&#064po.ntts.co.jp&gt; speed ups for Camellia implementation, CamelliaLightEngine.</li>

<li>Emir Bucalovic &lt;emir.bucalovic&#064mail.com&gt; initial implementation of Grain-v1 and Grain-128.</li>

<li>Torbjorn Svensson &lt;tobbe79&#064gmail.com&gt; initial implementation of Grain-v1 and Grain-128.</li>

<li>Paul FitzPatrick &lt;bouncycastle\_pfitz&#064fitzpatrick.cc&gt; error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.</li>

<li>Henrik Andersson &lt;k.henrik.andersson&#064gmail.com&gt; addition of UniqueIssuerID to certificate generation.</li>

<li>Cagdas Cirit &lt;cagdasirit&#064gmail.com&gt; subjectAlternativeName fix for x509CertStoreSelector.</li>

<li>Harakiri &lt;harakiri\_23&#064yahoo.com&gt; datahandler patch for attached parts in SMIME signatures.</li>

<li>Pedro Henriques &lt;pmahenriques&#064gmail.com&gt; explicit bounds checking for DESKeyGenerator, code simplification for OAEP encoding.</li>

<li>Lothar Kimminger &lt;job&#064kimminger.de&gt; verbose mode for ASN1Dump, support for DERExternal, DNS performance fix for S/MIME API.</li>

<li>Richard Farr &lt;rfarr.se&#064gmail.com&gt; initial SRP-6a implementation.</li>

<li>Thomas Castiglione &lt;castiglione&#064au.ibm.com&gt; patch to encoding for CRMF OptionalValidity.</li>

<li>Elisabetta Romani &lt;eromani&#064sogei.it&gt; patch for recognising multiple counter signatures.</li>

<li>Robin Lundgren &lt;r737lundgren&#064gmail.com&gt; CMPCertificate constructor from X509CertificateStructure fix.</li>

<li>Petr Kadlec &lt;mormegil&#064centrum.cz&gt; fix to sign extension key and IV problem in HC-128, HC-256.</li>

<li>Andreas Antener &lt;antener\_a&#064gmx.ch&gt; fix to buffer reset in AsymmetricBufferedBlockCipher.</li>

<li>Harendra Rawat &lt;hsrawat&#064yahoo.com&gt; fix for BERConstructedOctetString.</li>

<li>Rolf Lindemann &lt;lindemann&#064trustcenter.de&gt; patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].</li>

<li>Alex Artamonov &lt;alexart.home&#064gmail.com&gt; name look up patch for GOST-2001 parameters.</li>

<li>Mike Lyons &lt;mlyons&#064layer7tech.com&gt; work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.</li>

<li>Chris Cole &lt;chris\_h\_cole&#064yahoo.com&gt; identified a problem handling null passwords when loading a BKS keystore.</li>

<li>Tomas Krivanek &lt;tom&#064atack.cz&gt; added checking of Sender header to SignedMailValidator.</li>

<li>Michael &lt;emfau&#064t-online.de&gt; correction of field error in getResponse method in CertRepMessage.</li>

<li>Trevor Perrin &lt;trevor&#064cryptography.com&gt; addition of constant time equals to avoid possible timing attacks.</li>

<li>Markus Kil&aring;s &lt;markus&#064primekey.se&gt; several enhancements to TimeStampResponseGenerator.</li>

<li>Dario Novakovic &lt;darionis&#064yahoo.com&gt; fix for NPE when checking revocation reason on CRL without extensions.</li>

<li>Michael Smith &lt;msmith@cbnco.com>; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.</li>

<li>Andrea Zilio &lt;andrea.zilio@gmail.com>; fix for PEM password encryption of private keys.</li>

<li>Alex Birkett &lt;alex@birkett.co.uk>; added support for EC cipher suites in TLS client (RFC 4492) [BJA-291].</li>

<li>Wayne Grant &lt;waynedgrant@gmail.com>; additional OIDs for PKCS10 and certificate generation support.</li>

<li>Frank Cornelis &lt;info@frankcornelis.be>; additional support classes for CAdES, enhancements to OCSP classes.</li>

<li>Jan Dittberner &lt;jan@dittberner.info>; addHeader patch for SMIME generator.</li>

<li>Bob McGowan &lt;boab.mcgoo@btinternet.com>; patch to support different object and mgf digests in PSS signing.</li>

<li>Ivo Matheis &lt;i.matheis@seeburger.de>; fix to padding verification in ISO-9796-1.</li>

<li>Marco Sandrini &lt;nessche@gmail.com>; patch to add IV to ISO9797Alg3Mac.</li>

<li>Alf Malf &lt;alfilmalf@hotmail.com>; removal of unnecessary limit in CMSContentInfoParser.</li>

<li>Alfonso Massa &lt;alfonso.massa@insiel.it>; contributions to CMS time stamp classes.</li>

<li>Giacomo Boccardo &lt;gboccardo@unimaticaspa.it>; initial work on CMSTimeStampedDataParser.</li>

<li>Arnis Tartu &lt;arnis@ut.ee>; patches for dealing with OIDs with specific key sizes associated in CMS.</li>

<li>Janusz Sikociski &lt;J.Sikocinski@gdzie.pl>; addition of Features subpacket support to OpenPGP API.</li>

<li>Juri Hudolejev &lt;jhudolejev@gmail.com>; JavaDoc fix to CMSSignedDataParser.</li>

<li>Liane Velten &lt;liane.velten@hjp-consulting.com>; fine tuning of code for DHParameters validation.</li>

<li>Shawn Willden &lt;swillden@google.com>; additional functionality to PGPKKeyRing.</li>

<li>Atanas Krachev &lt;akrachev@gmail.com>; added support for revocation signatures in OpenPGP.</li>

<li>Mickael Laiking &lt;mickael.laiking@keynectis.com>; initial cut of EAC classes.</li>

<li>Tim Buktu &lt;tbuktu@hotmail.com>; Initial implementation of NTRU signing and encryption.</li>

<li>Bernd &lt;rbernd@gmail.com>; Fix for open of PGP literal data stream with UTF-8 naming.</li>

<li>Steing Inge Morisbak &lt;stein.inge.morisbak@BEKK.no>; Test code for lower case Hex data in PEM headers.</li>

<li>Andreas Schmid &lt;andreas.schmid@tngtech.com>; Additional expiry time check in PGPPublicKeys.</li>

<li>Phil Steitz &lt;phil.steitz@gmail.com>; Final patch eliminating JCE dependencies in the OpenPGP BC classes.</li>

<li>Ignat Korchagin &lt;ignat.korchagin@gmail.com>; Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002.</li>

<li>Petar Petrov &lt;p.petrov@bers-soft.com>; Testing and debugging of UTF-8 OpenPGP passwords.</li>

<li>Daniel Fitzpatrick &lt;daniel.f.nwr@gmail.com>; Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.</li>

<li>Andy Neilson &lt;Andy.Neilson@quest.com>; a further patches to deal with multiple providers and PEMReader.</li>

<li>Ted Shaw &lt;xiao.xj@gmail.com>; patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.</li>

<li>Eleriseth &lt;Eleriseth@WPECGLtYbVi8Rl6Y7Vz12Lv2EUVW99v3yNV3IWROG8.fms>; speed up for SIC/CTR mode. Provider compatibilty generalisations for EC operations.</li>



<li>Kenny Root &lt;kenny@the-b.org>; patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.</li>

<li>Maarten Bodewes &lt;maarten.bodewes@gmail.com>; initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.</li>

<li>Philip Clay &lt;pilf\_b@yahoo.com>; Initial implementation of J-PAKE.</li>

<li>Brian Carlstrom &lt;bdc@carlstrom.com>; compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.</li>

<li>Samuel Lid&eacute;n Borell &lt;samuel@primekey.se>; patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder</li>

<li>Sergio Demian Lerner &lt;sergiolerner@certimix.com>; pointing out isInfinity issue in ECDSASigner signature verification.</li>

<li>Tim Whittington &lt;Tim.Whittington@orionhealth.com>; patch to remove extra init call in CMac, additional of Memoable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDBCrypt, PGP API documentation and code quality work.</li>

<li>Marcus Lundblad &lt;marcus.lundblad@primekey.se>; patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimestampTokenGenerator, additional extensions enhancement for time stamp token generation.</li>

<li>Andrey Zhozhin &lt;zhozhin@xrm.ru>; patch for override of TSP SignerInfo attributes.</li>

<li>Sergey Tiunov &lt;t5555d@gmail.com>; initial cut of DVCS classes.</li>

<li>Damian Kolasa &lt;fatfredy@gmail.com>; ASN1Sequence patch for class cast issue in X9Curve.</li>

<li>Ash Hughes &lt;ashley.hughes@blueyonder.co.uk>; patches for supporting PGPSecretKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().</li>

<li>Daniel Hirscher &lt;dev@daniel-hirscher.de>; patch to support parsing of explicit EC parameters in PEM files.</li>

<li>Daniele Ricci &lt;daniele.athome@gmail.com>; initial implementation of EC keys for OpenPGP and RFC6637 support.</li>

<li>Matti Aarnio &lt;matti.aarnio@methics.fi>; tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes, addition of NONEwithRSA to lightweight RSADigestSigner.</li>

<li>Babak Najafi &lt;bnajafi@akamai.com>; fixes to OpenPGP NotationData to prevent truncation problems.</li>

<li>Eric Mueller &lt;eric.mueller@sage.de>; additional standard algorithm name lookups in JcaPEMKeyConverter.</li>

<li>Mathias Herberts &lt;Mathias.Herberts@gmail.com>; fix to inOff usage in RFC3394WrapEngine.</li>

<li>Daniil Ivanov &lt;daniil.ivanov@gmail.com>; addition of provider support for GOST HMAC SecretKeyFactory.</li>

<li>Daniele Grasso &lt;daniele.grasso86@gmail.com>; contributions to final Key calculation code for SRP6.</li>

<li>Andrey Utkin &lt;cindrhc@gmail.com>; patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.</li>

- <li>Arnis Tartu &lt;arnis&#064ut.ee&gt; checker for generated key vs OID in JceCMSContentEncryptorBuilder.</li>
- <li>AxelVDB &lt;axel-vdb&#064riseup.net&gt; initial implementation of Shacal2.</li>
- <li>Roberto Tyley &lt;&gt; further work on completing gradle build.</li>
- <li>Waldemar Dick &lt;wdick&#064devmue.de&gt; code improvement in x500 ASN.1 package.</li>
- <li>Sid Steward &lt;sid.steward&#064pdflabs.com&gt; code improvements to ASN1Boolean.</li>
- <li>Alex Klyubin &lt;klyubin&#064google.com&gt; AlgorithmParameters check for EC key agreement.</li>
- <li>Jonathan Gillett &lt;gsoc.student&#064gmail.com&gt; Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.</li>
- <li>Andreas Reiter &lt;andreas.reiter&#064iaik.tugraz.at&gt; Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.</li>
- <li>Kieran Miller &lt;kieran.miller&#064gmail.com&gt; initial implementation for RFC 5649 key wrap with padding.</li>
- <li>Oliver Ehli&lt;ehli&#064arago.de&gt; Additional support for BSI plain ECDSA in the provider.</li>
- <li>Daniel Heldt&lt;Daniel.Heldt&#064cryptovision.com&gt; Initial support for encodable state message digests</li>
- <li>Robert Bushman &lt;bouncycastle&#064traxel.com&gt; Clean up of DirectKeySignature example.</li>
- <li>Maurice Aarts&lt;aarts&#064riscure.com&gt; updated to KDF generator to follow NIST SP 800-108.</li>
- <li>Franziskus Kiefer&lt;https://github.com/franziskuskiefer&gt; initial implementation of Cramer-Shoup.</li>
- <li>KB Sriram&lt;mail\_kb&#064yahoo.com&gt; testing for odd encodings for PGP User Attribute Subpackets.</li>
- <li>Marco Schulze&lt;marco&#064nightlabs.de&gt; Reported verification bug in GenericSigner.</li>
- <li>Martin Schaefer&lt;https://github.com/martinschaefer&gt; contributed a code-cleanup patch.</li>
- <li>dstutz&lt;https://github.com/dstutz&gt; added iteration count setters to PKCS#12 PBE mac/key generator builders.</li>
- <li>Tobias Wich&lt;tobias.wich&#064ecsec.de&gt; Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.</li>
- <li>Hauke Mehrtens&lt;hauke&#064hauke-m.de&gt; TLS patch to add ECDHE\_ECDSA CCM ciphersuites from RFC 7251.</li>
- <li>Daniel Zimmerman&lt;dmz&#064galois.com&gt; Further key quality improvements to RSAKeyPairGenerator.</li>
- <li>Jens Kapitzka&lt;j.kapitzka&#064schwarze-allianz.de&gt; Iterable support in OpenPGP API, code cleanup in OpenPGP API.</li>
- <li>Johan Eklund&lt;johan&#064primekey.se&gt; update to RFC 6960 for OCSPObjectIdentifiers.</li>
- <li>nikosn&lt;https://github.com/nikosn&gt; Fix to encoding of EC private keys to ensure encoding matches order length.</li>
- <li>Axel von dem Bruch &lt;axel-vdb&#064riseup.net&gt; Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2bDigest.</li>
- <li>Derek Atkins &lt;derek&#064ihtfp.com&gt; Documentation fixes to X9ObjectIdentifiers.</li>
- <li>Peter Jr Halicky &lt;peto&#064halicky.sk&gt; Correction to notification/error message handling in SignedMailValidator.</li>
- <li>lartiguePierre&lt;https://github.com/lartiguePierre&gt; Fix for counter signature SID in CMSSignedData.</li>
- <li>Thomas Belot&lt;thomas.belot+BC&#064gmail.com&gt; initial CertPathLoopTest for demonstrating stack overflow issue.</li>
- <li>Rich DiCroce&lt;https://github.com/rdicroce&gt; Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.</li>
- <li>Bj&ouml;rn Kautler&lt;https://github.com/Vampire&gt; Refinements to cert path validation (authority key addition, certificate order preservation).</li>

- <li>Dominik Sch&uuml;rman&lt;https://github.com/dschuermann&gt; method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in PGPSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.</li>
- <li>Michael &lt;MSKnete&#064web.de&gt; initial fix for bitStrength issue for OpenPGP EC keys, correction for generic type on RecipientInformationStore.</li>
- <li>Tobias Wagner &lt;tobias.wagner&#064n-design.de&gt; Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].</li>
- <li>Sergio Giro &lt;sgiro&#064google.com&gt; Fixed adding of additional stores from CRL distribution point [#BJA-537]. Fixed missing null check for CRL certificate issuer [#BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBEKeys that require it.</li>
- <li>bschuette&lt;https://github.com/bschuette&gt; Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSSignedDataParser.</li>
- <li>Leonard Dallot&lt;https://github.com/dallotTazTag&gt; Fix to S2K usage of none on changing passwords on keys without passwords originally.</li>
- <li>Jan Willem Janssen &lt;j.w.janssen+bouncycastle&#064lxtreme.nl&gt; Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.</li>
- <li>Sebastian Oerding &lt;sebastian.oerding@robotron.de&gt; Fixes to toString() in x509.CertificatePolicies.</li>
- <li>Kai Kramer &lt;kai.kramer&#064gmail.com&gt; Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.</li>
- <li>Benoit Charles &lt;benoit.charles&#064opentrust.com&gt; Fix for IES data length check on decryption.</li>
- <li>Niko &lt;nfink95&#064gmail.com&gt; fix to cast issue in getOutputSize() for ECIES.</li>
- <li>akwizgran&lt;https://github.com/akwizgran&gt; Fixed clone of key in Blake2bDgest copy constructor, blake2b reset issue for variant keys.</li>
- <li>Matthias Edelhoff &lt;Matthias.Edelhoff&#064cryptovision.com&gt; BasicConstraintsValidation pathlen fix in PKIX certpath classes.</li>
- <li>Lukasz Deputat &lt;lukasz.deputat&#064gmail.com&gt; Fixed bugs in TlsUtils read methods [#BJA-592].</li>
- <li>Justin Ludwig &lt;https://github.com/justinludwig&gt; Iterator fix for PGPObjectFactory to handle stream packets at start of iterated data.</li>
- <li>Andr&eacute; Berenguel &lt;https://github.com/aberenguel&gt; Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi</li>
- <li>Slawomir Jaranowski&lt;https://github.com/slawekjaranowski&gt; Patch to make cipher/hash/signature name methods in PGP internal API public.</li>
- <li>Andrey Vasilyev&lt;https://github.com/andrey-vasilyev&gt; Initial implementation of GOST R 34.11-2012.</li>
- <li>William Glanton &lt;wglanton77&#064gmail.com&gt; Fixed bug in Poly1305 [#BJA-620].</li>
- <li>jdvorak001&lt;https://github.com/jdvorak001&gt; Speed improvements for ASN.1 ObjectIdentifier cache.</li>
- <li>Joseph Naegele &lt;jnaegele&#064grierforensics.com&gt; Patch for handling multiple certificates in a DANE SMIMEA entry.</li>
- <li>Andrew Bonventre&lt;https://github.com/andybons&gt; NullPointer patch for WNafUtil.</li>
- <li>The Google Security Team (Project Wycheproof) &lt;https://github.com/google/wycheproof&gt; defect analysis and additional test cases for the provider.</li>
- <li>Gorka Irazoqui &lt;girazoki&#064wpi.edu&gt; from Intel Security Center of Excellence &lt;https://security-center.intel.com/&gt; detection of the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine and finding cache sensitivities in EC key generation/signing.</li>
- <li>Joerg Senekowitsch &lt;joerg.senekowitsch&#064veridos.com&gt; patch to deal with hard coded boolean in EAC ECDSAPublicKey.</li>
- <li>Alexandr Krivoshta &lt;wipe&#064ya.ru&gt; N4 calculation fix to GOFB mode.</li>
- <li>Artem Storozhuk &lt;storajs72&#064gmail.com&gt; N4 calculation fix to GOFB mode.</li>

<li>Na Yu &lt;na.yu@#064samsung.com>; Constructor patches to CMC PKIData.</li>  
<li>Evangelos Karatsiolis &lt;ekaratsiolis@#064mtg.de>; Corrected use of explicit tagging in X.509 PolicyConstraints class.</li>  
<li>VivleSoren &lt;https://github.com/VivleSoren>; additional constructor for McElieceCCA2PrivateKeyParameters.</li>  
<li>mtausig &lt;https://github.com/mtausig>; JavaDoc fix for MCSEncryptedDataGenerator.</li>  
<li>Anders Schack-Mulligen &lt;https://github.com/aschackmull>; code cleanups for CMSSignedDataParser, BrokenKDF2BytesGenerator.</li>  
<li>Sebastian Wolfgang Roland &lt;sebastianwolfgang.roland@#064stud.tu-darmstadt.de>; Initial XMSS/XMSS-MT implementation.</li>  
<li>didisoft &lt;https://github.com/didisoft>; test code for PGP signature removal involving user ids.</li>  
<li>Mike Safonov&lt;https://github.com/MikeSafonov>; initial implementation of GOST3410-2012 for light weight provider and JCA, parameters patches for ECGOST keys, initial implementation of GOST3412-2015, addition of fromExtensions() for CRLDistPoint.</li>  
<li>Artem Storozhuk &lt;storojs72@#064gmail.com>; initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.</li>  
<li>Andreas Glaser &lt;andreas.glaser@#064gi-de.com>; patch to recognise ANSSI curves for PKCS#10 requests.</li>  
<li>codeborne &lt;https://github.com/cbxp>; patch to correct OIDs used in public key digest parameters for ECGOST-2012.</li>  
<li>FauxFaux &lt;https://github.com/FauxFaux>; patch for JDK 1.9 update to DRBG.java.</li>  
<li>4garbage &lt;https://github.com/4garbage>; patch to allow GOST3410-94 private keys encoded as integers.</li>  
<li>ekszz &lt;https://github.com/ekszz>; corrections to SM2 signer to include default identity value.</li>  
<li>jminer &lt;https://github.com/jminer>; fix to Blake2b for hashes in range of 2\*\*64-127 to 2\*\*64.</li>  
<li>str4d &lt;https://github.com/str4d>; initial implementation of Blake2s</li>  
<li>Scott Woodward &lt;scott@#064bit3consulting.com>; performance fixes for CTRSP800DRBG.</li>  
<li>David Strawn &lt;https://github.com/isomarcte>; fix for off by one error in SCRYPT bounds checking.</li>  
<li>chris mccown &lt;0xchrismccown@#064gmail.com>; identification of serialisation issue with XMSS/XMSSMT private keys (see also CVE-2018-1000613).</li>  
<li>ZZMarquis &lt;https://github.com/ZZMarquis>; offset patches for SM2 encryption and decryption, improvement to Array constant time comparison.</li>  
<li>Andreas Kretschmer &lt;https://github.com/Akretsch>; NPE fix for CertTemplate.getVersion()</li>  
<li>Armin Lunkeit, Michael Tautenhahn &lt;>; identification of M-R test issue on higher certainty values in RSA key pair generation.</li>  
<li>Vincent Breitmoser &lt;https://github.com/Valodim>; fix to ignore unnecessary checksum calculator on PGP secret key encryption.</li>  
<li>Adam Vartanian &lt;https://github.com/flooeey>; use of ShortBuffer exception and buffer size pre-check in Cipher.doFinal().</li>  
<li>Bernd &lt;https://github.com/ecki>; Fix to make PGPUtil.pipeFileContents use buffer and not leak file handle.</li>  
<li>Shartung &lt;https://github.com/shartung>; Additional EC Key Agreement algorithms in support of German BSI TR-03111.</li>  
<li>Paul Schaub &lt;https://github.com/vanitasvitae>; bringing PGPSecretKey.getUserIds() into line with PGPPublicKey.getUserIds(). Exception message fix in BcPublicKeyDataDecryptorFactory. Additional tests on PGP key ring generation.</li>  
<li>Nick of Nexxar &lt;https://github.com/nros>; update to OpenPGP package to handle a broader range of EC curves.</li>

- <li>catbref &lt;https://github.com/catbref&gt; sample implementation of RFC 7748/Ed25519 (incorporated work from github users Valodim and str4d as well).</li>
- <li>gerlion &lt;https://github.com/gerlion&gt; detection of concurrency issue with pre-1.60 EC math library.</li>
- <li>fgrieu &lt;fgrieu@#064gmail.com&gt; identification and suggested fixes for possible timing vulnerability in OAEP encoding and RSACoreEngine.</li>
- <li>MTG &lt;https://github.com/mtgag&gt; patch for decoding issues in PKIPublicationInfo and CertifiedKeyPair.</li>
- <li>Andreas Gadermaier &lt;up.gadermaier@#064gmail.com&gt; initial version of Argon2 PBKDF algorithm.</li>
- <li>Tony Washer &lt;tony.washer@yahoo.co.uk&gt; review of qTesla, Java 1.9 module code, additional test code and debugging for GOST, DSTU, and ECNR algorithms. Initial lightweight implementation of the ZUC ciphers and macs.</li>
- <li>Vincent Bouckaert &lt;https://github.com/veebee&gt; initial version of RFC 4998 ASN.1 classes.</li>
- <li>Tony Washer &lt;https://github.com/tonywasher&gt; ECIESKeyEncapsulation fix for use of OldCofactor mode. Submitted ChaCha20Poly1305 prototype.</li>
- <li>Aurimas Liutikas &lt;https://github.com/liutikas&gt; JavaDoc patches to ReasonsMask.</li>
- <li>Gabriel Sroka &lt;https://github.com/gabrielsroka&gt; corrected comments in RSA validation.</li>
- <li>sarah-mdv &lt;https://github.com/sarah-mdv&gt; improvements to JceKeyTransRecipientInfoGenerator, tests for JournalingSecureRandom, initial implementation of JournaledAlgorithm.</li>
- <li>Jesse Feinman &lt;https://github.com/jessefeinman&gt; performance optimisation in RSAKeyParameters.</li>
- <li>Gilis95 &lt;https://github.com/Gilis95&gt; improved JSSE compatibility for setEnabledCipherSuites.</li>
- <li>Haemin Yoo &lt;https://github.com/yoohaemin&gt; Javadoc fixes.</li>
- <li>Antoine Toulme &lt;https://github.com/atoulme&gt; Initial implementation of EthereumIESEngine.</li>
- <li>Golden Looly &lt;https://github.com/looly&gt; Patch for addition of C1C3C2 mode to SM2Engine.</li>
- <li>Moses Palm&eacute;r, TrueSec &lt;Henrik.Palmer@#064truesec.se&gt; Additional improvements to constant time comparisons.</li>
- <li>Ren&eacute; Korthaus&lt;https://github.com/securitykernel&gt; Update to XMSS/XMSS^MT OID values to bring them in line with RFC 8391.</li>
- <li>THausherr&lt;https://github.com/THausherr&gt; Addition generic support for CMS/TSP functions.</li>
- <li>Gaylor Bosson&lt;https://github.com/Gilthoniel&gt; Initial implementation of Blake2xs.</li>
- <li>gaellalire&lt;https://github.com/gaellalire&gt; Patch for unprotected PGP private keys as SExpr.</li>
- <li>im-scooter&lt;https://github.com/im-scooter&gt; Patch for case-insensitive behaviour of Param-Z.</li>
- <li>Nick hitchan&lt;https://github.com/hitchan&gt; Fix for typo in engineInitSign() in EdEc SignatureSpi.</li>
- <li>dbusche&lt;https://github.com/dbusche&gt; Argon2 optimisations.</li>
- <li>Daniel Heldt&lt;https://github.com/dheldt&gt; Fixing encodings in unicode tests to allow a wider range of Java compilers to work. Tweak to inheritance in JceKeyAgreeRecipient.</li>
- <li>Ugochukwu Mmaduekwe&lt;https://github.com/Xor-el&gt; Fix for initially bugged legacy Integers.numberOfLeadingZeros method.</li>
- <li>Gsealy &lt;https://github.com/Gsealy&gt; addition of PBKDF2withHmacSM3 to the provider.</li>
- <li>aphuang2013 &lt;https://github.com/aphuang2013&gt; update to path validation in EST service for ClearPath EST.</li>
- <li>Kevin Herron &lt;https://github.com/kevinherron&gt; Initial ChaCha20Poly1305 prototype.</li>
- <li>vkreml &lt;https://github.com/svkreml&gt; GOST compliance change for DefaultCMSSignatureEncryptionAlgorithmFinder.</li>
- <li>Tobias Ospelt &lt;tobias@#064pentagrid.ch&gt; Identification of 1.63 regression in ASN.1 parsing.</li>

</ul>

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## 1.407 metrics 2.2.0

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# 1.408 bouncy-castle 1.61

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Bihari Babu

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The following people donated financially to help with the release of 1.60:

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Jens Neuhalfen and perillamint.

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Brian Reid.

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href="https://www.primekey.com/">PrimeKey</a> towards developing the EST API for RFC 7030 support.

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Organisations

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<ul>

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<li><a href="http://www.atlassian.com/">Atlassian Software Systems</a> donation of Confluence and JIRA licences.</li>

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<li>Voxeo Labs - sponsorship of the initial development of APIs for DTLS 1.0 (RFC 4347), DTLS-SRTP key negotiation (RFC 5764), and server side TLS 1.1 (RFC 4346) and tested WebRTC compatibility. More information on Voxeo Labs can be found at <a href="http://voxeolabs.com">http://voxeolabs.com</a></li>

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developing the TLS API and JSSE provider that appeared in 1.56.</li>  
<li>Additional CertPath testing and validation data from the CertPath testing tool developed by <a href="https://www.cryptosource.de">cryptosource GmbH</a> and <a href="https://www.mtg.de">media Transfer AG</a> both located in Darmstadt, Germany.</li>  
<li><a href="https://www.microfocus.com/">Micro Focus</a> - additional support towards further developing the TLS/DTLS API and the BCJSSE provider.</li>  
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People  
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<ul>  
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<li>Michael Lee &lt;yfl&#064;mira.net&gt; - initial RC6 implementation, MD2 implementation</li>  
<li>Nuno Santos &lt;nsantos&#064;student.dei.uc.pt&gt; - finding toString bug in certificate object.</li>  
<li>Brett Sealey &lt;bretts&#064;mortbay.com&gt; - fixing the missing return problem in JDKKeyFactory (affected SSLeay private keys).</li>  
<li>Victor A. Salaman &lt;salaman&#064;teknos.com&gt; - fixing the bug in Cipher.java which caused it to ignore specified providers, fixing the bug in RSAKeyGenerator which caused keys to be occasionally produced 1 bit too small.</li>  
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<li>Jonathan Knudsen &lt;jonathan&#064;LearningPatterns.com&gt; - porting information and restrictions when using the lightweight library with the MIDP environment.</li>  
<li>Markus Niedermann &lt;markus.niedermann&#064;softwired-inc.com&gt; - porting information and restrictions when using the lightweight library with the MIDP environment.</li>  
<li>Mike Benham &lt;moxie&#064;thoughtcrime.org&gt; - detection and fixing of an incorrect weak key in the DES key generation support classes. Suggestions for simplifying DESedeParameter objects. Optimisations for the Blowfish engine and BufferedBlockCipher class.</li>  
<li>Soren Hilmer &lt;hilmer&#064;mail.tele.dk&gt; - initial implementation of netscape certificate request classes.</li>  
<li>Uwe Guenther &lt;uwe&#064;csc.de&gt; - detection and fixing of 3 incorrect semi-weak keys in the DES key generation support classes.</li>  
<li>Markus Bradtke &lt;mab&#064;informatik.uni-kiel.de&gt; - fixing of a logic error in the JDKKeyStore class.</li>  
<li>Waclaw Sierek &lt;waclaw.sierek&#064;tpg.pl&gt; - fix to setOddParity in the DESParameter class. Assistance with adding ordering to X509 names for certificate generation, proper processing of byte strings in the ASN1 package, further simplifications and additional classes to improve pkcs7 support, bug fixes in CertPath API.</li>  
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<li>Carmen Bastiaans &lt;cbastiaa&#064;microbits.com.au&gt; - fixing the improper

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<li>Tomas Gustavsson <mailto:tomasg@primekey.se>; - initial implementation of the AuthorityInformationAccess, SubjectKeyIdentifier, AuthorityKeyIdentifier, CRLNumber, CRLReason, CertificatePolicies, V2TBSCertListGenerator, and X509V2CRLGenerator classes in the ASN.1 library. Additions to GeneralName class, other bug fixes in the X.509 package. Initial implementation of the CertificationRequest classes. getRevocationReason() patch for OCSP. Patch to SemanticsInformation to prevent ClassCastException.</li>  
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- <li>Justin Kolb &lt;a href="mailto:jkolb@pristx.com">&#064pristx.com&gt; - patch to DSA signature generation in OpenPGP. Fix for the unexpected "Unexpected end of ZLIB input stream" exception.</li>
- <li>Ralf Hauser &lt;a href="mailto:ralfhauser@gmx.ch">&#064gmx.ch&gt; - patch to exception handling in PublicKeyRing, PEMReader, 1.4 build script, X509 Certificate Factory, CertPathValidatorUtilities, fromAddress null check in SignedMailValidator, ReadOnceInputStream testing utility in MIME tests.</li>
- <li>Michal Dvorak &lt;a href="mailto:M\_Dvorak@kb.cz">&#064kb.cz&gt; - getNextUpdate patch for OCSP SingleResp.</li>
- <li>Klaus Greve Fiorentini &lt;a href="mailto:Klaus@cpqd.com.br">&#064cpqd.com.br&gt; - array fix in PGP PublicKeyEncSessionPacket.</li>
- <li>Olivier Refalo &lt;a href="mailto:Olivier\_Refalo@fpl.com">&#064fpl.com&gt; - null pointer exception fix for JDK 1.3 CMSSignedData objects.</li>
- <li>Mariusz Bandola &lt;a href="mailto:mariusz.bandola@cryptotech.com.pl">&#064cryptotech.com.pl&gt; - patch to DERGeneralizedTime. Compliance patch for OCSP TBSRequest class. Patch to X509Name for dealing with general objects in sequences.</li>
- <li>Brien Oberstein &lt;a href="mailto:brien.oberstein@transacttools.net">&#064transacttools.net&gt; - patch to S2K algorithm in OpenPGP, initial PGP version 3 secret key support, initial PGP version 3 signature generation, RIPEMD160 addition to PGPUtil.</li>
- <li>Ian Haywood &lt;a href="mailto:ian@haywood.bpa.nu">&#064haywood.bpa.nu&gt; - addition of getSignatureType to PGPSignature.</li>
- <li>Jonathan Edwards &lt;a href="mailto:s34gull@mac.com">&#064mac.com&gt; - initial support for reading multiple rings from a PGP key file.</li>
- <li>Andrew Thornton &lt;a href="mailto:andrew@caret.cam.ac.uk">&#064caret.cam.ac.uk&gt; - patch for RSA PUBLIC KEY in PEMReader.</li>
- <li>Gregor Leander &lt;a href="mailto:gl@bos-bremen.de">&#064bos-bremen.de&gt; - initial parsing of multiple sequence entries in an X.509 Name.</li>
- <li>Antoon Bosselaers &lt;a href="mailto:Antoon.Bosselaers@esat.kuleuven.ac.be">&#064esat.kuleuven.ac.be&gt; - help with RipeMD320 implementation.</li>
- <li>Peter Sylvester &lt;a href="mailto:Peter.Sylvester@edelweb.fr">&#064edelweb.fr&gt; - improvements to the ASN.1 BasicConstraints object.</li>
- <li>Doug &lt;a href="mailto:ummmmm@myrealbox.com">&#064myrealbox.com&gt; - addition of isEncryptionKey method to OpenPGP public keys.</li>
- <li>Francois Staes &lt;a href="mailto:fstaes@netconsult.be">&#064netconsult.be&gt; - improvements to DEBitString, DERGeneralizedTime and initial implementation of DERGeneralString, addition of settable signed object info to CMSSignedDataGenerator, patch to DH key agreement.</li>
- <li>W.R. Dittmer &lt;a href="mailto:writtmer@cs.vu.nl">&#064cs.vu.nl&gt; - patch to decoding of SignatureCreationTime in BCPG. Patch to PGPPKeyPair to fix nullpointer exception.</li>
- <li>Perez Paz Luis Alberto &lt;a href="mailto:laperez@banxico.org.mx">&#064banxico.org.mx&gt; - patch to use of BitString in X.509 name.</li>
- <li>James Wright &lt;a href="mailto:James\_Wright@harte-hanks.com">&#064harte-hanks.com&gt; - patches for dealing with "odd" ArmoredInputStreams.</li>
- <li>Jim Ford &lt;a href="mailto:jim@muirford.com">&#064muirford.com&gt; - patch to PGPSecretKey to avoid null pointer exception on encoding secret keys, comments on KeyExpirationTime, getBitStrength for ElGamal keys. Signature creation time patch for newly created v4 signatures.</li>
- <li>Michael Hausler &lt;a href="mailto:haeusler@ponton-consulting.de">&#064ponton-consulting.de&gt; - extra aliases for provider.</li>
- <li>Sai Pullabhotla &lt;a href="mailto:psai@linoma.com">&#064linoma.com&gt; - fix to PGP compressed data generator to improve compression levels. Performance improvements for KeyBasedLargeFileProcessor.</li>
- <li>Joseph Miller &lt;a href="mailto:joseph@digweb.net.nz">&#064digweb.net.nz&gt; - addition of ZeroBytePadding.</li>



- <li>Lars &lt;xyz@#064sagemdenmark.dk&gt; - patch to explicit padded mode for CBC block cipher MAC.</li>
- <li>Jeroen van Vianen &lt;jeroen@#064vanvianen.nl&gt; - the Signed and Encrypted mail example.</li>
- <li>Jun Sun &lt;JSun@#064diversinet.com&gt; - patch to SecureRandom to work around problem in wtk 1.0.4 and wtk 2.1.</li>
- <li>Petr Dukem &lt;pdukem@#064email.cz&gt; - patch to CMSSignedDataGenerator to allow it to work with PKCS11 providers.</li>
- <li>Filipe Silva &lt;filipe.silva@#064wedoconsulting.com&gt; - patch to fix overread issue in BCPGInputStream.</li>
- <li>Alpesh Parmar &lt;alps@#064linuxmail.org&gt; - patch for class cast problem in PGPPublicKey.getSignatures().</li>
- <li>Jay Gengelbach &lt;jgengelbach@#064webmethods.com&gt; - patch to fix isSigningKey in PGPSecretKey class, patch to hashedPackets in PGP signatureGenerator, initial cut for indefinite length output.</li>
- <li>Doug &lt;doug@#064tigerprivacy.com&gt; - public key ring patches for ElGamal Signatures, problem key ring data.</li>
- <li>Matthew Mundy &lt;mmundy1@#064umbc.edu&gt; - infinite loop prevention patch to PKCS5S2ParametersGenerator.</li>
- <li>Tom Cargill &lt;cargill@#064profcon.com&gt; - spelling patch in provider.</li>
- <li>Breitenstrom Christian &lt;C.Breitenstrom@#064t-systems.com&gt; - compatibility patch to SignaturePacket, DetachedSignatureProcessor.</li>
- <li>Zanotti Mirko &lt;zanotti@#064cad.it&gt; - patch to ordered equality test for X509Name.</li>
- <li>Nicola Scendoni &lt;nscendoni@#064babelps.it&gt; - patch to add sorting to CertPath validation.</li>
- <li>Ville Skytt&#228uml; &lt;ville.skytta@#064iki.fi&gt; - patch to CRLDistPoint for cRLIssuer field. KeyStore compliance on add patches. DiffieHellman patch for provider compliance. Support for PEM object "TRUSTED CERTIFICATE". Exception handling patch in PEMReader. JavaDoc clean up.</li>
- <li>Bruce Gordon &lt;bruce.gordon@#064savvis.net&gt; - patch to secret key creation encoding NullPointerException in OpenPGP, speed up for BCPGInputStream.</li>
- <li>Miles Whiteley &lt;Miles.Whiteley@#064savvis.net&gt; - "223" fix for BCPGInputStream new packets.</li>
- <li>Albert Moliner &lt;amoliner@#064evintia.com&gt; - initial TSP implementation.</li>
- <li>Carlos Lozano &lt;carlos@#064evintia.com&gt; - initial TSP implementation, patch to SignerInformation for supporting repeated signers, initial updates for supporting repeated attributes in CMS.</li>
- <li>Javier Delgado &lt;javi@#064javi.codewarp.org&gt; - initial Mozilla PublicKeyAndChallenge classes.</li>
- <li>Joni Hahkala &lt;joni.hahkala@#064cern.ch&gt; - initial implementations of VOMS Attribute Certificate Validation, IetfAttrSyntax, and ObjectDigestInfo. We also wish to thank the <a href="http://www.eu-egee.org">EGEE project</a> for making the work available.</li>
- <li>Rolf Schillinger &lt;rolf@#064sir-wum.de&gt; - initial implementation of Attribute Certificate generation.</li>
- <li>Sergey Bahtin &lt;Sergey\_Bahtin@#064yahoo.com&gt; - fix for recovering certificate aliases in BKS and UBER key stores. Initial implementations of GOST-28147, GOST-3410, EC GOST-3410, GOST OFB mode (GOFB) and GOST-3411.</li>
- <li>Franck Leroy &lt;Franck.Leroy@#064keynectis.com&gt; - ANS.1 set sorting. Contributions to TSP implementation. Test vectors for Bleichenbacher's forgery attack.</li>
- <li>Atsuhiko Yamanaka &lt;ymnk@#064jcraft.com&gt; - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.</li>
- <li>Nikolay Bolshakov &lt;tyrex@#064reksoft.ru&gt; - patch for class cast exception in AuthorityInformationAccess class.</li>
- <li>Soren Hilmer &lt;soren.hilmer@#064tietoenator.com&gt; - patches for CertID with issuerSerial set in TSP implementation, additional compliance testing.</li>
- <li>Steve Mitchell &lt;mitchell@#064intertrust.com&gt; - patch for stateful path validator fix. Patch to allow BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for

asymmetric/symmetric encryption in OpenPGP.

Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.</li>

<li>Dirk Eisner &lt;D.Eisner@seeburger.de>; - initial implementation of ISO 78164-4 padding.</li>

<li>Julien Pasquier &lt;julienpasquier@free.fr>; - initial implementation of attribute classes from RFC 3126.

Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.</li>

<li>Matteo &lt;matartuso@libero.it>; - sequence patch to ASN1Dump.</li>

<li>Andrew Paterson &lt;andrew.paterson@burnsecs.com>; - patches to PGP tools, isRevoked method on PGPPublicKey.</li>

<li>Vladimir Molotkov &lt;vladimir.n.molotkov@intel.com>; - extensive provider exception handling compliance testing.</li>

<li>Florin Kollan &lt;adlocflo@web.de>; - fix to ElGamalKeyParameters equality testing.</li>

<li>Pavel Vassiliev &lt;paulvas@gmail.com>; - Initial GOST28147Mac implementation.</li>

<li>Tom Pesman &lt;tom@tinux.net>; - addition of DES-EDE encryption for RSAPrivate keys to PEMWriter.</li>

<li>Lukasz Kowalczyk &lt;lukasz.b.kowalczyk@gmail.com>; - patch to fix parsing issue with OpenSSL PEM based certificate requests.</li>

<li>Arndt Hasch &lt;Arndt.Hasch@maxence.de>; - additional fix for partial reading with new style PGP packets.</li>

<li>Fix Bernd (KCDP 11) &lt;bernd.fix@credit-suisse.com>; - fix for 31 byte issue and exception throwing by Whirlpool.</li>

<li>David M. Lee &lt;dmlee@crossroads.com>; - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.</li>

<li>Mike Dillon &lt;md5@embody.org>; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.</li>

<li>tu-vi cung &lt;t2cung@hotmail.com>; - patch for out of bounds problem in getDecoderStream method.</li>

<li>Chris Schultz &lt;cschultz@gmail.com>; - fix for InputStream constructor for X509V2AttributeCertificate.</li>

<li>David M. Lee &lt;dmlee@crossroads.com>; - implementation assistance with streaming CMS classes.</li>

<li>Joel Rees &lt;rees@ddcom.co.jp>; - fix to correct getOID methods from returning same set on X.509 attribute certificates.</li>

<li>Francesc Sau &lt;francesc.sau@partners.netfocus.es>; - micro fix for tsp Accuracy class.</li>

<li>Larry Bugbee &lt;bugbee@mac.com>; - initial ECNR implementation.</li>

<li>Remi Blancher &lt;Remi.Blancher@keynectis.com>; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.</li>

<li>Brian O'Rourke &lt;brianorourke@gmail.com>; - patch for signature creation time override in OpenPGP.</li>

<li>Andreas Schwier &lt;andreas.schwier@cardcontact.de>; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-EDE 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.</li>

<li>David Josse &lt;david.josse@transacttools.net>; - Patch for trailer function in version 2 signature packets.</li>

<li>Kishimoto Kazuhiko &lt;kazu-k@hi-ho.ne.jp>; - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.</li>

<li>Lawrence Tan &lt;lwrnctan@gmail.com>; - Large field OID sample test data. Missing key types in JDKKeyFactory.</li>

<li>Carlos Valiente &lt;superdupont&#064gmail.com&gt; - Addition of CRL writing to the PEMWriter class.</li>

<li>Keyon AG, Martin Christinat, <a href="http://www.keyon.ch">http://www.keyon.ch</a> - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.</li>

<li>Olaf Keller, &lt;olaf.keller.bc&#064bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.</li>

<li>J&ouml;rge Eichhorn &lt;eichhorn&#064ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputStream, support for F2m compression.</li>

<li>Karsten Ohme &lt;widerstand&#064t-online.de&gt; - initial check against for out of range data on non byte aligned RSA keys. Addition of equals/hashCode on ECCurve.Fp. Additional curve type support for Fp, contributions to F2m compression. F2m decoding for ECPointUtil. Infinity fix and prime192v2 fix for Fp. Extra validation for RSA key creation. Fix to name typos for some OpenSSL key generators. RFC-1779 table, improved RFC 2253 compliance for X509Name. Additional constructor validation for X.509/ESS ASN.1 classes. Validation for Printable, IA5, and Numeric Strings. Support for surrogate pairs in DERUTF8String, DER UTF8 test. Additional X.509 name attributes for ISIS-MTT, RFC 3039, addition of indirect CRL support, initial X509 LDAP CertStore implementation, CertificatePair class, and X509CertificatePair class. Contributions to X509Store/Parser infrastructure and design. CertPath support for implicit DSA parameters and a range of NameConstraints. Addition of support for V1 attribute certificates and attribute certificate path validation. Initial classes for ASN.1 ISIS-MTT support. Enhancements for improving compliance with the NIST CertPath tests.</li>

<li>Carlos Lozano Ruiz &lt;carlos&#064tradise.com&gt; - patch for &lt;ctrl&gt;&lt;m&gt; only handling in CRLFOutputStream.</li>

<li>John Alfred Prufrock &lt;j.a.prufrock&#064gmail.com&gt; - mods to GOST-3411 and MD2 to support ExtendedDigest.</li>

<li>Stefan Neusatz Guillhen &lt;sneusatz&#064gmail.com&gt; - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.</li>

<li>Marzio Lo Giudice &lt;marzio.logiudice&#064gmail.com&gt; - fix to endianness in KDF2BytesGenerator, additional KDF2 tests.</li>

<li>Georg Lippold &lt;georg.lippold&#064gmx.de&gt; - initial implementation of NaccacheStern cipher.</li>

<li>Chris Viles &lt;chris\_viles&#064yahoo.com&gt; - fix to SignatureSubpacket critical bit setting.</li>

<li>Pasi Eronen &lt;Pasi.Eronen&#064nokia.com&gt; - extra toString() support for ASN.1 library. Initial patch for large OID components.</li>

<li>Lijun Liao &lt;https://github.com/xipki&gt; performance enhancements for SHA family of digests. Bug report and patch for blank line handling in ArmoredInputStream. Addition of getSignatureAlgorithmID to BasicOCSPResp. Reset fix for SM2 signatures, performance improvements for SHA-3. Clean up of CMP EncryptedValueBuilder, additional functionality on PollReqContent. Bug fix for endianness issue in cSHAKE left encode method.</li>

<li>Maria Ivanova &lt;maria.ivanova&#064gmail.com&gt; - support for tags > 30 in ASN.1 parsing.</li>

<li>Armin H&auml;berling &lt;arminha&#064student.ethz.ch&gt; - first cut of internationalisation, initial PKIX validation classes.</li>

<li>Marius Schilder &lt;mschilder&#064google.com&gt; - main set of test vectors for Bleichenbacher's forgery attack.</li>

<li>Xavier Le Vourch &lt;xavier&#064brittanysoftware.com&gt; - general code clean ups.</li>

<li>Erik Tews &lt;e\_tews&#064cdc.informatik.tu-darmstadt.de&gt; - initial threaded random seed generator, constant-time PKCS#1.5 decoding</li>

<li>Thomas Dixon &lt;reikomusha&#064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.</li>

- <li>Frank Cornelis &lt;info#064frankcornelis.be&gt;- addition of crlAccessMethod in X509ObjectIdentifiers.</li>
- <li>Rui Joaquim &lt;rjoaquim#064cc.isel.ipl.pt&gt; - initial implementation of RSA blinding for signatures.</li>
- <li>David Stacey &lt;DStacey#064allantgroup.com&gt; - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.</li>
- <li>Martijn Brinkers &lt;list#064mitm.nl&gt; - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.</li>
- <li>Julius Davies &lt;juliusdavies#064gmail.com&gt; - additional modes and algorithm support in PEMReader</li>
- <li>Matthias &lt;g#064rtner.de&gt; - GnuPG compatibility changes for PBEFileProcessor.</li>
- <li>Olga K&uuml;thler &lt;olga.kaethler#064hjp-consulting.com&gt; - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.</li>
- <li>Germano Rizzo &lt;germano.rizzo#064gmail.com&gt; - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.</li>
- <li>N&uacute;ria Mar&iacute; &lt;numaa#064hotmail.com&gt; - patch for alternate data type recognition in CMSSignedDataParser.</li>
- <li>Janis Schuller &lt;js#064tzi.de&gt; - addition of NotationData packets for OpenPGP.</li>
- <li>Michael Samblanet &lt;mike#064samblanet.com&gt; - patches towards improved Sun/default provider support in CMS.</li>
- <li>Mike StJohns &lt;mstjohns#064comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA, updates to KeyPurposeId.</li>
- <li>Ramon Keller &lt;ramon.keller#064gmx.ch&gt; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.</li>
- <li>Mark Nelson &lt;mark#064nbr.com&gt; - correction to excluded DN in name constraints processing for PKIX processing.</li>
- <li>Eugene Golushkov &lt;eugene\_gff#064ukr.net&gt; - mask fix to single byte read in TlsInputStream.</li>
- <li>Julien Pasquier &lt;julienpasquier#064free.fr&gt; - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.</li>
- <li>Peter Knopp &lt;pknopp#064mtg.de&gt; - fix for named curve recognition in ECGOST key generation.</li>
- <li>Jakub Gwozdz &lt;gwozdziu#064rpg.pl&gt; - addition of getTsa() to TimestampTokenInfo.</li>
- <li>Bartosz Malkowski &lt;bmalkow#064tigase.org&gt; - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMac.</li>
- <li>Tal Yacobi &lt;tal.yacobi#064octavian-tech.com&gt; - fix for issue in OpenPGP examples [#BJA-55].</li>
- <li>Massimiliano Ziccardi &lt;massimiliano.ziccardi#064gmail.com&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes.</li>
- <li>Andrey Pavlenko &lt;andrey.a.pavlenko#064gmail.com&gt; - security manager patch for PKCS1Encoding property check.</li>
- <li>J Ross Nicoll &lt;jrn#064jrn.me.uk&gt; - improved exception handling for getInstance() in ASN.1 library.</li>
- <li>Matthew Stevenson &lt;mavricknz#064yahoo.com&gt; - patch to construtor for CRMF CertSequence.</li>
- <li>Gabriele Contini &lt;gcontini#064hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDEF's.</li>
- <li>Roelof Naude &lt;roelof.naude#064epiuse.com&gt; - patch for TLS client to send empty client certs in response to HP\_CERTIFICATE\_REQUEST.</li>
- <li>Patrick Peck &lt;peck#064signaturen.at&gt; - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.</li>
- <li>Michael LeMay &lt;lemaymd#064lemaymd.com&gt; - identified problem with EAX [#BJA-93].</li>
- <li>Alex Dupre &lt;ale#064FreeBSD.org&gt; - fix to use of Signature rather than SignatureSpi in provider

[#BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [#BJA-102]</li>

- <li>Michael Schoene &lt;michael&#064sigrid-und-michael.de&gt; - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().</li>
- <li>Ion Larra&ntilde;aga &lt;ilarra&#064s21sec.com&gt; fix to default partial packet generation in BCPGOutputStream.</li>
- <li>Bob Kerns &lt;bob.kerns&#064positscience.com&gt; fix to hashCode for X509CertificateObject.</li>
- <li>Stefan Meyer &lt;stefan.meyer&#064ewe.de&gt; backport for PKIXCertPathValidator and SMIMESignedMailReviewer.</li>
- <li>Robert J. Moore &lt;Robert.J.Moore&#064allanbank.com&gt; speedups for OpenPGPCFB mode, clean room JCE patches.</li>
- <li>Rui Hodai &lt;rui&#064po.ntts.co.jp&gt; speed ups for Camellia implementation, CamelliaLightEngine.</li>
- <li>Emir Bucalovic &lt;emir.bucalovic&#064mail.com&gt; initial implementation of Grain-v1 and Grain-128.</li>
- <li>Torbjorn Svensson &lt;tobbe79&#064gmail.com&gt; initial implementation of Grain-v1 and Grain-128.</li>
- <li>Paul FitzPatrick &lt;bouncycastle\_pfitz&#064fitzpatrick.cc&gt; error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.</li>
- <li>Henrik Andersson &lt;k.henrik.andersson&#064gmail.com&gt; addition of UniqueIssuerID to certificate generation.</li>
- <li>Cagdas Cirit &lt;cagdascirit&#064gmail.com&gt; subjectAlternativeName fix for x509CertStoreSelector.</li>
- <li>Harakiri &lt;harakiri\_23&#064yahoo.com&gt; datahandler patch for attached parts in SMIME signatures.</li>
- <li>Pedro Henriques &lt;pmahenriques&#064gmail.com&gt; explicit bounds checking for DESKeyGenerator, code simplification for OAEP encoding.</li>
- <li>Lothar Kimmeringer &lt;job&#064kimmeringer.de&gt; verbose mode for ASN1Dump, support for DERExternal.</li>
- <li>Richard Farr &lt;rfarr.se&#064gmail.com&gt; initial SRP-6a implementation.</li>
- <li>Thomas Castiglione &lt;castiglione&#064au.ibm.com&gt; patch to encoding for CRMF OptionalValidity.</li>
- <li>Elisabetta Romani &lt;eromani&#064sogei.it&gt; patch for recognising multiple counter signatures.</li>
- <li>Robin Lundgren &lt;r737lundgren&#064gmail.com&gt; CMPCertificate constructor from X509CertificateStructure fix.</li>
- <li>Petr Kadlec &lt;mormegil&#064centrum.cz&gt; fix to sign extension key and IV problem in HC-128, HC-256.</li>
- <li>Andreas Antener &lt;antener\_a&#064gmx.ch&gt; fix to buffer reset in AsymmetricBufferedBlockCipher.</li>
- <li>Harendra Rawat &lt;hsrawat&#064yahoo.com&gt; fix for BERConstructedOctetString.</li>
- <li>Rolf Lindemann &lt;lindemann&#064trustcenter.de&gt; patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].</li>
- <li>Alex Artamonov &lt;alexart.home&#064gmail.com&gt; name look up patch for GOST-2001 parameters.</li>
- <li>Mike Lyons &lt;mlyons&#064layer7tech.com&gt; work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.</li>
- <li>Chris Cole &lt;chris\_h\_cole&#064yahoo.com&gt; identified a problem handling null passwords when loading a BKS keystore.</li>
- <li>Tomas Krivanek &lt;tom&#064atack.cz&gt; added checking of Sender header to SignedMailValidator.</li>
- <li>Michael &lt;emfau&#064t-online.de&gt; correction of field error in getResponse method in CertRepMessage.</li>
- <li>Trevor Perrin &lt;trevor&#064cryptography.com&gt; addition of constant time equals to avoid possible timing attacks.</li>
- <li>Markus Kil&aring;s &lt;markus&#064primekey.se&gt; several enhancements to TimeStampResponseGenerator.</li>

- <li>Dario Novakovic &lt;darionis&#064yahoo.com&gt; fix for NPE when checking revocation reason on CRL without extensions.</li>
- <li>Michael Smith &lt;msmith&#064cbnco.com&gt; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.</li>
- <li>Andrea Zilio &lt;andrea.zilio&#064gmail.com&gt; fix for PEM password encryption of private keys.</li>
- <li>Alex Birkett &lt;alex&#064birkett.co.uk&gt; added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].</li>
- <li>Wayne Grant &lt;waynedgrant&#064gmail.com&gt; additional OIDs for PKCS10 and certificate generation support.</li>
- <li>Frank Cornelis &lt;info&#064frankcornelis.be&gt; additional support classes for CAdES, enhancements to OCSP classes.</li>
- <li>Jan Dittberner &lt;jan&#064dittberner.info&gt; addHeader patch for SMIME generator.</li>
- <li>Bob McGowan &lt;boab.mcgoo&#064btinternet.com&gt; patch to support different object and mgf digests in PSS signing.</li>
- <li>Ivo Matheis &lt;i.matheis&#064seeburger.de&gt; fix to padding verification in ISO-9796-1.</li>
- <li>Marco Sandrini &lt;nessche&#064gmail.com&gt; patch to add IV to ISO9797Alg3Mac.</li>
- <li>Alf Malf &lt;alfilmalf&#064hotmail.com&gt; removal of unnecessary limit in CMSContentInfoParser.</li>
- <li>Alfonso Massa &lt;alfonso.massa&#064insiel.it&gt; contributions to CMS time stamp classes.</li>
- <li>Giacomo Boccardo &lt;gboccardo&#064unimaticaspa.it&gt; initial work on CMSTimeStampedDataParser.</li>
- <li>Arnis Tartu &lt;arnis&#064ut.ee&gt; patches for dealing with OIDs with specific key sizes associated in CMS.</li>
- <li>Janusz Sikocinski &lt;J.Sikocinski&#064gdzie.pl&gt; addition of Features subpacket support to OpenPGP API.</li>
- <li>Juri Hudolejev &lt;jhudolejev&#064gmail.com&gt; JavaDoc fix to CMSSignedDataParser.</li>
- <li>Liane Velten &lt;liane.velten&#064hjp-consulting.com&gt; fine tuning of code for DHParameters validation.</li>
- <li>Shawn Willden &lt;swillden&#064google.com&gt; additional functionality to PGPKKeyRing.</li>
- <li>Atanas Krachev &lt;akrachev&#064gmail.com&gt; added support for revocation signatures in OpenPGP.</li>
- <li>Mickael Laiking &lt;mickael.laiking&#064keynectis.com&gt; initial cut of EAC classes.</li>
- <li>Tim Buktu &lt;tbuktu&#064hotmail.com&gt; Initial implementation of NTRU signing and encryption.</li>
- <li>Bernd &lt;rbernd&#064gmail.com&gt; Fix for open of PGP literal data stream with UTF-8 naming.</li>
- <li>Steing Inge Morisbak &lt;stein.inge.morisbak&#064BEKK.no&gt; Test code for lower case Hex data in PEM headers.</li>
- <li>Andreas Schmid &lt;andreas.schmid&#064tngtech.com&gt; Additional expiry time check in PGPPublicKeys.</li>
- <li>Phil Steitz &lt;phil.steitz&#064gmail.com&gt; Final patch eliminating JCE dependencies in the OpenPGP BC classes.</li>
- <li>Ignat Korchagin &lt;ignat.korchagin&#064gmail.com&gt; Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002.</li>
- <li>Petar Petrov &lt;p.petrov&#064bers-soft.com&gt; Testing and debugging of UTF-8 OpenPGP passwords.</li>
- <li>Daniel Fitzpatrick &lt;daniel.f.nwr&#064gmail.com&gt; Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.</li>
- <li>Andy Neilson &lt;Andy.Neilson&#064quest.com&gt;a further patches to deal with multiple providers and PEMReader.</li>
- <li>Ted Shaw &lt;xiao.xj&#064gmail.com&gt; patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.</li>

<li>Eleriseth &lt;Eleriseth&#064WPECGLtYbVi8Rl6Y7Vz12Lvd2EUVW99v3yNV3IWROG8.fms&gt; speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.</li>

<li>Kenny Root &lt;kenny&#064the-b.org&gt; patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.</li>

<li>Maarten Bodewes &lt;maarten.bodewes&#064gmail.com&gt; initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.</li>

<li>Philip Clay &lt;pilf\_b&#064yahoo.com&gt; Initial implementation of J-PAKE.</li>

<li>Brian Carlstrom &lt;bdc&#064carlstrom.com&gt; compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.</li>

<li>Samuel Lid&eacute;n Borell &lt;samuel&#064primekey.se&gt; patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder</li>

<li>Sergio Demian Lerner &lt;sergiolerner&#064certimix.com&gt; pointing out isInfinity issue in ECDSASigner signature verification.</li>

<li>Tim Whittington &lt;Tim.Whittington&#064orionhealth.com&gt; patch to remove extra init call in CMac, additional of Memoable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDBCrypt, PGP API documentation and code quality work.</li>

<li>Marcus Lundblad &lt;marcus.lundblad&#064primekey.se&gt; patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.</li>

<li>Andrey Zhozhin &lt;zhozhin&#064xrm.ru&gt; patch for override of TSP SignerInfo attributes.</li>

<li>Sergey Tiunov &lt;t5555d&#064gmail.com&gt; initial cut of DVCS classes.</li>

<li>Damian Kolasa &lt;fatfredyy&#064gmail.com&gt; ASN1Sequence patch for class cast issue in X9Curve.</li>

<li>Ash Hughes &lt;ashley.hughes&#064blueyonder.co.uk&gt; patches for supporting PGPSecretKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().</li>

<li>Daniel Hirscher &lt;dev&#064daniel-hirscher.de&gt; patch to support parsing of explicit EC parameters in PEM files.</li>

<li>Daniele Ricci &lt;daniele.athome&#064gmail.com&gt; initial implementation of EC keys for OpenPGP and RFC6637 support.</li>

<li>Matti Aarnio &lt;matti.aarnio&#064methics.fi&gt; tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes.</li>

<li>Babak Najafi &lt;bnajafi&#064akamai.com&gt; fixes to OpenPGP NotationData to prevent truncation problems.</li>

<li>Eric M&uuml;ller &lt;eric.mueller&#064sage.de&gt; additional standard algorithm name lookups in JcaPEMKeyConverter.</li>

<li>Mathias Herberts &lt;Mathias.Herberts&#064gmail.com&gt; fix to inOff usage in RFC3394WrapEngine.</li>

<li>Daniil Ivanov &lt;daniil.ivanov&#064gmail.com&gt; addition of provider support for GOST HMAC SecretKeyFactory.</li>

<li>Daniele Grasso &lt;daniele.grasso86&#064gmail.com&gt; contributions to final Key calculation code for SRP6.</li>

<li>Andrey Utkin &lt;cindrhc&#064gmail.com&gt; patch to reconstruction of ECGOST keys from PrivateKeyInfo

objects in provider classes.</li>  
<li>Arnis Tartu &lt;arnis@ut.ee>; checker for generated key vs OID in JceCMSContentEncryptorBuilder.</li>  
<li>AxelVDB &lt;axel-vdb@riseup.net>; initial implementation of Shacal2.</li>  
<li>Roberto Tyley &lt;>; further work on completing gradle build.</li>  
<li>Waldemar Dick &lt;wdick@devmue.de>; code improvement in x500 ASN.1 package.</li>  
<li>Sid Steward &lt;sid.steward@pdflabs.com>; code improvements to ASN1Boolean.</li>  
<li>Alex Klyubin &lt;klyubin@google.com>; AlgorithmParameters check for EC key agreement.</li>  
<li>Jonathan Gillett &lt;gsoc.student@gmail.com>; Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.</li>  
<li>Andreas Reiter &lt;andreas.reiter@iaik.tugraz.at>; Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.</li>  
<li>Kieran Miller &lt;kieran.miller@gmail.com>; initial implementation for RFC 5649 key wrap with padding.</li>  
<li>Oliver Ehli&lt;ehli@arago.de>; Additional support for BSI plain ECDSA in the provider.</li>  
<li>Daniel Heldt&lt;Daniel.Heldt@cryptovision.com>; Initial support for encodable state message digests</li>  
<li>Robert Bushman &lt;bouncycastle@traxel.com>; Clean up of DirectKeySignature example.</li>  
<li>Maurice Aarts&lt;aarts@riscure.com>; updated to KDF generator to follow NIST SP 800-108.</li>  
<li>Franziskus Kiefer&lt;https://github.com/franziskuskiefer>; initial implementation of Cramer-Shoup.</li>  
<li>KB Sriram&lt;mail\_kb@yahoo.com>; testing for odd encodings for PGP User Attribute Subpackets.</li>  
<li>Marco Schulze&lt;marco@nightlabs.de>; Reported verification bug in GenericSigner.</li>  
<li>Martin Schaef&lt;https://github.com/martinschaef>; contributed a code-cleanup patch.</li>  
<li>dstutz&lt;https://github.com/dstutz>; added iteration count setters to PKCS#12 PBE mac/key generator builders.</li>  
<li>Tobias Wich&lt;tobias.wich@ecsec.de>; Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.</li>  
<li>Hauke Mehrstens&lt;hauke@hauke-m.de>; TLS patch to add ECDHE\_ECDSA CCM ciphersuites from RFC 7251.</li>  
<li>Daniel Zimmerman&lt;dmz@galois.com>; Further key quality improvements to RSAKeyPairGenerator.</li>  
<li>Jens Kapitza&lt;j.kapitza@schwarze-allianz.de>; Iterable support in OpenPGP API, code cleanup in OpenPGP API.</li>  
<li>Johan Eklund&lt;johan@primekey.se>; update to RFC 6960 for OCSPObjectIdentifiers.</li>  
<li>nikosn&lt;https://github.com/nikosn>; Fix to encoding of EC private keys to ensure encoding matches order length.</li>  
<li>Axel von dem Bruch &lt;axel-vdb@riseup.net>; Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2bDigest.</li>  
<li>Derek Atkins &lt;derek@ihtfp.com>; Documentation fixes to X9ObjectIdentifiers.</li>  
<li>Peter Jr Halicky &lt;peto@halicky.sk>; Correction to notification/error message handling in SignedMailValidator.</li>  
<li>IartiguePierre&lt;https://github.com/IartiguePierre>; Fix for counter signature SID in CMSSignedData.</li>  
<li>Thomas Belot&lt;thomas.belot+BC@gmail.com>; initial CertPathLoopTest for demonstrating stack overflow issue.</li>  
<li>Rich DiCroce&lt;https://github.com/rdicroce>; Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.</li>  
<li>Bj&ouml;rjn Kautler&lt;https://github.com/Vampire>; Refinements to cert path validation (authority key



addition, certificate order preservation).</li>

<li>Dominik Sch&uuml;rman<a href="https://github.com/dschuermann">https://github.com/dschuermann</a>; method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in PGPSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.</li>

<li>Michael <a href="mailto:MSKnete@web.de">MSKnete@web.de</a>; initial fix for bitStrength issue for OpenPGP EC keys.</li>

<li>Tobias Wagner <a href="mailto:tobias.wagner@n-design.de">tobias.wagner@n-design.de</a>; Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].</li>

<li>Sergio Giro <a href="mailto:sgiro@google.com">sgiro@google.com</a>; Fixed adding of additional stores from CRL distribution point [#BJA-537]. Fixed missing null check for CRL certificate issuer [#BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBEKeys that require it.</li>

<li>bschuette<a href="https://github.com/bschuette">https://github.com/bschuette</a>; Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSSignedDataParser.</li>

<li>Leonard Dallot<a href="https://github.com/dallotTazTag">https://github.com/dallotTazTag</a>; Fix to S2K usage of none on changing passwords on keys without passwords originally.</li>

<li>Jan Willem Janssen <a href="mailto:j.w.janssen@bouncycastle.org">j.w.janssen@bouncycastle.org</a>; Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.</li>

<li>Sebastian Oerding <a href="mailto:sebastian.oerding@robotron.de">sebastian.oerding@robotron.de</a>; Fixes to toString() in x509.CertificatePolicies.</li>

<li>Kai Kramer <a href="mailto:kai.kramer@gmail.com">kai.kramer@gmail.com</a>; Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.</li>

<li>Benoit Charles <a href="mailto:benoit.charles@opentrust.com">benoit.charles@opentrust.com</a>; Fix for IES data length check on decryption.</li>

<li>Niko <a href="mailto:nfink95@gmail.com">nfink95@gmail.com</a>; fix to cast issue in getOutputSize() for ECIES.</li>

<li>akwizgran<a href="https://github.com/akwizgran">https://github.com/akwizgran</a>; Fixed clone of key in Blake2bDgest copy constructor, blake2b reset issue for variant keys.</li>

<li>Matthias Edelhoff <a href="mailto:Matthias.Edelhoff@cryptovision.com">Matthias.Edelhoff@cryptovision.com</a>; BasicConstraintsValidation pathlen fix in PKIX certpath classes.</li>

<li>Lukasz Deputat <a href="mailto:lukasz.deputat@gmail.com">lukasz.deputat@gmail.com</a>; Fixed bugs in TlsUtils read methods [#BJA-592].</li>

<li>Justin Ludwig <a href="https://github.com/justinludwig">https://github.com/justinludwig</a>; Iterator fix for PGPObjectFactory to handle stream packets at start of iterated data.</li>

<li>Andr&eacute; Berenguel <a href="https://github.com/aberenguel">https://github.com/aberenguel</a>; Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi</li>

<li>Slawomir Jaranowski<a href="https://github.com/slawekjaranowski">https://github.com/slawekjaranowski</a>; Patch to make cipher/hash/signature name methods in PGP internal API public.</li>

<li>Andrey Vasilyev<a href="https://github.com/andrey-vasilyev">https://github.com/andrey-vasilyev</a>; Initial implementation of GOST R 34.11-2012.</li>

<li>William Glanton <a href="mailto:wglanton77@gmail.com">>wglanton77@gmail.com</a>; Fixed bug in Poly1305 [#BJA-620].</li>

<li>jdvorak001<a href="https://github.com/jdvorak001">https://github.com/jdvorak001</a>; Speed improvements for ASN.1 ObjectIdentifier cache.</li>

<li>Joseph Naegele <a href="mailto:jnaegele@grierforensics.com">jnaegele@grierforensics.com</a>; Patch for handling multiple certificates in a DANE SMIMEA entry.</li>

<li>Andrew Bonventre<a href="https://github.com/andybons">https://github.com/andybons</a>; NullPointer patch for WNafUtil.</li>

<li>The Google Security Team (Project Wycheproof) <a href="https://github.com/google/wycheproof">https://github.com/google/wycheproof</a>; defect analysis and additional test cases for the provider.</li>

<li>Gorka Irazoqui <a href="mailto:girazoki@wpi.edu">girazoki@wpi.edu</a>; from Intel Security Center of Excellence <a href="https://security-center.intel.com/">https://security-center.intel.com/</a>; detection of the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine and finding cache sensitivities in EC key generation/signing.</li>

<li>Joerg Senekowitsch <a href="mailto:joerg.senekowitsch@veridos.com">joerg.senekowitsch@veridos.com</a>; patch to deal with hard coded boolean in EAC ECDSAPublicKey.</li>

<li>Alexandr Krivoshta <a href="mailto:wipe@ya.ru">wipe@ya.ru</a>; N4 calculation fix to GOFB mode.</li>

<li>Artem Storozhuk <a href="mailto:storojs72@gmail.com">storojs72@gmail.com</a>; N4 calculation fix to GOFB mode.</li>

- <li>Na Yu &lt;na.yu@#064samsung.com&gt; Constructor patches to CMC PKIData.</li>
- <li>Evangelos Karatsiolis &lt;ekaratsiolis@#064mtg.de&gt; Corrected use of explicit tagging in X.509 PolicyConstraints class.</li>
- <li>VivleSoren &lt;https://github.com/VivleSoren&gt; additional constructor for McElieceCCA2PrivateKeyParameters.</li>
- <li>mtausig &lt;https://github.com/mtausig&gt; JavaDoc fix for MCSEncryptedDataGenerator.</li>
- <li>Anders Schack-Mulligen &lt;https://github.com/aschackmull&gt; code cleanups for CMSSignedDataParser, BrokenKDF2BytesGenerator.</li>
- <li>Sebastian Wolfgang Roland &lt;sebastianwolfgang.roland@#064stud.tu-darmstadt.de&gt; Initial XMSS/XMSS-MT implementation.</li>
- <li>didisoft &lt;https://github.com/didisoft&gt; test code for PGP signature removal involving user ids.</li>
- <li>Mike Safonov&lt;https://github.com/MikeSafonov&gt; initial implementation of GOST3410-2012 for light weight provider and JCA, parameters patches for ECGOST keys, initial implementation of GOST3412-2015, addition of fromExtensions() for CRLDistPoint.</li>
- <li>Artem Storozhuk &lt;storojs72@#064gmail.com&gt; initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.</li>
- <li>Andreas Glaser &lt;andreas.glaser@#064gi-de.com&gt; patch to recognise ANSSI curves for PKCS#10 requests.</li>
- <li>codeborne &lt;https://github.com/cbpx&gt; patch to correct OIDs used in public key digest parameters for ECGOST-2012.</li>
- <li>FauxFaux &lt;https://github.com/FauxFaux&gt; patch for JDK 1.9 update to DRBG.java.</li>
- <li>4garbage &lt;https://github.com/4garbage&gt; patch to allow GOST3410-94 private keys encoded as integers.</li>
- <li>ekszz &lt;https://github.com/ekszz&gt; corrections to SM2 signer to include default identity value.</li>
- <li>jminer &lt;https://github.com/jminer&gt; fix to Blake2b for hashes in range of 2\*\*64-127 to 2\*\*64.</li>
- <li>str4d &lt;https://github.com/str4d&gt; initial implementation of Blake2s</li>
- <li>Scott Woodward &lt;scott@#064bit3consulting.com&gt; performance fixes for CTRSP800DRBG.</li>
- <li>David Strawn &lt;https://github.com/isomarcte&gt; fix for off by one error in SCRYPT bounds checking.</li>
- <li>chris mccown &lt;0xchrismccown@#064gmail.com&gt; identification of serialisation issue with XMSS/XMSSMT private keys (see also CVE-2018-1000613).</li>
- <li>ZZMarquis &lt;https://github.com/ZZMarquis&gt; offset patch for SM2 decrypt.</li>
- <li>Andreas Kretschmer &lt;https://github.com/Akretsch&gt; NPE fix for CertTemplate.getVersion()</li>
- <li>Armin Lunkeit, Michael Tautenhahn &lt;&gt; identification of M-R test issue on higher certainty values in RSA key pair generation.</li>
- <li>Vincent Breitmoser &lt;https://github.com/Valodim&gt; fix to ignore unnecessary checksum calculator on PGP secret key encryption.</li>
- <li>Adam Vartanian &lt;https://github.com/flooe&gt; use of ShortBuffer exception and buffer size pre-check in Cipher.doFinal().</li>
- <li>Bernd &lt;https://github.com/ecki&gt; Fix to make PGPUtil.pipeFileContents use buffer and not leak file handle.</li>
- <li>Shartung &lt;https://github.com/shartung&gt; Additional EC Key Agreement algorithms in support of German BSI TR-03111.</li>
- <li>Paul Schaub &lt;https://github.com/vanitasvitae&gt; bringing PGPSecretKey.getUserIds() into line with PGPPublicKey.getUserIds(). Exception message fix in BcPublicKeyDataDecryptorFactory. Additional tests on PGP key ring generation.</li>
- <li>Nick of Nexxar &lt;https://github.com/nros&gt; update to OpenPGP package to handle a broader range of EC curves.</li>
- <li>catbref &lt;https://github.com/catbref&gt; sample implementation of RFC 7748/Ed25519 (incorporated work

from github users Valodim and str4d as well).</li>  
<li>gerlion &lt;https://github.com/gerlion&gt; detection of concurrency issue with pre-1.60 EC math library.</li>  
<li>fgrieu &lt;fgrieu@064gmail.com&gt; identification and suggested fixes for possible timing vulnerability in OAEPEncoding and RSACoreEngine.</li>  
<li>MTG &lt;https://github.com/mtgag&gt; patch for decoding issues in PKIPublicationInfo and CertifiedKeyPair.</li>  
<li>Andreas Gadermaier &lt;up.gadermaier@064gmail.com&gt; initial version of Argon2 PBKDF algorithm.</li>  
<li>Tony Washer &lt;tony.washer@yahoo.co.uk&gt; review of qTesla, Java 1.9 module code.</li>  
<li>Vincent Bouckaert &lt;https://github.com/veebee&gt; initial version of RFC 4998 ASN.1 classes.</li>  
<li>Tony Washer &lt;https://github.com/tonywasher&gt; ECIESKeyEncapsulation fix for use of OldCofactor mode.</li>  
<li>Aurimas Liutikas &lt;https://github.com/liutikas&gt; JavaDoc patches to ReasonsMask.</li>  
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```
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```

```
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Ty Coon, President of Vice
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## 1.412 libidn 2.0.4-1.1ubuntu0.2

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## 1.413 bouncy-castle 1.64

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- <li>Breitenstrom Christian &lt;C.Breitenstrom@systems.com>; - compatibility patch to SignaturePacket, DetachedSignatureProcessor.</li>
- <li>Zanotti Mirko &lt;zanotti@cad.it>; - patch to ordered equality test for X509Name.</li>
- <li>Nicola Scendoni &lt;nscendoni@babelps.it>; - patch to add sorting to CertPath validation.</li>
- <li>Ville Skyttä &lt;ville.skytta@iki.fi>; - patch to CRLDistPoint for cRLIssuer field. KeyStore compliance on add patches. DiffieHellman patch for provider compliance. Support for PEM object "TRUSTED CERTIFICATE". Exception handling patch in PEMReader. JavaDoc clean up.</li>
- <li>Bruce Gordon &lt;bruce.gordon@savvis.net>; - patch to secret key creation encoding NullPointerException in OpenPGP, speed up for BCPGInputStream.</li>
- <li>Miles Whiteley &lt;Miles.Whiteley@savvis.net>; - "223" fix for BCPGInputStream new packets.</li>
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- <li>Carlos Lozano &lt;carlos@evintia.com>; - initial TSP implementation, patch to SignerInformation for supporting repeated signers, initial updates for supporting repeated attributes in CMS.</li>
- <li>Javier Delgado &lt;javi@javi.codewarp.org>; - initial Mozilla PublicKeyAndChallenge classes.</li>
- <li>Joni Hahkala &lt;joni.hahkala@cern.ch>; - initial implementations of VOMS Attribute Certificate Validation, IetfAttrSyntax, and ObjectDigestInfo. We also wish to thank the <a href="http://www.eu-egee.org">EGEE project</a> for making the work available.</li>

- <li>Rolf Schillinger &lt;rolf&#064sir-wum.de&gt; - initial implementation of Attribute Certificate generation.</li>
- <li>Sergey Bahtin &lt;Sergey\_Bahtin&#064yahoo.com&gt; - fix for recovering certificate aliases in BKS and UBER key stores. Initial implementations of GOST-28147, GOST-3410, EC GOST-3410, GOST OFB mode (GOFB) and GOST-3411.</li>
- <li>Franck Leroy &lt;Franck.Leroy&#064keynectis.com&gt; - ANS.1 set sorting. Contributions to TSP implementation. Test vectors for Bleichenbacher's forgery attack.</li>
- <li>Atsuhiko Yamanaka &lt;ymnk&#064jcraft.com&gt; - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.</li>
- <li>Nickolay Bolshackov &lt;tyrex&#064reksoft.ru&gt; - patch for class cast exception in AuthorityInformationAccess class.</li>
- <li>Soren Hilmer &lt;soren.hilmer&#064tietoenator.com&gt; - patches for CertID with issuerSerial set in TSP implementation, additional compliance testing.</li>
- <li>Steve Mitchell &lt;mitchell&#064intertrust.com&gt; - patch for stateful path validator fix. Patch to allow BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP. Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.</li>
- <li>Dirk Eisner &lt;D.Eisner&#064seeburger.de&gt; - initial implementation of ISO 78164-4 padding.</li>
- <li>Julien Pasquier &lt;julienpasquier&#064free.fr&gt; - initial implementation of attribute classes from RFC 3126. Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.</li>
- <li>Matteo &lt;matartuso&#064libero.it&gt; - sequence patch to ASN1Dump.</li>
- <li>Andrew Paterson &lt;andrew.paterson&#064burnsecs.com&gt; - patches to PGP tools, isRevoked method on PGPPublicKey.</li>
- <li>Vladimir Molotkov &lt;vladimir.n.molotkov&#064intel.com&gt; - extensive provider exception handling compliance testing.</li>
- <li>Florin Kollan &lt;adlocflo&#064web.de&gt; - fix to ElGamalKeyParameters equality testing.</li>
- <li>Pavel Vassiliev &lt;paulvas&#064gmail.com&gt; - Initial GOST28147Mac implementation.</li>
- <li>Tom Pesman &lt;tom&#064tnux.net&gt; - addition of DES-EDE encryption for RSAPrivate keys to PEMWriter.</li>
- <li>Lukasz Kowalczyk &lt;lukasz.b.kowalczyk&#064gmail.com&gt; - patch to fix parsing issue with OpenSSL PEM based certificate requests.</li>
- <li>Arndt Hasch &lt;Arndt.Hasch&#064maxence.de&gt; - additional fix for partial reading with new style PGP packets.</li>
- <li>Fix Bernd (KCDP 11) &lt;bernd.fix&#064credit-suisse.com&gt; - fix for 31 byte issue and exception throwing by Whirlpool.</li>
- <li>David M. Lee &lt;dmlee&#064Crossroads.com&gt; - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.</li>
- <li>Mike Dillon &lt;md5&#064embody.org&gt; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.</li>
- <li>tu-vi cung &lt;t2cung&#064hotmail.com&gt; - patch for out of bounds problem in getDecoderStream method.</li>
- <li>Chris Schultz &lt;cschultz&#064gmail.com&gt; - fix for InputStream constructor for X509V2AttributeCertificate.</li>
- <li>David M. Lee &lt;dmlee&#064Crossroads.com&gt; - implementation assistance with streaming CMS classes.</li>
- <li>Joel Rees &lt;rees&#064ddcom.co.jp&gt; - fix to correct getOID methods from returning same set on X.509 attribute certificates.</li>
- <li>Francesc Sau &lt;francesc.sau&#064partners.netfocus.es&gt; - micro fix for tsp Accuracy class.</li>

- <li>Larry Bugbee &lt;bugbee@mac.com>; - initial ECNR implementation.</li>
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- <li>Brian O'Rourke &lt;brianorourke@gmail.com>; - patch for signature creation time override in OpenPGP.</li>
- <li>Andreas Schwier &lt;andreas.schwier@cardcontact.de>; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-EDE 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.</li>
- <li>David Josse &lt;david.josse@transacttools.net>; - Patch for trailer function in version 2 signature packets.</li>
- <li>Kishimoto Kazuhiko &lt;kazu-k@hi-ho.ne.jp>; - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.</li>
- <li>Lawrence Tan &lt;lwrnctan@gmail.com> - Large field OID sample test data. Missing key types in JDKKeyFactory.</li>
- <li>Carlos Valiente &lt;superdupont@gmail.com>; - Addition of CRL writing to the PEMWriter class.</li>
- <li>Keyon AG, Martin Christinat, <a href="http://www.keyon.ch">http://www.keyon.ch</a> - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.</li>
- <li>Olaf Keller, &lt;olaf.keller@bluewin.ch>; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.</li>
- <li>J&ouml;rg Eichhorn &lt;eichhorn@ponton-consulting.de>; - patch to fix EOF read on SharedFileInputStream, support for F2m compression.</li>
- <li>Karsten Ohme &lt;widerstand@t-online.de>; - initial check against for out of range data on non byte aligned RSA keys. Addition of equals/hashCode on ECCurve.Fp. Additional curve type support for Fp, contributions to F2m compression. F2m decoding for ECPointUtil. Infinity fix and prime192v2 fix for Fp. Extra validation for RSA key creation. Fix to name typos for some OpenSSL key generators. RFC-1779 table, improved RFC 2253 compliance for X509Name. Additional constructor validation for X.509/ESS ASN.1 classes. Validation for Printable, IA5, and Numeric Strings. Fix for RFC 5280 NameConstraint checking for RDNs.</li>
- <li>Support for surrogate pairs in DERUTF8String, DER UTF8 test. Additional X.509 name attributes for ISIS-MTT, RFC 3039, addition of indirect CRL support, initial X509 LDAP CertStore implementation, CertificatePair class, and X509CertificatePair class. Contributions to X509Store/Parser infrastructure and design. CertPath support for implicit DSA parameters and a range of NameConstraints. Addition of support for V1 attribute certificates and attribute certificate path validation. Initial classes for ASN.1 ISIS-MTT support. Enhancements for improving compliance with the NIST CertPath tests.</li>
- <li>Carlos Lozano Ruiz &lt;carlos@tradise.com>; - patch for &lt;ctrl>&lt;m>; only handling in CRLFOutputStream.</li>
- <li>John Alfred Prufrock &lt;j.a.prufrock@gmail.com>; - mods to GOST-3411 and MD2 to support ExtendedDigest.</li>
- <li>Stefan Neusatz Guillhen &lt;sneusatz@gmail.com>; - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.</li>
- <li>Marzio Lo Giudice &lt;marzio.logiudice@gmail.com>; - fix to endianness in KDF2BytesGenerator, additional KDF2 tests.</li>
- <li>Georg Lippold &lt;georg.lippold@gmx.de>; - initial implementation of NaccacheStern cipher.</li>
- <li>Chris Viles &lt;chris\_viles@yahoo.com>; - fix to SignatureSubpacket critical bit setting.</li>
- <li>Pasi Eronen &lt;Pasi.Eronen@nokia.com>; - extra toString() support for ASN.1 library. Initial patch for large OID components.</li>
- <li>Lijun Liao &lt;https://github.com/xipki>; performance enhancements for SHA family of digests. Bug report



and patch for blank line handling in ArmoredInputStream. Addition of getSignatureAlgorithmID to BasicOCSPResp. Reset fix for SM2 signatures, performance improvements for SHA-3. Clean up of CMP EncryptedValueBuilder, additional functionality on PollReqContent. Bug fix for endianness issue in cSHAKE left encode method.</li>

- <li>Maria Ivanova &lt;maria.ivanova&#064gmail.com&gt; - support for tags > 30 in ASN.1 parsing.</li>
- <li>Armin H&auml;berling &lt;arminha&#064student.ethz.ch&gt; - first cut of internationalisation, initial PKIX validation classes.</li>
- <li>Marius Schilder &lt;mschilder&#064google.com&gt; - main set of test vectors for Bleichenbacher's forgery attack.</li>
- <li>Xavier Le Vouch &lt;xavier&#064brittanysoftware.com&gt; - general code clean ups.</li>
- <li>Erik Tews &lt;e\_tews&#064cdc.informatik.tu-darmstadt.de&gt; - initial threaded random seed generator, constant-time PKCS#1.5 decoding</li>
- <li>Thomas Dixon &lt;reikomusha&#064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.</li>
- <li>Frank Cornelis &lt;info&#064frankcornelis.be&gt;- addition of crlAccessMethod in X509ObjectIdentifiers.</li>
- <li>Rui Joaquim &lt;rjoaquim&#064cc.isel.ipl.pt&gt; - initial implementation of RSA blinding for signatures.</li>
- <li>David Stacey &lt;DStacey&#064allantgroup.com&gt; - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.</li>
- <li>Martijn Brinkers &lt;list&#064mitm.nl&gt; - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.</li>
- <li>Julius Davies &lt;juliusdavies&#064gmail.com&gt; - additional modes and algorithm support in PEMReader</li>
- <li>Matthias &lt;g&#064rtner.de&gt; - GnuPG compatibility changes for PBEFileProcessor.</li>
- <li>Olga K&auml;thler &lt;olga.kaethler&#064hjp-consulting.com&gt; - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.</li>
- <li>Germano Rizzo &lt;germano.rizzo&#064gmail.com&gt; - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.</li>
- <li>N&uacute;ria Mar&iacute; &lt;numaa&#064hotmail.com&gt; - patch for alternate data type recognition in CMSSignedDataParser.</li>
- <li>Janis Schuller &lt;js&#064tzi.de&gt; - addition of NotationData packets for OpenPGP.</li>
- <li>Michael Samblanet &lt;mike&#064samblanet.com&gt; - patches towards improved Sun/default provider support in CMS.</li>
- <li>Mike StJohns &lt;mstjohns&#064comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA, updates to KeyPurposeId.</li>
- <li>Ramon Keller &lt;ramon.keller&#064gmx.ch&gt; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.</li>
- <li>Mark Nelson &lt;mark&#064nbr.com&gt; - correction to excluded DN in name constraints processing for PKIX processing.</li>
- <li>Eugene Golushkov &lt;eugene\_gff&#064ukr.net&gt; - mask fix to single byte read in TlsInputStream.</li>
- <li>Julien Pasquier &lt;julienpasquier&#064free.fr&gt; - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.</li>
- <li>Peter Knopp &lt;pknopp&#064mtg.de&gt; - fix for named curve recognition in ECGOST key generation.</li>
- <li>Jakub Gwozdz &lt;gwozdziu&#064rpg.pl&gt; - addition of getTsa() to TimestampTokenInfo.</li>
- <li>Bartosz Malkowski &lt;bmalkow&#064tigase.org&gt; - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMac.</li>
- <li>Tal Yacobi &lt;tal.yacobi&#064octavian-tech.com&gt; - fix for issue in OpenPGP examples [#BJA-55].</li>
- <li>Massimiliano Ziccardi &lt;massimiliano.ziccardi&#064gmail.com&gt; - support for counter signature reading

in CMS API, update for multiple counter signature attributes, JCA compliance patch for PEM parsing in CertificateFactory.</li>

<li>Andrey Pavlenko &lt;andrey.a.pavlenko@064gmail.com&gt; - security manager patch for PKCS1Encoding property check.</li>

<li>J Ross Nicoll &lt;jrn@064jrn.me.uk&gt; - improved exception handling for getInstance() in ASN.1 library.</li>

<li>Matthew Stevenson &lt;mavricknz@064yahoo.com&gt; - patch to construtor for CRMF CertSequence.</li>

<li>Gabriele Contini &lt;gcontini@064hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDEF's.</li>

<li>Roelof Naude &lt;roelof.naude@064epiuse.com&gt; - patch for TLS client to send empty client certs in response to HP\_CERTIFICATE\_REQUEST.</li>

<li>Patrick Peck &lt;peck@064signaturen.at&gt; - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.</li>

<li>Michael LeMay &lt;lemaymd@064lemaymd.com&gt; - identified problem with EAX [#BJA-93].</li>

<li>Alex Dupre &lt;ale@064FreeBSD.org&gt; - fix to use of Signature rather than SignatureSpi in provider [#BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [#BJA-102]</li>

<li>Michael Schoene &lt;michael@064sigrid-und-michael.de&gt; - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().</li>

<li>Ion Larra&ntilde;aga &lt;ilarra@064s21sec.com&gt; fix to default partial packet generation in BCPGOutputStream.</li>

<li>Bob Kerns &lt;bob.kerns@064positscience.com&gt; fix to hashCode for X509CertificateObject.</li>

<li>Stefan Meyer &lt;stefan.meyer@064ewe.de&gt; backport for PKIXCertPathValidator and SMIMESignedMailReviewer.</li>

<li>Robert J. Moore &lt;Robert.J.Moore@064allanbank.com&gt; speedups for OpenPGPCFB mode, clean room JCE patches.</li>

<li>Rui Hodai &lt;rui@064po.ntts.co.jp&gt; speed ups for Camellia implementation, CamelliaLightEngine.</li>

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<li>Torbjorn Svensson &lt;tobbe79@064gmail.com&gt; initial implementation of Grain-v1 and Grain-128.</li>

<li>Paul FitzPatrick &lt;bouncycastle\_pfitz@064fitzpatrick.cc&gt; error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.</li>

<li>Henrik Andersson &lt;k.henrik.andersson@064gmail.com&gt; addition of UniqueIssuerID to certificate generation.</li>

<li>Cagdas Cirit &lt;cagdasirit@064gmail.com&gt; subjectAlternativeName fix for x509CertStoreSelector.</li>

<li>Harakiri &lt;harakiri\_23@064yahoo.com&gt; datahandler patch for attached parts in SMIME signatures.</li>

<li>Pedro Henriques &lt;pmahenriques@064gmail.com&gt; explicit bounds checking for DESKeyGenerator, code simplification for OAPEncoding.</li>

<li>Lothar Kimmeringer &lt;job@064kimmeringer.de&gt; verbose mode for ASNIDump, support for DERExternal, DNS performance fix for S/MIME API.</li>

<li>Richard Farr &lt;rfarr.se@064gmail.com&gt; initial SRP-6a implementation.</li>

<li>Thomas Castiglione &lt;castiglione@064au.ibm.com&gt; patch to encoding for CRMF OptionalValidity.</li>

<li>Elisabetta Romani &lt;eromani@064sogei.it&gt; patch for recognising multiple counter signatures.</li>

<li>Robin Lundgren &lt;r737lundgren@064gmail.com&gt; CMPCertificate constructor from X509CertificateStructure fix.</li>

<li>Petr Kadlec &lt;mormegil@064centrum.cz&gt; fix to sign extension key and IV problem in HC-128, HC-256.</li>

<li>Andreas Antener &lt;antener\_a@064gmx.ch&gt; fix to buffer reset in AsymmetricBufferedBlockCipher.</li>

- <li>Harendra Rawat &lt;hsrawat&#064yahoo.com&gt; fix for BERConstructedOctetString.</li>
- <li>Rolf Lindemann &lt;lindemann&#064trustcenter.de&gt; patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].</li>
- <li>Alex Artamonov &lt;alexart.home&#064gmail.com&gt; name look up patch for GOST-2001 parameters.</li>
- <li>Mike Lyons &lt;mlyons&#064layer7tech.com&gt; work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.</li>
- <li>Chris Cole &lt;chris\_h\_cole&#064yahoo.com&gt; identified a problem handling null passwords when loading a BKS keystore.</li>
- <li>Tomas Krivanek &lt;tom&#064atak.cz&gt; added checking of Sender header to SignedMailValidator.</li>
- <li>Michael &lt;emfau&#064t-online.de&gt; correction of field error in getResponse method in CertRepMessage.</li>
- <li>Trevor Perrin &lt;trevor&#064cryptography.com&gt; addition of constant time equals to avoid possible timing attacks.</li>
- <li>Markus Kil&aring;s &lt;markus&#064primekey.se&gt; several enhancements to TimeStampResponseGenerator.</li>
- <li>Dario Novakovic &lt;darionis&#064yahoo.com&gt; fix for NPE when checking revocation reason on CRL without extensions.</li>
- <li>Michael Smith &lt;msmith&#064cbnco.com&gt; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.</li>
- <li>Andrea Zilio &lt;andrea.zilio&#064gmail.com&gt; fix for PEM password encryption of private keys.</li>
- <li>Alex Birkett &lt;alex&#064birkett.co.uk&gt; added support for EC cipher suites in TLS client (RFC 4492) [#BJA-291].</li>
- <li>Wayne Grant &lt;waynedgrant&#064gmail.com&gt; additional OIDs for PCKS10 and certificate generation support.</li>
- <li>Frank Cornelis &lt;info&#064frankcornelis.be&gt; additional support classes for CADES, enhancements to OCSP classes.</li>
- <li>Jan Dittberner &lt;jan&#064dittberner.info&gt; addHeader patch for SMIME generator.</li>
- <li>Bob McGowan &lt;boab.mcgoo&#064btinternet.com&gt; patch to support different object and mgf digests in PSS signing.</li>
- <li>Ivo Matheis &lt;i.matheis&#064seeburger.de&gt; fix to padding verification in ISO-9796-1.</li>
- <li>Marco Sandrini &lt;nessche&#064gmail.com&gt; patch to add IV to ISO9797Alg3Mac.</li>
- <li>Alf Malf &lt;alfilmalf&#064hotmail.com&gt; removal of unnecessary limit in CMSContentInfoParser.</li>
- <li>Alfonso Massa &lt;alfonso.massa&#064insiel.it&gt; contributions to CMS time stamp classes.</li>
- <li>Giacomo Boccardo &lt;gboccardo&#064unimaticaspa.it&gt; initial work on CMSTimeStampedDataParser.</li>
- <li>Arnis Tartu &lt;arnis&#064ut.ee&gt; patches for dealing with OIDs with specific key sizes associated in CMS.</li>
- <li>Janusz Sikocinski &lt;J.Sikocinski&#064gdzie.pl&gt; addition of Features subpacket support to OpenPGP API.</li>
- <li>Juri Hudolejev &lt;jhudolejev&#064gmail.com&gt; JavaDoc fix to CMSSignedDataParser.</li>
- <li>Liane Velten &lt;liane.velten&#064hjp-consulting.com&gt; fine tuning of code for DHParameters validation.</li>
- <li>Shawn Willden &lt;swillden&#064google.com&gt; additional functionality to PGPKKeyRing.</li>
- <li>Atanas Krachev &lt;akrachev&#064gmail.com&gt; added support for revocation signatures in OpenPGP.</li>
- <li>Mickael Laiking &lt;mickael.laiking&#064keynectis.com&gt; initial cut of EAC classes.</li>
- <li>Tim Buktu &lt;tbuktu&#064hotmail.com&gt; Initial implementation of NTRU signing and encryption.</li>
- <li>Bernd &lt;rbernd&#064gmail.com&gt; Fix for open of PGP literal data stream with UTF-8 naming.</li>
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headers.</li>

<li>Andreas Schmid &lt;andreas.schmid@tngtech.com>; Additional expiry time check in PGPPublicKeys.</li>

<li>Phil Steitz &lt;phil.steitz@gmail.com>; Final patch eliminating JCE dependencies in the OpenPGP BC classes.</li>

<li>Ignat Korchagin &lt;ignat.korchagin@gmail.com>; Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002.</li>

<li>Petar Petrov &lt;p.petrov@bers-soft.com>; Testing and debugging of UTF-8 OpenPGP passwords.</li>

<li>Daniel Fitzpatrick &lt;daniel.f.nwr@gmail.com>; Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.</li>

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<li>Maarten Bodewes &lt;maarten.bodewes@gmail.com>; initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.</li>

<li>Philip Clay &lt;pilf\_b@yahoo.com>; Initial implementation of J-PAKE.</li>

<li>Brian Carlstrom &lt;bdc@carlstrom.com>; compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.</li>

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<li>Tim Whittington &lt;Tim.Whittington@orionhealth.com>; patch to remove extra init call in CMac, additional of Memoable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDBCrypt, PGP API documentation and code quality work.</li>

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<li>Andrey Zhozhin &lt;zhozhin@xrm.ru>; patch for override of TSP SignerInfo attributes.</li>

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<li>Damian Kolasa &lt;fatfredy@gmail.com>; ASN1Sequence patch for class cast issue in X9Curve.</li>

<li>Ash Hughes &lt;ashley.hughes@blueyonder.co.uk>; patches for supporting PGPSecretKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().</li>

<li>Daniel Hirscher &lt;dev@daniel-hirscher.de>; patch to support parsing of explicit EC parameters in

PEM files.</li>  
<li>Daniele Ricci <a href="mailto:daniele.athome@gmail.com">daniele.athome@gmail.com</a>; initial implementation of EC keys for OpenPGP and RFC6637 support.</li>  
<li>Matti Aarnio <a href="mailto:matti.aarnio@methics.fi">matti.aarnio@methics.fi</a>; tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes, addition of NONEwithRSA to lightweight RSADigestSigner.</li>  
<li>Babak Najafi <a href="mailto:bnajafi@akamai.com">bnajafi@akamai.com</a>; fixes to OpenPGP NotationData to prevent truncation problems.</li>  
<li>Eric Mueller <a href="mailto:eric.mueller@sage.de">eric.mueller@sage.de</a>; additional standard algorithm name lookups in JcaPEMKeyConverter.</li>  
<li>Mathias Herberths <a href="mailto:Mathias.Herberths@gmail.com">Mathias.Herberths@gmail.com</a>; fix to inOff usage in RFC3394WrapEngine.</li>  
<li>Daniil Ivanov <a href="mailto:daniil.ivanov@gmail.com">daniil.ivanov@gmail.com</a>; addition of provider support for GOST HMAC SecretKeyFactory.</li>  
<li>Daniele Grasso <a href="mailto:daniele.grasso86@gmail.com">daniele.grasso86@gmail.com</a>; contributions to final Key calculation code for SRP6.</li>  
<li>Andrey Utkin <a href="mailto:cindrhc@gmail.com">cindrhc@gmail.com</a>; patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.</li>  
<li>Arnis Tartu <a href="mailto:arnis@ut.ee">arnis@ut.ee</a>; checker for generated key vs OID in JceCMSContentEncryptorBuilder.</li>  
<li>AxelVDB <a href="mailto:axel-vdb@riseup.net">axel-vdb@riseup.net</a>; initial implementation of Shacal2.</li>  
<li>Roberto Tyley <a href="https://github.com/robertotyley">robertotyley</a>; further work on completing gradle build.</li>  
<li>Waldemar Dick <a href="mailto:wdick@devmue.de">wdick@devmue.de</a>; code improvement in x500 ASN.1 package.</li>  
<li>Sid Steward <a href="mailto:sid.steward@pdfabs.com">sid.steward@pdfabs.com</a>; code improvements to ASN1Boolean.</li>  
<li>Alex Klyubin <a href="mailto:klyubin@google.com">klyubin@google.com</a>; AlgorithmParameters check for EC key agreement.</li>  
<li>Jonathan Gillett <a href="mailto:gsoc.student@gmail.com">gsoc.student@gmail.com</a>; Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.</li>  
<li>Andreas Reiter <a href="mailto:andreas.reiter@iaik.tugraz.at">andreas.reiter@iaik.tugraz.at</a>; Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.</li>  
<li>Kieran Miller <a href="mailto:kieran.miller@gmail.com">kieran.miller@gmail.com</a>; initial implementation for RFC 5649 key wrap with padding.</li>  
<li>Oliver Ehli <a href="mailto:ehli@arago.de">ehli@arago.de</a>; Additional support for BSI plain ECDSA in the provider.</li>  
<li>Daniel Heldt <a href="mailto:Daniel.Heldt@cryptovision.com">Daniel.Heldt@cryptovision.com</a>; Initial support for encodable state message digests</li>  
<li>Robert Bushman <a href="mailto:bouncycastle@traxel.com">bouncycastle@traxel.com</a>; Clean up of DirectKeySignature example.</li>  
<li>Maurice Aarts <a href="mailto:aarts@riscur.com">aarts@riscur.com</a>; updated to KDF generator to follow NIST SP 800-108.</li>  
<li>Franziskus Kiefer <a href="https://github.com/franziskuskiefer">https://github.com/franziskuskiefer</a>; initial implementation of Cramer-Shoup.</li>  
<li>KB Sriram <a href="mailto:mail\_kb@yahoo.com">mail\_kb@yahoo.com</a>; testing for odd encodings for PGP User Attribute Subpackets.</li>  
<li>Marco Schulze <a href="mailto:marco@nightlabs.de">marco@nightlabs.de</a>; Reported verification bug in GenericSigner.</li>  
<li>Martin Schaef <a href="https://github.com/martinschaef">https://github.com/martinschaef</a>; contributed a code-cleanup patch.</li>  
<li>dstutz <a href="https://github.com/dstutz">https://github.com/dstutz</a>; added iteration count setters to PKCS#12 PBE mac/key generator builders.</li>  
<li>Tobias Wich <a href="mailto:tobias.wich@ecsec.de">tobias.wich@ecsec.de</a>; Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.</li>  
<li>Hauke Mehrstens <a href="mailto:hauke@hauke-m.de">hauke@hauke-m.de</a>; TLS patch to add ECDHE\_ECDSA CCM ciphersuites from RFC 7251.</li>  
<li>Daniel Zimmerman <a href="mailto:dmz@galois.com">dmz@galois.com</a>; Further key quality improvements to RSAKeyPairGenerator.</li>

- <li>Jens Kapitzka <a href="https://github.com/jkapitzka/schwarze-allianz.de">j.kapitzka@schwarze-allianz.de</a>; Iterable support in OpenPGP API, code cleanup in OpenPGP API.</li>
- <li>Johan Eklund <a href="https://github.com/johanprimekey.se">johan@primekey.se</a>; update to RFC 6960 for OCSPObjectIdentifiers.</li>
- <li>nikosn <a href="https://github.com/nikosn">https://github.com/nikosn</a>; Fix to encoding of EC private keys to ensure encoding matches order length.</li>
- <li>Axel von dem Bruch <a href="https://github.com/axel-vdb/riseup.net">axel-vdb@riseup.net</a>; Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2bDigest.</li>
- <li>Derek Atkins <a href="https://github.com/derekahuffman">derek@ihftf.com</a>; Documentation fixes to X9ObjectIdentifiers.</li>
- <li>Peter Jr Halicky <a href="https://github.com/petohalicky.sk">peto@halicky.sk</a>; Correction to notification/error message handling in SignedMailValidator.</li>
- <li>IartiguePierre <a href="https://github.com/IartiguePierre">https://github.com/IartiguePierre</a>; Fix for counter signature SID in CMSSignedData.</li>
- <li>Thomas Belot <a href="https://github.com/thomas.belot+BC@gmail.com">thomas.belot+BC@gmail.com</a>; initial CertPathLoopTest for demonstrating stack overflow issue.</li>
- <li>Rich DiCroce <a href="https://github.com/rdicroce">https://github.com/rdicroce</a>; Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.</li>
- <li>Björn Kautler <a href="https://github.com/Vampire">https://github.com/Vampire</a>; Refinements to cert path validation (authority key addition, certificate order preservation).</li>
- <li>Dominik Schürmann <a href="https://github.com/dschuermann">https://github.com/dschuermann</a>; method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in PGPSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.</li>
- <li>Michael <a href="https://github.com/MSKnete">MSKnete@web.de</a>; initial fix for bitStrength issue for OpenPGP EC keys, correction for generic type on RecipientInformationStore.</li>
- <li>Tobias Wagner <a href="https://github.com/tobias.wagner@n-design.de">tobias.wagner@n-design.de</a>; Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].</li>
- <li>Sergio Giro <a href="https://github.com/sgiro">sgiro@google.com</a>; Fixed adding of additional stores from CRL distribution point [#BJA-537]. Fixed missing null check for CRL certificate issuer [#BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBEKeys that require it.</li>
- <li>bschuette <a href="https://github.com/bschuette">https://github.com/bschuette</a>; Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSSignedDataParser.</li>
- <li>Leonard Dallot <a href="https://github.com/dallotTazTag">https://github.com/dallotTazTag</a>; Fix to S2K usage of none on changing passwords on keys without passwords originally.</li>
- <li>Jan Willem Janssen <a href="https://github.com/j.w.janssen@bouncycastle.org">j.w.janssen@bouncycastle.org</a>; Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.</li>
- <li>Sebastian Oerding <a href="mailto:sebastian.oerding@robotron.de">sebastian.oerding@robotron.de</a>; Fixes to toString() in x509.CertificatePolicies.</li>
- <li>Kai Kramer <a href="https://github.com/kai.kramer@gmail.com">kai.kramer@gmail.com</a>; Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.</li>
- <li>Benoit Charles <a href="https://github.com/benoit.charles@opentrust.com">benoit.charles@opentrust.com</a>; Fix for IES data length check on decryption.</li>
- <li>Niko <a href="https://github.com/nfink95">nfink95@gmail.com</a>; fix to cast issue in getOutputSize() for ECIES.</li>
- <li>akwizgran <a href="https://github.com/akwizgran">https://github.com/akwizgran</a>; Fixed clone of key in Blake2bDigest copy constructor, blake2b reset issue for variant keys.</li>
- <li>Matthias Edelhoff <a href="https://github.com/Matthias.Edelhoff@cryptovision.com">Matthias.Edelhoff@cryptovision.com</a>; BasicConstraintsValidation pathlen fix in PKIX certpath classes.</li>
- <li>Lukasz Deputat <a href="https://github.com/lukasz.deputat@gmail.com">lukasz.deputat@gmail.com</a>; Fixed bugs in TlsUtils read methods [#BJA-592].</li>
- <li>Justin Ludwig <a href="https://github.com/justinludwig">https://github.com/justinludwig</a>; Iterator fix for PGPObjectFactory to handle stream packets at start of iterated data.</li>
- <li>André Berenguel <a href="https://github.com/aberenguel">https://github.com/aberenguel</a>; Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi.</li>
- <li>Slawomir Jaranowski <a href="https://github.com/slawekjaranowski">https://github.com/slawekjaranowski</a>; Patch to make cipher/hash/signature name

methods in PGP internal API public.</li>  
<li>Andrey Vasilyev &lt;https://github.com/andrey-vasilyev&gt; Initial implementation of GOST R 34.11-2012.</li>  
<li>William Glanton &lt;wglanton77&#064gmail.com&gt; Fixed bug in Poly1305 [#BJA-620].</li>  
<li>jdvorak001 &lt;https://github.com/jdvorak001&gt; Speed improvements for ASN.1 ObjectIdentifier cache.</li>  
<li>Joseph Naegele &lt;jnaegele&#064grierforensics.com&gt; Patch for handling multiple certificates in a DANE SMIMEA entry.</li>  
<li>Andrew Bonventre &lt;https://github.com/andybons&gt; NullPointer patch for WNAfUtil.</li>  
<li>The Google Security Team (Project Wycheproof) &lt;https://github.com/google/wycheproof&gt; defect analysis and additional test cases for the provider.</li>  
<li>Gorka Irazoqui &lt;girazoki&#064wpi.edu&gt; from Intel Security Center of Excellence &lt;https://security-center.intel.com/&gt; detection of the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine and finding cache sensitivities in EC key generation/signing.</li>  
<li>Joerg Senekowitsch &lt;joerg.senekowitsch&#064veridos.com&gt; patch to deal with hard coded boolean in EAC ECDSAPublicKey.</li>  
<li>Alexandr Krivoshta &lt;wipe&#064ya.ru&gt; N4 calculation fix to GOFB mode.</li>  
<li>Artem Storozhuk &lt;storajs72&#064gmail.com&gt; N4 calculation fix to GOFB mode.</li>  
<li>Na Yu &lt;na.yu&#064samsung.com&gt; Constructor patches to CMC PKIData.</li>  
<li>Evangelos Karatsiolis &lt;ekaratsiolis&#064mtg.de&gt; Corrected use of explicit tagging in X.509 PolicyConstraints class.</li>  
<li>VivleSoren &lt;https://github.com/VivleSoren&gt; additional constructor for McElieceCCA2PrivateKeyParameters.</li>  
<li>mtausig &lt;https://github.com/mtausig&gt; JavaDoc fix for MCSEncryptedDataGenerator.</li>  
<li>Anders Schack-Mulligen &lt;https://github.com/aschackmull&gt; code cleanups for CMSSignedDataParser, BrokenKDF2BytesGenerator.</li>  
<li>Sebastian Wolfgang Roland &lt;sebastianwolfgang.roland&#064stud.tu-darmstadt.de&gt; Initial XMSS/XMSS-MT implementation.</li>  
<li>didisoft &lt;https://github.com/didisoft&gt; test code for PGP signature removal involving user ids.</li>  
<li>Mike Safonov &lt;https://github.com/MikeSafonov&gt; initial implementation of GOST3410-2012 for light weight provider and JCA, parameters patches for ECGOST keys, initial implementation of GOST3412-2015, addition of fromExtensions() for CRLDistPoint.</li>  
<li>Artem Storozhuk &lt;storajs72&#064gmail.com&gt; initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.</li>  
<li>Andreas Glaser &lt;andreas.glaser&#064gi-de.com&gt; patch to recognise ANSSI curves for PKCS#10 requests.</li>  
<li>codeborne &lt;https://github.com/cbxp&gt; patch to correct OIDs used in public key digest parameters for ECGOST-2012.</li>  
<li>FauxFaux &lt;https://github.com/FauxFaux&gt; patch for JDK 1.9 update to DRBG.java.</li>  
<li>4garbage &lt;https://github.com/4garbage&gt; patch to allow GOST3410-94 private keys encoded as integers.</li>  
<li>ekszz &lt;https://github.com/ekszz&gt; corrections to SM2 signer to include default identity value.</li>  
<li>jminer &lt;https://github.com/jminer&gt; fix to Blake2b for hashes in range of 2\*\*64-127 to 2\*\*64.</li>  
<li>str4d &lt;https://github.com/str4d&gt; initial implementation of Blake2s</li>  
<li>Scott Woodward &lt;scott&#064bit3consulting.com&gt; performance fixes for CTRSP800DRBG.</li>  
<li>David Strawn &lt;https://github.com/isomarcte&gt; fix for off by one error in SCRYPT bounds checking.</li>  
<li>chris mccown &lt;0xchrismccown&#064gmail.com&gt; identification of serialisation issue with XMSS/XMSSMT private keys (see also CVE-2018-1000613).</li>  
<li>ZZMarquis &lt;https://github.com/ZZMarquis&gt; offset patches for SM2 encryption and decryption,

improvement to Array constant time comparison.</li>  
<li>Andreas Kretschmer &lt;https://github.com/Akretsch&gt; NPE fix for CertTemplate.getVersion()</li>  
<li>Armin Lunkeit, Michael Tautenhahn &lt;&gt; identification of M-R test issue on higher certainty values in RSA key pair generation.</li>  
<li>Vincent Breitmoser &lt;https://github.com/Valodim&gt; fix to ignore unnecessary checksum calculator on PGP secret key encryption.</li>  
<li>Adam Vartanian &lt;https://github.com/flooey&gt; use of ShortBuffer exception and buffer size pre-check in Cipher.doFinal().</li>  
<li>Bernd &lt;https://github.com/ecki&gt; Fix to make PGPUtil.pipeFileContents use buffer and not leak file handle.</li>  
<li>Shartung &lt;https://github.com/shartung&gt; Additional EC Key Agreement algorithms in support of German BSI TR-03111.</li>  
<li>Paul Schaub &lt;https://github.com/vanitasvitae&gt; bringing PGPSecretKey.getUserIds() into line with PGPPublicKey.getUserIds(). Exception message fix in BcPublicKeyDataDecryptorFactory. Additional tests on PGP key ring generation.</li>  
<li>Nick of Nexsar &lt;https://github.com/nros&gt; update to OpenPGP package to handle a broader range of EC curves.</li>  
<li>catbref &lt;https://github.com/catbref&gt; sample implementation of RFC 7748/Ed25519 (incorporated work from github users Valodim and str4d as well).</li>  
<li>gerlion &lt;https://github.com/gerlion&gt; detection of concurrency issue with pre-1.60 EC math library.</li>  
<li>fgrieu &lt;fgrieu#064gmail.com&gt; identification and suggested fixes for possible timing vulnerability in OAEPEncoding and RSACoreEngine.</li>  
<li>MTG &lt;https://github.com/mtgag&gt; patch for decoding issues in PKIPublicationInfo and CertifiedKeyPair.</li>  
<li>Andreas Gadermaier &lt;up.gadermaier#064gmail.com&gt; initial version of Argon2 PBKDF algorithm.</li>  
<li>Tony Washer &lt;tony.washer@yahoo.co.uk&gt; review of qTesla, Java 1.9 module code, additional test code and debugging for GOST, DSTU, and ECNR algorithms. Initial lightweight implementation of the ZUC ciphers and macs.</li>  
<li>Vincent Bouckaert &lt;https://github.com/veebee&gt; initial version of RFC 4998 ASN.1 classes.</li>  
<li>Tony Washer &lt;https://github.com/tonywasher&gt; ECIESKeyEncapsulation fix for use of OldCofactor mode. Submitted ChaCha20Poly1305 prototype.</li>  
<li>Aurimas Liutikas &lt;https://github.com/liutikas&gt; JavaDoc patches to ReasonsMask.</li>  
<li>Gabriel Sroka &lt;https://github.com/gabrielsroka&gt; corrected comments in RSA validation.</li>  
<li>sarah-mdv &lt;https://github.com/sarah-mdv&gt; improvements to JceKeyTransRecipientInfoGenerator, tests for JournalingSecureRandom, initial implementation of JournaledAlgorithm.</li>  
<li>Jesse Feinman &lt;https://github.com/jessefeinman&gt; performance optimisation in RSAKeyParameters.</li>  
<li>Gilis95 &lt;https://github.com/Gilis95&gt; improved JSSE compatibility for setEnabledCipherSuites.</li>  
<li>Haemin Yoo &lt;https://github.com/yoohaemin&gt; Javadoc fixes.</li>  
<li>Antoine Toulme &lt;https://github.com/atoulme&gt; Initial implementation of EthereumIESEngine.</li>  
<li>Golden Looly &lt;https://github.com/looly&gt; Patch for addition of C1C3C2 mode to SM2Engine.</li>  
<li>Moses Palm&eacute;r, TrueSec &lt;Henrik.Palmer#064truesec.se&gt; Additional improvements to constant time comparisons.</li>  
<li>Ren&eacute; Korthaus&lt;https://github.com/securitykernel&gt; Update to XMSS/XMSS^MT OID values to bring them in line with RFC 8391.</li>  
<li>THausherr&lt;https://github.com/THausherr&gt; Addition generic support for CMS/TSP functions.</li>  
<li>Gaylor Bosson&lt;https://github.com/Gilthoniel&gt; Initial implementation of Blake2xs.</li>  
<li>gaellalire&lt;https://github.com/gaellalire&gt; Patch for unprotected PGP private keys as SExpr.</li>  
<li>im-scooter&lt;https://github.com/im-scooter&gt; Patch for case-insensitive behaviour of Param-Z.</li>



- <li>Nick hitchan<&lt;https://github.com/hitchan&gt; Fix for typo in engineInitSign() in EdEc SignatureSpi.</li>
- <li>dbusche<&lt;https://github.com/dbusche&gt; Argon2 optimisations.</li>
- <li>Daniel Heldt<&lt;https://github.com/dheldt&gt; Fixing encodings in unicode tests to allow a wider range of Java compilers to work. Tweak to inheritance in JceKeyAgreeRecipient.</li>
- <li>Ugochukwu Mmaduekwe<&lt;https://github.com/Xor-el&gt; Fix for initially bugged legacy Integers.numberOfLeadingZeros method.</li>
- <li>Gsealy &lt;https://github.com/Gsealy&gt; addition of PBKDF2withHmacSM3 to the provider.</li>
- <li>aphuang2013 &lt;https://github.com/aphuang2013&gt; update to path validation in EST service for ClearPath EST.</li>
- <li>Kevin Herron &lt;https://github.com/kevinherron&gt; Initial ChaCha20Poly1305 prototype.</li>
- <li>vkreml &lt;https://github.com/svkreml&gt; GOST compliance change for DefaultCMSSignatureEncryptionAlgorithmFinder.</li>
- <li>Tobias Ospelt &lt;tobias&#064pentagrid.ch&gt; Identification of 1.63 regression in ASN.1 parsing.</li>

</ul>

</body>

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## 1.414 jackson-core 2.9.10

### 1.414.1 Available under license :

# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.

It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.

It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/rxtx/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/rxtx/RxtxDeviceAddress.java

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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/sctp/SctpChannelOption.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/rxtx/RxtxChannelConfig.java

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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/example/http/websocketx/client/WebSocketClientHandler.java

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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http2/Http2ConnectionPrefaceAndSettingsFrameWrittenEvent.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/AbstractCoalescingBufferQueue.java

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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/sctp/SctpMessage.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/sctp/SctpChannelConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/sctp/SctpNotificationHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/sctp/nio/NioSctpChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/traffic/AbstractTrafficShapingHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/sctp/DefaultSctpChannelConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/sctp/SctpServerChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/sctp/nio/NioSctpServerChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/example/worldclock/WorldClockProtocol.proto  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/sctp/SctpServerChannelConfig.java  
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- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/internal/tcnative/SSLContext.java
- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/internal/tcnative/Library.java
- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/internal/tcnative/Buffer.java

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- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/example/http/cors/OkResponseHandler.java
- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http/cors/CorsConfig.java

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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http2/HpackHeaderField.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http2/HpackHuffmanEncoder.java

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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http2/HpackDynamicTable.java

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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http2/HpackStaticTable.java

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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codecsctp/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/udt/nio/NioUdtMessageConnectorChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/udt/nio/NioUdtAcceptorChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/traffic/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/traffic/TrafficCounter.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/udt/UdtChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/traffic/GlobalTrafficShapingHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codecsctp/SctpInboundByteStreamHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/udt/nio/NioUdtByteAcceptorChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codecsctp/SctpMessageToMessageDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codecsctp/SctpMessageCompletionHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/udt/nio/NioUdtByteConnectorChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/udt/nio/NioUdtProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/udt/nio/NioUdtByteRendezvousChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/udt/nio/NioUdtMessageRendezvousChannel.java  
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jar/io/netty/handler/ssl/util/SelfSignedCertificate.java
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jar/io/netty/channel/group/ChannelMatcher.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/example/worldclock/WorldClockProtocol.java  
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jar/io/netty/handler/codec/memcache/AbstractMemcacheObjectEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheRequestDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http/DefaultFullHttpRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-

jar/io/netty/channel/ConnectTimeoutException.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/socket/oio/OioServerSocketChannelConfig.java  
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jar/io/netty/util/ReferenceCounted.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/xml/XmlFrameDecoder.java  
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jar/io/netty/example/rxtx/RxtxClientHandler.java  
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jar/io/netty/channel/epoll/Native.java  
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jar/io/netty/handler/codec/spdy/DefaultSpdyDataFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/concurrent/DefaultFutureListeners.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/memcache/DefaultLastMemcacheContent.java  
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jar/io/netty/channel/udt/UdtServerChannelConfig.java  
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jar/io/netty/handler/codec/spdy/SpdyHeaderBlockRawEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/internal/logging/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/internal/NoOpTypeParameterMatcher.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/AddressedEnvelope.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/concurrent/AbstractFuture.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/socks/SocksCmdStatus.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/group/ChannelGroup.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/concurrent/PromiseTask.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/buffer/ReadOnlyUnsafeDirectByteBuffer.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/concurrent/ImmediateExecutor.java  
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jar/io/netty/handler/codec/spdy/SpdyWindowUpdateFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http/websocketx/WebSocketFrameAggregator.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/socksx/v5/Socks5AddressType.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/memcache/binary/package-info.java  
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jar/io/netty/handler/codec/memcache/binary/AbstractBinaryMemcacheDecoder.java  
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jar/io/netty/buffer/AdvancedLeakAwareByteBuf.java  
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jar/io/netty/util/internal/RecyclableArrayList.java  
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jar/io/netty/handler/codec/spdy/DefaultSpdyStreamFrame.java  
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jar/io/netty/util/concurrent/AbstractEventExecutor.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/spdy/DefaultSpdyHeadersFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/spdy/DefaultSpdyPingFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http/websocketx/WebSocketClientProtocolHandshakeHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/spdy/SpdySynReplyFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/DefaultMessageSizeEstimator.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/spdy/DefaultSpdyWindowUpdateFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/ResourceLeakDetector.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-

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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/buffer/ByteBufProcessor.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/concurrent/GenericProgressiveFutureListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/internal/PlatformDependent0.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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jar/io/netty/handler/codec/spdy/SpdyHeaderBlockEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http/cors/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/spdy/SpdySessionStatus.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http/websocketx/WebSocketProtocolHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/memcache/binary/DefaultFullBinaryMemcacheResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/AbstractReferenceCounted.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http/FullHttpResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/ssl/SslHandshakeCompletionEvent.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/ResourceLeak.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/DefaultChannelId.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheRequestEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/socks/SocksProtocolVersion.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/concurrent/ProgressiveFuture.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheServerCodec.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/memcache/MemcacheObject.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/buffer/ReadOnlyByteBufferBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/spdy/SpdyRstStreamFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/socks/SocksCmdType.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http/FullHttpRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/memcache/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/concurrent/ThreadPerTaskExecutor.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-

jar/io/netty/handler/codec/http/websocketx/WebSocketFrameEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/concurrent/CompleteFuture.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/concurrent/DefaultPromise.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/buffer/UnreleasableByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http/DefaultFullHttpResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/example/http/helloworld/HttpHelloWorldServerInitializer.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/ChannelHandlerAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/internal/AppendableCharSequence.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheMessage.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/concurrent/ProgressivePromise.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/spdy/SpdyGoAwayFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/socks/SocksMessageType.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/ResourceLeakException.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/spdy/SpdySettingsFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/SimpleChannelInboundHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/spdy/SpdySessionHandler.java  
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*/
/**
* Enumeration of supported Base64 dialects.
* <p>
* The internal lookup tables in this class has been derived from
* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
* Base64 Encoder/Decoder</a>.
*/
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-
jar/io/netty/handler/codec/base64/Base64Dialect.java
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jar/io/netty/handler/codec/http/websocketx/WebSocket08FrameDecoder.java
```

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* /opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-
```

jar/io/netty/handler/codec/http/websocketx/WebSocket13FrameDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http/websocketx/WebSocket07FrameDecoder.java  
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```
* /opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/redis/FixedRedisMessagePool.java  
* /opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/redis/RedisConstants.java  
* /opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/redis/RedisArrayAggregator.java  
* /opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/redis/RedisMessageType.java  
* /opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/redis/RedisMessagePool.java  
* /opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/example/redis/RedisClient.java  
* /opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/redis/ArrayRedisMessage.java  
* /opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/redis/BulkStringRedisContent.java  
* /opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/redis/ErrorRedisMessage.java  
* /opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/example/http2/helloworld/multiplex/server/Http2OrHttpHandler.java  
* /opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/redis/SimpleStringRedisMessage.java  
* /opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/example/http2/helloworld/frame/server/HelloWorldHttp2Handler.java  
* /opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/redis/LastBulkStringRedisContent.java
```

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/redis/ArrayHeaderRedisMessage.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/example/http2/helloworld/multiplex/server/HelloWorldHttp2Handler.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/redis/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/redis/RedisEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/redis/IntegerRedisMessage.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/redis/DefaultBulkStringRedisContent.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/redis/RedisCodecUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/redis/RedisBulkStringAggregator.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/redis/BulkStringHeaderRedisMessage.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/redis/FullBulkStringRedisMessage.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/redis/RedisMessage.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/redis/AbstractStringRedisMessage.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/example/http2/helloworld/frame/server/Http2OrHttpHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/redis/RedisDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/redis/RedisCodecException.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/redis/DefaultLastBulkStringRedisContent.java  
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```

*   { @code @Override }
*   public void channelRead0({ @link ChannelHandlerContext } ctx, Message message) {
*       if (message instanceof LoginMessage) {
*           authenticate((LoginMessage) message);
*           <b>loggedIn = true;</b>
*       } else (message instanceof GetDataMessage) {
*           if (<b>loggedIn</b>) {
*               ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*           } else {
*               fail();
*           }
*       }
*   }
* }
* ...
* }
* </pre>

```

\* Because the handler instance has a state variable which is dedicated to one connection, you have to create a new handler instance for each new channel to avoid a race condition where a unauthenticated client can get the confidential information:

```

* <pre>
* // Create a new handler instance per channel.
* // See { @link ChannelInitializer#initChannel(Channel) }.
* public class DataServerInitializer extends { @link ChannelInitializer } &lt; { @link Channel } &gt; {
*   { @code @Override }
*   public void initChannel({ @link Channel } channel) {
*       channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
*   }
* }
* }
* </pre>

```

\* <h4>Using { @link AttributeKey }s</h4>

\* Although it's recommended to use member variables to store the state of a handler, for some reason you might not want to create many handler instances. In such a case, you can use { @link AttributeKey }s which is provided by { @link ChannelHandlerContext }:

```

* <pre>
* public interface Message {
*   // your methods here
* }
*
* { @code @Sharable }
* public class DataServerHandler extends { @link SimpleChannelInboundHandler } &lt; Message &gt; {
*   private final { @link AttributeKey } &lt; { @link Boolean } &gt; auth =
*       { @link AttributeKey#valueOf(String) AttributeKey.valueOf("auth") };
* }

```

```

* { @code @Override }
* public void channelRead({ @link ChannelHandlerContext } ctx, Message message) {
*     { @link Attribute } &lt; &lt; { @link Boolean } &gt; &gt;; attr = ctx.attr(auth);
*     if (message instanceof LoginMessage) {
*         authenticate((LoginMessage) o);
*         <b>attr.set(true)</b>;
*     } else (message instanceof GetDataMessage) {
*         if (<b>Boolean.TRUE.equals(attr.get())</b>) {
*             ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
*         } else {
*             fail();
*         }
*     }
* }
* }
* ...
* }
* </pre>

```

\* Now that the state of the handler is attached to the { @link ChannelHandlerContext }, you can add the same handler instance to different pipelines:

```

* <pre>
* public class DataServerInitializer extends { @link ChannelInitializer } &lt; &lt; { @link Channel } &gt; &gt; {
*
*     private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
*
*     { @code @Override }
*     public void initChannel({ @link Channel } channel) {
*         channel.pipeline().addLast("handler", <b>SHARED</b>);
*     }
* }
* </pre>

```

\* <h4>The { @code @Sharable } annotation</h4>

\* <p>

\* In the example above which used an { @link AttributeKey }, you might have noticed the { @code @Sharable } annotation.

\* <p>

\* If a { @link ChannelHandler } is annotated with the { @code @Sharable } annotation, it means you can create an instance of the handler just once and add it to one or more { @link ChannelPipeline }s multiple times without a race condition.

\* <p>

\* If this annotation is not specified, you have to create a new handler instance every time you add it to a pipeline because it has unshared state such as member variables.

\* <p>

\* This annotation is provided for documentation purpose, just like

\* <a href="http://www.javaconcurrencyinpractice.com/annotations/doc/">the JCIP annotations</a>.



\*  
\* <h3>Additional resources worth reading</h3>  
\* <p>  
\* Please refer to the { @link ChannelHandler}, and  
\* { @link ChannelPipeline} to find out more about inbound and outbound operations,  
\* what fundamental differences they have, how they flow in a pipeline, and how to handle  
\* the operation in your application.  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/ChannelHandler.java

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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/sctp/oio/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http/DefaultHttpObject.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/socks/SocksInitResponse.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/util/concurrent/FailedFuture.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/example/udt/echo/rendezvous/MsgEchoPeerHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http/HttpHeaderDateFormat.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/example/http/upload/HttpUploadServerInitializer.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-

jar/io/netty/channel/socket/oio/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/example/objectecho/ObjectEchoServer.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/marshalling/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/socket/oio/OioSocketChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/example/sctp/SctpEchoServerHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/buffer/UnpooledUnsafeDirectByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/socks/SocksCmdResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/example/socksproxy/DirectClientHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/socket/SocketChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/socksx/v5/DefaultSocks5PasswordAuthResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/example/http/file/HttpStaticFileServerInitializer.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http/multipart/AbstractHttpData.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http/websocketx/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/local/LocalAddress.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http/HttpContentDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/buffer/PoolChunkList.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/example/sctp/SctpEchoClientHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/stream/ChunkedWriteHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/example/localecho/LocalEchoClientHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/AbstractServerChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/marshalling/MarshallerProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/DefaultEventLoopGroup.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/ReplayingDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/EventLoop.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/spdy/SpdyHttpEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/example/proxy/HexDumpProxy.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/example/objectecho/ObjectEchoClient.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/nio/NioEventLoop.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http/multipart/DiskAttribute.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-

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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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jar/io/netty/example/udt/echo/rendezvousBytes/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http/HttpHeaders.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/example/securechat/SecureChatServer.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/base64/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/socks/SocksAuthRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http/multipart/MixedFileUpload.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/example/telnet/TelnetClientInitializer.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/serialization/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/example/proxy/HexDumpProxyBackendHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/local/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/internal/StringUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/buffer/PoolThreadCache.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http/HttpResponseEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/Signal.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/spdy/SpdyHttpResponseStreamIdHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/CorruptedFrameException.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/DefaultChannelPromise.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/base64/Base64Decoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/socket/SocketChannelConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/AttributeMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/buffer/ByteBufAllocator.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-

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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/ChannelInboundHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/buffer/DuplicatedByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/marshalling/ChannelBufferByteInput.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/buffer/PoolArena.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/TimerTask.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/string/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/udt/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/concurrent/EventExecutorGroup.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/socksx/v4/Socks4ClientDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/buffer/PooledByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/buffer/AbstractByteBufAllocator.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/example/uptime/UptimeClient.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/ByteToMessageDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/bootstrap/ServerBootstrap.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/stream/ChunkedNioFile.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/example/socksproxy/SocksServerInitializer.java  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-

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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/kqueue/KQueueDomainSocketChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/util/concurrent/DefaultEventExecutorChooserFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/ssl/util/X509TrustManagerWrapper.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http2/Http2StreamFrameToHttpObjectCodec.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/ssl/PemValue.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/kqueue/NativeLongArray.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/kqueue/AbstractKQueueStreamChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/SelectStrategyFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/resolver/dns/DefaultDnsCache.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/kqueue/KQueueEventLoopGroup.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http2/Http2PingFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/kqueue/KQueueSocketChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/buffer/PooledSlicedByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/smtp/DefaultSmtpContent.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/kqueue/KQueueDatagramChannel.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http2/Http2ResetFrame.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2ResetFrame.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/util/internal/MacAddressUtil.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/buffer/WrappedUnpooledUnsafeDirectByteBuf.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/unix/Limits.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/util/internal/NativeLibraryUtil.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http2/Http2HeadersFrame.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/internal/tcnative/SessionTicketKey.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/buffer/AdvancedLeakAwareCompositeByteBuf.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/smtp/SmtpResponse.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/unix/PeerCredentials.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/example/http2/helloworld/frame/server/Http2Server.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/dns/DnsOptEcsRecord.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/buffer/PooledDuplicatedByteBuf.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/kqueue/KQueueServerSocketChannelConfig.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslContext.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/smtp/SmtpUtils.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2SettingsFrame.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsOptEcsRecord.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http2/Http2StreamFrame.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/util/concurrent/EventExecutorChooserFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http2/Http2FrameStreamException.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/group/VoidChannelGroupFuture.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/kqueue/AbstractKQueueChannel.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/flow/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/ssl/OpenSslCertificateException.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/ssl/ReferenceCountedOpenSslEngine.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/DefaultSelectStrategyFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/SelectStrategy.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/util/internal/ThrowableUtil.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/bootstrap/ServerBootstrapConfig.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http/Http2FrameStream.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/haproxy/HAProxyTLV.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/resolver/dns/InflightNameResolver.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/util/concurrent/OrderedEventExecutor.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/smtp/SmtpResponseDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/DatagramPacketEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/smtp/SmtpRequest.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/WriteBufferWaterMark.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/kqueue/KQueueChannelConfig.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http/HttpServerKeepAliveHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http/DefaultHttp2GoAwayFrame.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketChunkedInput.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http/DefaultHttp2PingFrame.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/util/ResourceLeakTracker.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/compression/CompressionUtil.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/ssl/PemX509Certificate.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/util/internal/logging/Log4JLogger.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/string/LineEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/example/redis/RedisClientHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http2/AbstractHttp2StreamFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/unix/SocketWritableByteChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/util/concurrent/RejectedExecutionHandlers.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/util/concurrent/RejectedExecutionHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/socket/DuplexChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http2/Http2MultiplexCodec.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/util/internal/OutOfDirectMemoryError.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/buffer/SimpleLeakAwareCompositeByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/util/BooleanSupplier.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http2/InboundHttpToHttp2Adapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/util/internal/UnstableApi.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/kqueue/KQueueRecvByteAllocatorHandle.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/util/internal/PromiseNotificationUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/bootstrap/AbstractBootstrapConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/epoll/LinuxSocket.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/smtp/DefaultLastSmtpContent.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/kqueue/KQueueServerSocketChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/string/LineSeparator.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/smtp/DefaultSmtpResponse.java

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 * distributed under the License is distributed on an "AS IS" BASIS, 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.
 */
/**
 * Set the {@code TCP_MD5SIG} option on the socket. See {@code linux/tcp.h} for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
 */
/**
 * Set the {@code TCP_QUICKACK} option on the socket. See <a
 href="http://linux.die.net/man/7/tcp">TCP_QUICKACK</a>
 * for more details.
 */
```

Found in path(s):

```
*/opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-
jar/io/netty/channel/epoll/EpollSocketChannelConfig.java
```

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 */
```

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```
* /opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-
jar/io/netty/example/ocsp/Digester.java
* /opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-
jar/io/netty/example/ocsp/OcspServerExample.java
* /opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-
jar/io/netty/example/ocsp/OcspRequestBuilder.java
* /opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-
jar/io/netty/example/ocsp/OcspUtils.java
* /opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-
jar/io/netty/example/ocsp/OcspClientExample.java
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```

```
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 * distributed under the License is distributed on an "AS IS" BASIS, 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.
 */
/**
 * A decoder that splits the received {@link ByteBuf}s dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
 * length of the message body or the whole message.
 *
 * <p>
 * { @link LengthFieldBasedFrameDecoder } has many configuration parameters so
 * that it can decode any message with a length field, which is often seen in
 * proprietary client-server protocols. Here are some example that will give
 * you the basic idea on which option does what.
 *
 * <h3>2 bytes length field at offset 0, do not strip header</h3>
 *
 * The value of the length field in this example is <tt>12 (0x0C)</tt> which
 * represents the length of "HELLO, WORLD". By default, the decoder assumes
 * that the length field represents the number of the bytes that follows the
 * length field. Therefore, it can be decoded with the simplistic parameter
 * combination.
 *
 * <pre>
 * <b>lengthFieldOffset</b> = <b>0</b>
 * <b>lengthFieldLength</b> = <b>2</b>
 */
```



```

* lengthAdjustment = 0
* initialBytesToStrip = 0 (= do not strip header)
*
* BEFORE DECODE (14 bytes)    AFTER DECODE (14 bytes)
* +-----+-----+ +-----+-----+
* | Length | Actual Content |---->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" |    | 0x000C | "HELLO, WORLD" |
* +-----+-----+ +-----+-----+
* </pre>

```

\* <h3>2 bytes length field at offset 0, strip header</h3>

\* Because we can get the length of the content by calling  
\* { @link ByteBuf#readableBytes() }, you might want to strip the length  
\* field by specifying <tt>initialBytesToStrip</tt>. In this example, we  
\* specified <tt>2</tt>, that is same with the length of the length field, to  
\* strip the first two bytes.

```

* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* lengthAdjustment = 0
* <b>initialBytesToStrip</b> = <b>2</b> (= the length of the Length field)

```

```

* BEFORE DECODE (14 bytes)    AFTER DECODE (12 bytes)
* +-----+-----+ +-----+-----+
* | Length | Actual Content |---->| Actual Content |
* | 0x000C | "HELLO, WORLD" |    | "HELLO, WORLD" |
* +-----+-----+ +-----+-----+
* </pre>

```

\* <h3>2 bytes length field at offset 0, do not strip header, the length field  
\* represents the length of the whole message</h3>

\* In most cases, the length field represents the length of the message body  
\* only, as shown in the previous examples. However, in some protocols, the  
\* length field represents the length of the whole message, including the  
\* message header. In such a case, we specify a non-zero  
\* <tt>lengthAdjustment</tt>. Because the length value in this example message  
\* is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>  
\* as <tt>lengthAdjustment</tt> for compensation.

```

* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-2</b> (= the length of the Length field)
* initialBytesToStrip = 0

```

```

* BEFORE DECODE (14 bytes)    AFTER DECODE (14 bytes)
* +-----+-----+ +-----+-----+

```

```

* | Length | Actual Content |---->| Length | Actual Content |
* | 0x000E | "HELLO, WORLD" |   | 0x000E | "HELLO, WORLD" |
* +-----+-----+-----+ +-----+-----+
* </pre>
*
* <h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>
*
* The following message is a simple variation of the first example. An extra
* header value is prepended to the message. <tt>lengthAdjustment</tt> is zero
* again because the decoder always takes the length of the prepended data into
* account during frame length calculation.
* <pre>
* <b>lengthFieldOffset</b> = <b>2</b> (= the length of Header 1)
* <b>lengthFieldLength</b> = <b>3</b>
* lengthAdjustment = 0
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)          AFTER DECODE (17 bytes)
* +-----+-----+-----+ +-----+-----+
* | Header 1 | Length | Actual Content |---->| Header 1 | Length | Actual Content |
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |   | 0xCAFE | 0x00000C | "HELLO, WORLD" |
* +-----+-----+-----+ +-----+-----+
* </pre>
*
* <h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>
*
* This is an advanced example that shows the case where there is an extra
* header between the length field and the message body. You have to specify a
* positive <tt>lengthAdjustment</tt> so that the decoder counts the extra
* header into the frame length calculation.
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 3
* <b>lengthAdjustment</b> = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)          AFTER DECODE (17 bytes)
* +-----+-----+-----+ +-----+-----+
* | Length | Header 1 | Actual Content |---->| Length | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE | "HELLO, WORLD" |   | 0x00000C | 0xCAFE | "HELLO, WORLD" |
* +-----+-----+-----+ +-----+-----+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field</h3>
*
* This is a combination of all the examples above. There are the prepended
* header before the length field and the extra header after the length field.

```



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* /opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-
jar/io/netty/util/concurrent/FastThreadLocalRunnable.java
* /opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-
jar/io/netty/util/internal/Cleaner.java
* /opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-
jar/io/netty/util/internal/CleanerJava9.java
```

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jar/io/netty/util/internal/ResourcesUtil.java
* /opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-
jar/io/netty/util/ByteProcessorUtils.java
* /opt/ws_local/PERMITS_SQL/1012082051_1591376642.53/0/netty-all-4-1-42-final-sources-
jar/io/netty/handler/codec/redis/InlineCommandRedisMessage.java
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// <https://tools.ietf.org/html/rfc7540#section-8.1.2.2> makes a special exception for TE

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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http2/HttpConversionUtil.java

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/\*\*

\* Utility class for {@link ByteBuf} that encodes and decodes to and from

\* [Base64](http://en.wikipedia.org/wiki/Base64) notation.

\* <p>

\* The encoding and decoding algorithm in this class has been derived from

\* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain  
\* Base64 Encoder/Decoder</a>.  
\*/

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jar/io/netty/handler/codec/base64/Base64.java

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jar/io/netty/handler/codec/http2/InboundHttp2ToHttpAdapterBuilder.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http2/DecoratingHttp2ConnectionDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/internal/MathUtil.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http2/DecoratingHttp2FrameWriter.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/CoalescingBufferQueue.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/DefaultHeadersImpl.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http2/StreamBufferingEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http2/AbstractInboundHttp2ToHttpAdapterBuilder.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/ValueConverter.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/CharSequenceValueConverter.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http2/UniformStreamByteDistributor.java

\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http2/Http2PromisedRequestVerifier.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http2/Http2StreamVisitor.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/util/ByteProcessor.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http2/WeightedFairQueueByteDistributor.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http2/StreamByteDistributor.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http2/DecoratingHttp2ConnectionEncoder.java  
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jar/io/netty/util/internal/logging/InternalLogger.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/internal/logging/CommonsLogger.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/internal/logging/JdkLogger.java

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- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/resolver/dns/SequentialDnsServerAddressStream.java
- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/unix/FileDescriptor.java
- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http2/HttpToHttp2ConnectionHandlerBuilder.java
- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsQuery.java
- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/unix/UnixChannel.java
- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/util/concurrent/AbstractScheduledEventExecutor.java
- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/pool/ChannelHealthChecker.java
- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http2/Http2ConnectionHandlerBuilder.java
- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/epoll/EpollMode.java
- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/channel/epoll/EpollServerDomainSocketChannel.java
- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/dns/DnsResponse.java
- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/example/sctp/multihoming/SctpMultiHomingEchoServer.java
- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http/cookie/ServerCookieDecoder.java
- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/example/http2/tiles/FallbackRequestHandler.java
- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsQuery.java
- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsQueryDecoder.java
- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/example/http2/tiles/Http2RequestHandler.java
- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/buffer/UnsafeByteBufUtil.java
- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/buffer/PoolArenaMetric.java
- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-

jar/io/netty/handler/codec/socksx/SocksPortUnificationServerHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/resolver/dns/DnsQueryContextManager.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http/cookie/CookieHeaderNames.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/pool/FixedChannelPool.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/dns/DnsRecordEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/dns/DnsQuestion.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http/HttpUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/example/http2/helloworld/server/HelloWorldHttp2HandlerBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/example/http2/tiles/Http2Server.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/dns/DnsRecordType.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http/HttpScheme.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/HeadersUtils.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/dns/DnsOpCode.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/unix/Socket.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/resolver/AddressResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/resolver/dns/RotationalDnsServerAddresses.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/example/http2/tiles/Html.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/MaxMessagesRecvByteBufAllocator.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/pool/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/pool/SimpleChannelPool.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/unix/DomainSocketReadMode.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-

jar/io/netty/channel/DefaultMaxBytesRecvByteBufAllocator.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/resolver/dns/DefaultDnsServerAddresses.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/dns/DefaultDnsRecordDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/AsyncMapping.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/concurrent/ThreadProperties.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/epoll/EpollDomainSocketChannelConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/resolver/DefaultNameResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/socksx/v5/Socks5AddressEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http/cookie/ServerCookieEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/ssl/ApplicationProtocolNegotiationHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/pool/ChannelPoolHandler.java  
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jar/io/netty/resolver/dns/DnsServerAddressStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/resolver/dns/DefaultAuthoritativeDnsServerCache.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/resolver/dns/DnsAddressResolveContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/resolver/dns/NameServerComparator.java



\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/util/internal/SuppressJava6Requirement.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/resolver/dns/DefaultDnsCnameCache.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/resolver/dns/AuthoritativeDnsServerCache.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/resolver/dns/Cache.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/ssl/OpenSslTlsv13X509ExtendedTrustManager.java  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/example/spdy/server/SpdyServerInitializer.java  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/spdy/SpdyProtocolException.java  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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jar/io/netty/handler/ssl/Java7SslParametersUtils.java  
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jar/io/netty/handler/codec/compression/Lz4FrameEncoder.java  
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jar/io/netty/handler/codec/http/websocketx/extensions/compression/WebSocketServerCompressionHandler.java  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/internal/UnpaddedInternalThreadLocalMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/ssl/JettyAlpnSslEngine.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/PendingWriteQueue.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/example/http/websocketx/benchmarkserver/WebSocketServerInitializer.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/haproxy/HaproxyMessageDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-

jar/io/netty/example/spdy/server/SpdyServerHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/example/http2/helloworld/server/Http2Server.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/xml/XmlNamespace.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/resolver/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerFrameDeflateDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/mqtt/MqttUnsubAckMessage.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/stomp/LastStompContentSubframe.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/ssl/OpenSslDefaultApplicationProtocolNegotiator.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/codec/stomp/DefaultStompHeaders.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/handler/ipfilter/IpSubnetFilterRule.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/example/file/FileServerHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-



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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-

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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/resolver/NoopAddressResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/util/Mapping.java  
\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/util/collection/IntObjectMap.java  
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- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/internal/tcnative/SniHostNameMatcher.java
- \* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-jar/io/netty/handler/codec/http2/Http2UnknownFrame.java
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\* Set the {@code TCP\_MD5SIG} option on the socket. See {@code linux/tcp.h} for more details.

\* Keys can only be set on, not read to prevent a potential leak, as they are confidential.

\* Allowing them being read would mean anyone with access to the channel could get them.

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\* /opt/ws\_local/PERMITS\_SQL/1012082051\_1591376642.53/0/netty-all-4-1-42-final-sources-  
jar/io/netty/channel/epoll/EpollServerSocketChannelConfig.java

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# 1.417 udev 237-3ubuntu10.33

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```

```
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```

```
package com.sun.javafx.runtime.eula;
```

```
/**
```

```
* A simple interface to show the End User License Agreement(EULA) dialog
*/
```

```
public interface Eula {
```

```
    /**
```

```
     * display the eula dialog, if not already shown
     * @return false if eula was rejected, true otherwise
```

```
    */
```

```
    public boolean show();
```

```
    /**
```

```
     * accept the EULA, so no EULA dialog will be displayed
```

```
    */
```

```
    public void accept();
```

```
}
```

```
/*
```

```
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*/
```

```
package java.security;
```

```
/**
```

```
* Abstract class for representing access to a system resource.  
* All permissions have a name (whose interpretation depends on the subclass),  
* as well as abstract functions for defining the semantics of the  
* particular Permission subclass.  
*  
* <p>Most Permission objects also include an "actions" list that tells the actions  
* that are permitted for the object. For example,  
* for a { @code java.io.FilePermission } object, the permission name is  
* the pathname of a file (or directory), and the actions list  
* (such as "read, write") specifies which actions are granted for the  
* specified file (or for files in the specified directory).  
* The actions list is optional for Permission objects, such as  
* { @code java.lang.RuntimePermission },  
* that don't need such a list; you either have the named permission (such  
* as "system.exit") or you don't.  
*  
* <p>An important method that must be implemented by each subclass is  
* the { @code implies } method to compare Permissions. Basically,  
* "permission p1 implies permission p2" means that  
* if one is granted permission p1, one is naturally granted permission p2.  
* Thus, this is not an equality test, but rather more of a  
* subset test.  
*  
* <P> Permission objects are similar to String objects in that they  
* are immutable once they have been created. Subclasses should not  
* provide methods that can change the state of a permission  
* once it has been created.  
*  
* @see Permissions  
* @see PermissionCollection  
*  
* @author Marianne Mueller  
* @author Roland Schemers  
*/
```

```
public abstract class Permission implements Guard, java.io.Serializable {
```

```
    private static final long serialVersionUID = -5636570222231596674L;
```

```
    private String name;
```

```
    /**
```

```
     * Constructs a permission with the specified name.
```



```

*
* @param name name of the Permission object being created.
*
*/

public Permission(String name) {
    this.name = name;
}

/**
 * Implements the guard interface for a permission. The
 * {@code SecurityManager.checkPermission} method is called,
 * passing this permission object as the permission to check.
 * Returns silently if access is granted. Otherwise, throws
 * a SecurityException.
 *
 * @param object the object being guarded (currently ignored).
 *
 * @throws SecurityException
 *         if a security manager exists and its
 *         {@code checkPermission} method doesn't allow access.
 *
 * @see Guard
 * @see GuardedObject
 * @see SecurityManager#checkPermission
 *
 */
public void checkGuard(Object object) throws SecurityException {
    SecurityManager sm = System.getSecurityManager();
    if (sm != null) sm.checkPermission(this);
}

/**
 * Checks if the specified permission's actions are "implied by"
 * this object's actions.
 * <P>
 * This must be implemented by subclasses of Permission, as they are the
 * only ones that can impose semantics on a Permission object.
 *
 * <p>The {@code implies} method is used by the AccessController to determine
 * whether or not a requested permission is implied by another permission that
 * is known to be valid in the current execution context.
 *
 * @param permission the permission to check against.
 *
 * @return true if the specified permission is implied by this object,
 *         false if not.
 */

```

```

public abstract boolean implies(Permission permission);

/**
 * Checks two Permission objects for equality.
 * <P>
 * Do not use the { @code equals } method for making access control
 * decisions; use the { @code implies } method.
 *
 * @param obj the object we are testing for equality with this object.
 *
 * @return true if both Permission objects are equivalent.
 */

public abstract boolean equals(Object obj);

/**
 * Returns the hash code value for this Permission object.
 * <P>
 * The required { @code hashCode } behavior for Permission Objects is
 * the following:
 * <ul>
 * <li>Whenever it is invoked on the same Permission object more than
 * once during an execution of a Java application, the
 * { @code hashCode } method
 * must consistently return the same integer. This integer need not
 * remain consistent from one execution of an application to another
 * execution of the same application.
 * <li>If two Permission objects are equal according to the
 * { @code equals }
 * method, then calling the { @code hashCode } method on each of the
 * two Permission objects must produce the same integer result.
 * </ul>
 *
 * @return a hash code value for this object.
 */

public abstract int hashCode();

/**
 * Returns the name of this Permission.
 * For example, in the case of a { @code java.io.FilePermission },
 * the name will be a pathname.
 *
 * @return the name of this Permission.
 */

```

```

public final String getName() {
    return name;
}

/**
 * Returns the actions as a String. This is abstract
 * so subclasses can defer creating a String representation until
 * one is needed. Subclasses should always return actions in what they
 * consider to be their
 * canonical form. For example, two FilePermission objects created via
 * the following:
 *
 * <pre>
 * perm1 = new FilePermission(p1,"read,write");
 * perm2 = new FilePermission(p2,"write,read");
 * </pre>
 *
 * both return
 * "read,write" when the { @code getActions } method is invoked.
 *
 * @return the actions of this Permission.
 */

public abstract String getActions();

/**
 * Returns an empty PermissionCollection for a given Permission object, or null if
 * one is not defined. Subclasses of class Permission should
 * override this if they need to store their permissions in a particular
 * PermissionCollection object in order to provide the correct semantics
 * when the { @code PermissionCollection.implies } method is called.
 * If null is returned,
 * then the caller of this method is free to store permissions of this
 * type in any PermissionCollection they choose (one that uses a Hashtable,
 * one that uses a Vector, etc).
 *
 * @return a new PermissionCollection object for this type of Permission, or
 * null if one is not defined.
 */

public PermissionCollection newPermissionCollection() {
    return null;
}

/**
 * Returns a string describing this Permission. The convention is to
 * specify the class name, the permission name, and the actions in

```

```

* the following format: ('ClassName" "name" "actions"), or
* ('ClassName" "name")' if actions list is null or empty.
*
* @return information about this Permission.
*/
public String toString() {
    String actions = getActions();
    if ((actions == null) || (actions.length() == 0)) { // OPTIONAL
        return "(" + getClass().getName() + "\" \" + name + "\"";
    } else {
        return "(" + getClass().getName() + "\" \" + name +
            "\" \" + actions + "\"";
    }
}
}
}

```

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APPLICATION_LICENSE_TEXT
4;)
*+-
.
/0
1 2 3 45USER
PermissionInnerClasses$Lsun/net/ftp/FtpDirEntry$Permission;GROUPOOTHERSvalueI$VALUES%[Lsun/net/ftp/Ft
pDirEntry$Permission;values')[Lsun/net/ftp/FtpDirEntry$Permission;CodeLineNumberTablevalueOf8(Ljava/lang/
String;)Lsun/net/ftp/FtpDirEntry$Permission;<init>(Ljava/lang/String;II)V
Signature(I)V<clinit>()V6Ljava/lang/Enum<Lsun/net/ftp/FtpDirEntry$Permission;>;
SourceFileFtpDirEntry.java678"sun/net/ftp/FtpDirEntry$Permission9 :
!java/lang/Enumclone(Ljava/lang/Object;sun/net/ftp/FtpDirEntry5(Ljava/lang/Class;Ljava/lang/String;)Ljava/lang/
Enum;(Ljava/lang/String;I)V@1@@@ "
/ "
*/ !,*+*456"#$%`DY
Y Y
Y
SYSYS
1*/"&{(
,@
4
show()Zaccept()V
SourceFile Eula.java com/sun/javafx/runtime/eula/Eulajava/lang/Object
4
equals(Ljava/lang/Object;)ZtoString()Ljava/lang/String;
SourceFilePermission.javajava/security/acl/Permissionjava/lang/Object

```

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 * questions.
 */
```

```
package java.security.acl;
```

```
/**
 * This interface represents a permission, such as that used to grant
 * a particular type of access to a resource.
 *
 * @author Satish Dharmaraj
 */
public interface Permission {

    /**
     * Returns true if the object passed matches the permission represented
     * in this interface.
     *
     * @param another the Permission object to compare with.
     *
     * @return true if the Permission objects are equal, false otherwise
     */
    public boolean equals(Object another);

    /**
     * Prints a string representation of this permission.
     */
}
```

```

*
* @return the string representation of the permission.
*/
public String toString();

}
4Y
4 5
67
89
:
;<=
4>
?
@
ABCD
EFGHIserialVersionUIDJ
ConstantValue?(WQ~nameLjava/lang/String;<init>(Ljava/lang/String;)VCodeLineNumberTable
checkGuard(Ljava/lang/Object;)V
StackMapTableJ
ExceptionsKimplies(Ljava/security/Permission;)Zequals(Ljava/lang/Object;)ZhashCode()IgetName()Ljava/lang/Stri
ng;
getActionsnewPermissionCollection&(Ljava/security/PermissionCollection;toStringL
SourceFilePermission.javaMNOPIQR-,LS*java/lang/StringBuilder("TUVWX+,
""))0.java/security/Permissionjava/lang/Objectjava/security/Guardjava/io/Serializablejava/lang/SecurityManagerjava/
lang/SecurityExceptionjava/lang/String)Vjava/lang/SystemgetSecurityManager(Ljava/lang/SecurityManager;chec
kPermission(Ljava/security/Permission;)Vlengthappend-
(Ljava/lang/String;)Ljava/lang/StringBuilder;getClass()Ljava/lang/Class;java/lang/Class! *
**+NO P <M,, *ef
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"#%&'()*+,-./0,o*L+
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```

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## 1.422 triemap 0.10.3

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## 1.423 yang-data-api 1.2.3

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## 1.426 yang-model-util 1.2.3

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## 1.427 object-cache-api 1.2.3

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'use strict'

const {License} = require('the-templates')

```

const {license, repository} = require('./package.json')

module.exports = License({
  type: license,
  holder: repository.split(/\/).shift(),
  year: 2017
})

if (!module.parent) {
  require('coz').render(__filename)
}

```

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 */
```

Found in path(s):

```
*/opt/ws_local/PERMITS_SQL/1013573494_1591905118.19/0/perfmark-api-0-17-0-sources-
jar/io/perfmark/Link.java
*/opt/ws_local/PERMITS_SQL/1013573494_1591905118.19/0/perfmark-api-0-17-0-sources-
jar/io/perfmark/PerfMark.java
*/opt/ws_local/PERMITS_SQL/1013573494_1591905118.19/0/perfmark-api-0-17-0-sources-
jar/io/perfmark/Tag.java
*/opt/ws_local/PERMITS_SQL/1013573494_1591905118.19/0/perfmark-api-0-17-0-sources-
jar/io/perfmark/Impl.java
*/opt/ws_local/PERMITS_SQL/1013573494_1591905118.19/0/perfmark-api-0-17-0-sources-
jar/io/perfmark/package-info.java
```

## 1.432 jdk-corretto 1.8.0\_232

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*/
```

```
package com.sun.javafx.runtime.eula;
```

```
/**
 * A simple interface to show the End User License Agreement(EULA) dialog
 */
```

```
public interface Eula {
```

```
    /**
     * display the eula dialog, if not already shown
     * @return false if eula was rejected, true otherwise
     */
    public boolean show();
```

```
    /**
     * accept the EULA, so no EULA dialog will be displayed
     */
    public void accept();
```

```
}
```

```
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```
package java.security;
```

```
/**  
 * Abstract class for representing access to a system resource.  
 * All permissions have a name (whose interpretation depends on the subclass),  
 * as well as abstract functions for defining the semantics of the  
 * particular Permission subclass.  
 *  
 * <p>Most Permission objects also include an "actions" list that tells the actions  
 * that are permitted for the object. For example,  
 * for a { @code java.io.FilePermission } object, the permission name is  
 * the pathname of a file (or directory), and the actions list  
 * (such as "read, write") specifies which actions are granted for the  
 * specified file (or for files in the specified directory).  
 * The actions list is optional for Permission objects, such as  
 * { @code java.lang.RuntimePermission },  
 * that don't need such a list; you either have the named permission (such  
 * as "system.exit") or you don't.  
 *  
 * <p>An important method that must be implemented by each subclass is  
 * the { @code implies } method to compare Permissions. Basically,  
 * "permission p1 implies permission p2" means that  
 * if one is granted permission p1, one is naturally granted permission p2.  
 * Thus, this is not an equality test, but rather more of a  
 * subset test.  
 *  
 * <P> Permission objects are similar to String objects in that they  
 * are immutable once they have been created. Subclasses should not  
 * provide methods that can change the state of a permission  
 * once it has been created.  
 *  
 * @see Permissions  
 * @see PermissionCollection  
 *  
 */
```

```
* @author Marianne Mueller
* @author Roland Schemers
*/
```

```
public abstract class Permission implements Guard, java.io.Serializable {
```

```
    private static final long serialVersionUID = -5636570222231596674L;
```

```
    private String name;
```

```
    /**
```

```
     * Constructs a permission with the specified name.
     *
     * @param name name of the Permission object being created.
     *
     */
```

```
    public Permission(String name) {
        this.name = name;
    }
```

```
    /**
```

```
     * Implements the guard interface for a permission. The
     * {@code SecurityManager.checkPermission} method is called,
     * passing this permission object as the permission to check.
     * Returns silently if access is granted. Otherwise, throws
     * a SecurityException.
     *
     * @param object the object being guarded (currently ignored).
     *
     * @throws SecurityException
     *         if a security manager exists and its
     *         {@code checkPermission} method doesn't allow access.
     *
     * @see Guard
     * @see GuardedObject
     * @see SecurityManager#checkPermission
     *
     */
```

```
    public void checkGuard(Object object) throws SecurityException {
        SecurityManager sm = System.getSecurityManager();
        if (sm != null) sm.checkPermission(this);
    }
```

```
    /**
```

```
     * Checks if the specified permission's actions are "implied by"
     * this object's actions.
     * <P>
```

```

* This must be implemented by subclasses of Permission, as they are the
* only ones that can impose semantics on a Permission object.
*
* <p>The { @code implies } method is used by the AccessController to determine
* whether or not a requested permission is implied by another permission that
* is known to be valid in the current execution context.
*
* @param permission the permission to check against.
*
* @return true if the specified permission is implied by this object,
* false if not.
*/

```

```

public abstract boolean implies(Permission permission);

```

```

/**
* Checks two Permission objects for equality.
* <P>
* Do not use the { @code equals } method for making access control
* decisions; use the { @code implies } method.
*
* @param obj the object we are testing for equality with this object.
*
* @return true if both Permission objects are equivalent.
*/

```

```

public abstract boolean equals(Object obj);

```

```

/**
* Returns the hash code value for this Permission object.
* <P>
* The required { @code hashCode } behavior for Permission Objects is
* the following:
* <ul>
* <li>Whenever it is invoked on the same Permission object more than
* once during an execution of a Java application, the
* { @code hashCode } method
* must consistently return the same integer. This integer need not
* remain consistent from one execution of an application to another
* execution of the same application.
* <li>If two Permission objects are equal according to the
* { @code equals }
* method, then calling the { @code hashCode } method on each of the
* two Permission objects must produce the same integer result.
* </ul>
*
* @return a hash code value for this object.
*/

```

```

public abstract int hashCode();

/**
 * Returns the name of this Permission.
 * For example, in the case of a { @code java.io.FilePermission },
 * the name will be a pathname.
 *
 * @return the name of this Permission.
 */

public final String getName() {
    return name;
}

/**
 * Returns the actions as a String. This is abstract
 * so subclasses can defer creating a String representation until
 * one is needed. Subclasses should always return actions in what they
 * consider to be their
 * canonical form. For example, two FilePermission objects created via
 * the following:
 *
 * <pre>
 * perm1 = new FilePermission(p1,"read,write");
 * perm2 = new FilePermission(p2,"write,read");
 * </pre>
 *
 * both return
 * "read,write" when the { @code getActions } method is invoked.
 *
 * @return the actions of this Permission.
 */

public abstract String getActions();

/**
 * Returns an empty PermissionCollection for a given Permission object, or null if
 * one is not defined. Subclasses of class Permission should
 * override this if they need to store their permissions in a particular
 * PermissionCollection object in order to provide the correct semantics
 * when the { @code PermissionCollection.implies } method is called.
 * If null is returned,
 * then the caller of this method is free to store permissions of this
 * type in any PermissionCollection they choose (one that uses a Hashtable,
 * one that uses a Vector, etc).

```

```

*
* @return a new PermissionCollection object for this type of Permission, or
* null if one is not defined.
*/

public PermissionCollection newPermissionCollection() {
    return null;
}

/**
 * Returns a string describing this Permission. The convention is to
 * specify the class name, the permission name, and the actions in
 * the following format: ('ClassName" "name" "actions"), or
 * ('ClassName" "name")' if actions list is null or empty.
 *
 * @return information about this Permission.
 */
public String toString() {
    String actions = getActions();
    if ((actions == null) || (actions.length() == 0)) { // OPTIONAL
        return "(" + getClass().getName() + "\" \" + name + "\"";
    } else {
        return "(" + getClass().getName() + "\" \" + name +
            "\" \" + actions + "\"";
    }
}
}
}

```

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```

APPLICATION_LICENSE_TEXT
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String;)Lsun/net/ftp/FtpDirEntry$Permission;<init>(Ljava/lang/String;II)V
Signature(I)V<clinit>()V6Ljava/lang/Enum<Lsun/net/ftp/FtpDirEntry$Permission;>;
SourceFileFtpDirEntry.java678"sun/net/ftp/FtpDirEntry$Permission9 :
!java/lang/Enumclone(Ljava/lang/Object;sun/net/ftp/FtpDirEntry5(Ljava/lang/Class;Ljava/lang/String;)Ljava/lang/
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```

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SourceFilePermission.java java/security/acl/Permissionjava/lang/Object
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*/

package java.security.acl;

/**
 * This interface represents a permission, such as that used to grant
 * a particular type of access to a resource.
 *
 * @author Satish Dharmaraj
 */
public interface Permission {

```

```

/**
 * Returns true if the object passed matches the permission represented
 * in this interface.
 *
 * @param another the Permission object to compare with.
 *
 * @return true if the Permission objects are equal, false otherwise
 */
public boolean equals(Object another);

/**
 * Prints a string representation of this permission.
 *
 * @return the string representation of the permission.
 */
public String toString();

}
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```

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```

```
Ty Coon, President of Vice
```

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## 1.433 yang-data-util 1.2.3

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## 1.434 yang-parser-impl 1.2.3

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```
class C {  
  val x: ((Int, Int) => Int) = (((a, b)) => a)  
  val y: ((Int, Int, Int) => Int) = (((a, !!)) => a)  
  val z: ((Int, Int, Int) => Int) = (((a, NotAPatternVariableName, c)) => a)  
}
```

not-a-legal-formal-parameter-tuple.scala:2: error: not a legal formal parameter.

Note: Tuples cannot be directly destructured in method or function parameters.

Either create a single parameter accepting the Tuple2,  
or consider a pattern matching anonymous function: `{ case (a, b) => ... }`

```
val x: ((Int, Int) => Int) = (((a, b)) => a)  
      ^
```

not-a-legal-formal-parameter-tuple.scala:3: error: not a legal formal parameter.

Note: Tuples cannot be directly destructured in method or function parameters.

Either create a single parameter accepting the Tuple2,  
or consider a pattern matching anonymous function: `{ case (param1, param2) => ... }`

```
val y: ((Int, Int, Int) => Int) = (((a, !!)) => a)  
      ^
```

not-a-legal-formal-parameter-tuple.scala:4: error: not a legal formal parameter.

Note: Tuples cannot be directly destructured in method or function parameters.

Either create a single parameter accepting the Tuple3,  
or consider a pattern matching anonymous function: `{ case (param1, ..., param3) => ... }`

```
val z: ((Int, Int, Int) => Int) = (((a, NotAPatternVariableName, c)) => a)
      ^
```

three errors found

Scala

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```
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<div class="version-notice">This is the specification of a previous version of Scala. See the <a href="{ {
site.baseurl} }"/>{ { site.latestScalaVersion } }"/>Scala { { site.latestScalaVersion } } spec</a>.</div>
{% endif %}
```

```
package scala.build
```

```
import sbt._, Keys._, plugins._
```

```
object License extends AutoPlugin {
  val licenseMapping = settingKey[Seq[(File, String)]]("LICENSE/NOTICE file mappings")
```

```
  override val requires = JvmPlugin
  override val trigger = AllRequirements
```

```
  override def projectSettings: Seq[Def.Setting[_]] =
    List(packageSrc, packageBin, packageDoc)
      .map(pkg => mappings in (Compile, pkg) += licenseMapping.value)
```

```
  override def buildSettings: Seq[Def.Setting[_]] = Seq(
    licenseMapping := List("LICENSE", "NOTICE").map(fn => (baseDirectory.value / fn) -> fn)
  )
}
```

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```

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```
*/opt/ws_local/PERMITS_SQL/1013730200_1591897930.13/0/mybatis-plus-boot-starter-2-1-9-sources-
jar/com/baomidou/mybatisplus/spring/boot/starter/GlobalConfig.java
```

## 1.444 spring-kafka 2.2.9

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```
*/opt/ws_local/PERMITS_SQL/1013730202_1591385263.05/0/spring-kafka-2-2-9-release-sources-
jar/org/springframework/kafka/listener/LoggingCommitCallback.java
```

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/support/KafkaStreamBrancher.java

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\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/core/DefaultKafkaConsumerFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/config/MethodKafkaListenerEndpoint.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/support/converter/MessagingMessageConverter.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/annotation/PartitionOffset.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/MessageListenerContainer.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/adapters/DelegatingInvocableHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/core/ConsumerFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/GenericErrorHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/support/converter/ConversionException.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/ConsumerSeekAware.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/event/ListenerContainerIdleEvent.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/annotation/TopicPartition.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-

jar/org/springframework/kafka/config/KafkaListenerConfigUtils.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/support/SendResult.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/listener/adapter/MessagingMessageListenerAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/listener/adapter/RetryingMessageListenerAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/support/serializer/JsonSerializer.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/annotation/KafkaListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/support/TopicPartitionInitialOffset.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/listener/adapter/AbstractFilteringMessageListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/support/converter/KafkaMessageHeaders.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/listener/ListenerExecutionFailedException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/annotation/EnableKafkaStreams.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/support/converter/BatchMessagingMessageConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/support/converter/StringJsonMessageConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/listener/KafkaMessageListenerContainer.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/support/converter/RecordMessageConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/support/converter/MessageConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/config/MultiMethodKafkaListenerEndpoint.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/core/KafkaProducerException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/listener/GenericMessageListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/listener/adapter/FilteringMessageListenerAdapter.java  
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jar/org/springframework/kafka/annotation/KafkaListeners.java  
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jar/org/springframework/kafka/listener/adapter/RecordFilterStrategy.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/listener/adapter/AbstractDelegatingMessageListenerAdapter.java  
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jar/org/springframework/kafka/core/DefaultKafkaProducerFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/listener/adapters/AbstractRetryingMessageListenerAdapter.java  
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jar/org/springframework/kafka/listener/AbstractMessageListenerContainer.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/support/converter/BatchMessageConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/listener/ContainerProperties.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/KafkaException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/support/KafkaNull.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/listener/adapters/FilteringBatchMessageListenerAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/listener/BatchLoggingErrorHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/core/ProducerFactory.java

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jar/org/springframework/kafka/requestreply/CorrelationKey.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/listener/AfterRollbackProcessor.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/event/ConsumerResumedEvent.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/support/converter/ProjectingMessageConverter.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-  
jar/org/springframework/kafka/event/ConsumerPausedEvent.java



\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/support/KafkaUtils.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/event/ConsumerStoppedEvent.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/support/SimpleKafkaHeaderMapper.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/adapters/InvocationResult.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/event/ContainerStoppedEvent.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/adapters/ReplyHeadersConfigurer.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/config/CompositeKafkaStreamsCustomizer.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/config/KafkaListenerEndpointAdapter.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/support/serializer/ErrorHandlerDeserializer2.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/event/ConsumerStoppingEvent.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/requestreply/RequestReplyFuture.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/DefaultAfterRollbackProcessor.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/requestreply/ReplyingKafkaOperations.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/support/converter/BytesJsonMessageConverter.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/core/CleanupConfig.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/FailedRecordTracker.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/transaction/KafkaAwareTransactionManager.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/support/LogIfLevelEnabled.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/support/serializer/ErrorHandlerDeserializer.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/support/SeekUtils.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/transaction/ChainedKafkaTransactionManager.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/requestreply/ReplyingKafkaTemplate.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/support/AbstractKafkaHeaderMapper.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/support/serializer/DeserializationException.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/config/KafkaStreamsCustomizer.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/GenericMessageListenerContainer.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/DeadLetterPublishingRecoverer.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/support/TransactionSupport.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/support/CompositeProducerListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/config/KafkaStreamsConfiguration.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/annotation/KafkaListenerAnnotationBeanPostProcessor.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/config/KafkaListenerEndpointRegistry.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/support/KafkaHeaders.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/config/AbstractKafkaListenerEndpoint.java  
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- \* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/config/StreamsBuilderFactoryBean.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/ConsumerAwareRebalanceListener.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/support/serializer/JsonSerde.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/support/KafkaHeaderMapper.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/BatchAcknowledgingConsumerAwareMessageListener.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/core/KafkaAdmin.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/support/converter/DefaultJackson2JavaTypeMapper.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/ListenerUtils.java
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- \* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/ContainerStoppingBatchErrorHandler.java
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- \* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/core/KafkaResourceHolder.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/support/converter/AbstractJavaTypeMapper.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/ConsumerAwareErrorHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/ConsumerAwareMessageListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/ContainerAwareBatchErrorHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/ListenerType.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/ContainerAwareErrorHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/ConsumerAwareBatchErrorHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/support/converter/Jackson2JavaTypeMapper.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/KafkaListenerErrorHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/SeekToCurrentBatchErrorHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/RemainingRecordsErrorHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/ContainerStoppingErrorHandler.java  
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- \* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/support/Acknowledgment.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/core/KafkaOperations.java
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- \* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/support/ProducerListener.java
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\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/LoggingErrorHandler.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/MessageListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/listener/adapters/HandlerAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730202\_1591385263.05/0/spring-kafka-2-2-9-release-sources-jar/org/springframework/kafka/core/KafkaTemplate.java

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<li>Arndt Hasch &lt;Arndt.Hasch&#064maxence.de&gt; - additional fix for partial reading with new style PGP packets.</li>

<li>Fix Bernd (KCDP 11) &lt;bernd.fix&#064credit-suisse.com&gt; - fix for 31 byte issue and exception throwing by Whirlpool.</li>

<li>David M. Lee &lt;dmlee&#064Crossroads.com&gt; - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.</li>

<li>Mike Dillon &lt;md5&#064embody.org&gt; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.</li>

<li>tu-vi cung &lt;t2cung&#064hotmail.com&gt; - patch for out of bounds problem in getDecoderStream method.</li>

<li>Chris Schultz &lt;cschultz&#064gmail.com&gt; - fix for InputStream constructor for X509V2AttributeCertificate.</li>

<li>David M. Lee &lt;dmlee&#064Crossroads.com&gt; - implementation assistance with streaming CMS classes.</li>

<li>Joel Rees &lt;rees&#064ddcom.co.jp&gt; - fix to correct getOID methods from returning same set on X.509 attribute certificates.</li>

<li>Francesc Sau &lt;francesc.sau&#064partners.netfocus.es&gt; - micro fix for tsp Accuracy class.</li>

<li>Larry Bugbee &lt;bugbee&#064mac.com&gt; - initial ECNR implementation.</li>

<li>Remi Blancher &lt;Remi.Blancher&#064keynectis.com&gt; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.</li>

<li>Brian O'Rourke &lt;brianorourke&#064gmail.com&gt; - patch for signature creation time override in OpenPGP.</li>

<li>Andreas Schwier &lt;andreas.schwier&#064cardcontact.de&gt; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-EDE 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.</li>

<li>David Josse &lt;david.josse&#064transacttools.net&gt; - Patch for trailer function in version 2 signature packets.</li>

<li>Kishimoto Kazuhiko &lt;kazu-k&#064hi-ho.ne.jp&gt; - RFC 3280 updates to policy processing in the CertPath validator. Additional test data not covered by NIST.</li>

<li>Lawrence Tan &lt;lwrnctan&#064gmail.com&gt; - Large field OID sample test data. Missing key types in

JDKKeyFactory.</li>

<li>Carlos Valiente &lt;superdupont&#064gmail.com&gt; - Addition of CRL writing to the PEMWriter class.</li>

<li>Keyon AG, Martin Christinat, <a href="http://www.keyon.ch">http://www.keyon.ch</a> - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.</li>

<li>Olaf Keller, &lt;olaf.keller.bc&#064bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.</li>

<li>J&ouml;rg Eichhorn &lt;eichhorn&#064ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputStream, support for F2m compression.</li>

<li>Karsten Ohme &lt;widerstand&#064t-online.de&gt; - initial check against for out of range data on non byte aligned RSA keys. Addition of equals/hashCode on ECCurve.Fp. Additional curve type support for Fp, contributions to F2m compression. F2m decoding for ECPointUtil. Infinity fix and prime192v2 fix for Fp. Extra validation for RSA key creation. Fix to name typos for some OpenSSL key generators. RFC-1779 table, improved RFC 2253 compliance for X509Name. Additional constructor validation for X.509/ESS ASN.1 classes. Validation for Printable, IA5, and Numeric Strings. Fix for RFC 5280 NameConstraint checking for RDNs.</li>

Support for surrogate pairs in DERUTF8String, DER UTF8 test. Additional X.509 name attributes for ISIS-MTT, RFC 3039, addition of indirect CRL support, initial X509 LDAP CertStore implementation, CertificatePair class, and X509CertificatePair class. Contributions to X509Store/Parser infrastructure and design.

CertPath support for implicit DSA parameters and a range of NameConstraints. Addition of support for V1 attribute certificates and attribute certificate path validation. Initial classes for ASN.1 ISIS-MTT support. Enhancements for improving compliance with the NIST CertPath tests.</li>

<li>Carlos Lozano Ruiz &lt;carlos&#064tradise.com&gt; - patch for &lt;ctrl&gt;&lt;m&gt; only handling in CRLFOutputStream.</li>

<li>John Alfred Prufrock &lt;j.a.prufrock&#064gmail.com&gt; - mods to GOST-3411 and MD2 to support ExtendedDigest.</li>

<li>Stefan Neusatz Guilhen &lt;sneusatz&#064gmail.com&gt; - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.</li>

<li>Marzio Lo Giudice &lt;marzio.logiudice&#064gmail.com&gt; - fix to endianness in KDF2BytesGenerator, additional KDF2 tests.</li>

<li>Georg Lippold &lt;georg.lippold&#064gmx.de&gt; - initial implementation of NaccacheStern cipher.</li>

<li>Chris Viles &lt;chris\_viles&#064yahoo.com&gt; - fix to SignatureSubpacket critical bit setting.</li>

<li>Pasi Eronen &lt;Pasi.Eronen&#064nokia.com&gt; - extra toString() support for ASN.1 library. Initial patch for large OID components.</li>

<li>Lijun Liao &lt;https://github.com/xipki&gt; performance enhancements for SHA family of digests. Bug report and patch for blank line handling in ArmoredInputStream. Addition of getSignatureAlgorithmID to BasicOCSPResp. Reset fix for SM2 signatures, performance improvements for SHA-3. Clean up of CMP EncryptedValueBuilder, additional functionality on PollReqContent. Bug fix for endianness issue in cSHAKE left encode method.</li>

<li>Maria Ivanova &lt;maria.ivanova&#064gmail.com&gt; - support for tags > 30 in ASN.1 parsing.</li>

<li>Armin H&auml;berling &lt;arminha&#064student.ethz.ch&gt; - first cut of internationalisation, initial PKIX validation classes.</li>

<li>Marius Schilder &lt;mschilder&#064google.com&gt; - main set of test vectors for Bleichenbacher's forgery attack.</li>

<li>Xavier Le Vourch &lt;xavier&#064brittanysoftware.com&gt; - general code clean ups.</li>

<li>Erik Tews &lt;e\_tews&#064cdc.informatik.tu-darmstadt.de&gt; - initial threaded random seed generator, constant-time PKCS#1.5 decoding</li>

<li>Thomas Dixon &lt;reikomusha&#064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC,



and Noekeon. XTEA enhancements.</li>  
<li>Frank Cornelis &lt;info@#064frankcornelis.be&gt;- addition of crlAccessMethod in X509ObjectIdentifiers.</li>  
<li>Rui Joaquim &lt;rjoaquim@#064cc.isel.ipl.pt&gt; - initial implementation of RSA blinding for signatures.</li>  
<li>David Stacey &lt;DStacey@#064allantgroup.com&gt; - addition of trust packet checking on revocation signatures in PGPSecretKeyRing.</li>  
<li>Martijn Brinkers &lt;list@#064mitm.nl&gt; - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.</li>  
<li>Julius Davies &lt;juliusdavies@#064gmail.com&gt; - additional modes and algorithm support in PEMReader</li>  
<li>Matthias &lt;g@#064rtner.de&gt; - GnuPG compatibility changes for PBEFileProcessor.</li>  
<li>Olga K&uuml;thler &lt;olga.kaethler@#064hjp-consulting.com&gt; - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.</li>  
<li>Germano Rizzo &lt;germano.rizzo@#064gmail.com&gt; - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.</li>  
<li>N&uacute;ria Mar&iacute; &lt;numaa@#064hotmail.com&gt; - patch for alternate data type recognition in CMSSignedDataParser.</li>  
<li>Janis Schuller &lt;js@#064tzi.de&gt; - addition of NotationData packets for OpenPGP.</li>  
<li>Michael Samblanet &lt;mike@#064samblanet.com&gt; - patches towards improved Sun/default provider support in CMS.</li>  
<li>Mike StJohns &lt;mstjohns@#064comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA, updates to KeyPurposeId.</li>  
<li>Ramon Keller &lt;ramon.keller@#064gmx.ch&gt; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.</li>  
<li>Mark Nelson &lt;mark@#064nbr.com&gt; - correction to excluded DN in name constraints processing for PKIX processing.</li>  
<li>Eugene Golushkov &lt;eugene\_gff@#064ukr.net&gt; - mask fix to single byte read in TlsInputStream.</li>  
<li>Julien Pasquier &lt;julienpasquier@#064free.fr&gt; - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.</li>  
<li>Peter Knopp &lt;pknopp@#064mtg.de&gt; - fix for named curve recognition in ECGOST key generation.</li>  
<li>Jakub Gwozdz &lt;gwozdziu@#064rpg.pl&gt; - addition of getTsa() to TimestampTokenInfo.</li>  
<li>Bartosz Malkowski &lt;bmalkow@#064tigase.org&gt; - initial implementation of VMPC cipher, VMPCRandomGenerator, VMPCMac.</li>  
<li>Tal Yacobi &lt;tal.yacobi@#064octavian-tech.com&gt; - fix for issue in OpenPGP examples [#BJA-55].</li>  
<li>Massimiliano Ziccardi &lt;massimiliano.ziccardi@#064gmail.com&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes, JCA compliance patch for PEM parsing in CertificateFactory.</li>  
<li>Andrey Pavlenko &lt;andrey.a.pavlenko@#064gmail.com&gt; - security manager patch for PKCS1Encoding property check.</li>  
<li>J Ross Nicoll &lt;jrn@#064jrn.me.uk&gt; - improved exception handling for getInstance() in ASN.1 library.</li>  
<li>Matthew Stevenson &lt;mavricknz@#064yahoo.com&gt; - patch to construtor for CRMF CertSequence.</li>  
<li>Gabriele Contini &lt;gcontini@#064hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDEF's.</li>  
<li>Roelof Naude &lt;roelof.naude@#064epiuse.com&gt; - patch for TLS client to send empty client certs in response to HP\_CERTIFICATE\_REQUEST.</li>  
<li>Patrick Peck &lt;peck@#064signaturen.at&gt; - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.</li>

<li>Michael LeMay &lt;lemaymd&#064lemaymd.com&gt; - identified problem with EAX [#BJA-93].</li>  
<li>Alex Dupre &lt;ale&#064FreeBSD.org&gt; - fix to use of Signature rather than SignatureSpi in provider [#BJA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [#BJA-102]</li>  
<li>Michael Schoene &lt;michael&#064sigrid-und-michael.de&gt; - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().</li>  
<li>Ion Larra&ntilde;aga &lt;ilarra&#064s21sec.com&gt; fix to default partial packet generation in BCPGOutputStream.</li>  
<li>Bob Kerns &lt;bob.kerns&#064positscience.com&gt; fix to hashCode for X509CertificateObject.</li>  
<li>Stefan Meyer &lt;stefan.meyer&#064ewe.de&gt; backport for PKIXCertPathValidator and SMIMESignedMailReviewer.</li>  
<li>Robert J. Moore &lt;Robert.J.Moore&#064allanbank.com&gt; speedups for OpenPGPCFB mode, clean room JCE patches.</li>  
<li>Rui Hodai &lt;rui&#064po.ntts.co.jp&gt; speed ups for Camellia implementation, CamelliaLightEngine.</li>  
<li>Emir Bucalovic &lt;emir.bucalovic&#064mail.com&gt; initial implementation of Grain-v1 and Grain-128.</li>  
<li>Torbjorn Svensson &lt;tobbe79&#064gmail.com&gt; initial implementation of Grain-v1 and Grain-128.</li>  
<li>Paul FitzPatrick &lt;bouncycastle\_pfitz&#064fitzpatrick.cc&gt; error message fix to X509LDAPCertStoreSpi, comparison fix to BCStrictStyle.</li>  
<li>Henrik Andersson &lt;k.henrik.andersson&#064gmail.com&gt; addition of UniqueIssuerID to certificate generation.</li>  
<li>Cagdas Cirit &lt;cagdasirit&#064gmail.com&gt; subjectAlternativeName fix for x509CertStoreSelector.</li>  
<li>Harakiri &lt;harakiri\_23&#064yahoo.com&gt; datahandler patch for attached parts in SMIME signatures.</li>  
<li>Pedro Henriques &lt;pmahenriques&#064gmail.com&gt; explicit bounds checking for DESKeyGenerator, code simplification for OAEP encoding.</li>  
<li>Lothar Kimminger &lt;job&#064kimminger.de&gt; verbose mode for ASN1Dump, support for DERExternal, DNS performance fix for S/MIME API.</li>  
<li>Richard Farr &lt;rfarr.se&#064gmail.com&gt; initial SRP-6a implementation.</li>  
<li>Thomas Castiglione &lt;castiglione&#064au.ibm.com&gt; patch to encoding for CRMF OptionalValidity.</li>  
<li>Elisabetta Romani &lt;eromani&#064sogei.it&gt; patch for recognising multiple counter signatures.</li>  
<li>Robin Lundgren &lt;r737lundgren&#064gmail.com&gt; CMPCertificate constructor from X509CertificateStructure fix.</li>  
<li>Petr Kadlec &lt;mormegil&#064centrum.cz&gt; fix to sign extension key and IV problem in HC-128, HC-256.</li>  
<li>Andreas Antener &lt;antener\_a&#064gmx.ch&gt; fix to buffer reset in AsymmetricBufferedBlockCipher.</li>  
<li>Harendra Rawat &lt;hsrawat&#064yahoo.com&gt; fix for BERConstructedOctetString.</li>  
<li>Rolf Lindemann &lt;lindemann&#064trustcenter.de&gt; patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].</li>  
<li>Alex Artamonov &lt;alexart.home&#064gmail.com&gt; name look up patch for GOST-2001 parameters.</li>  
<li>Mike Lyons &lt;mlyons&#064layer7tech.com&gt; work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.</li>  
<li>Chris Cole &lt;chris\_h\_cole&#064yahoo.com&gt; identified a problem handling null passwords when loading a BKS keystore.</li>  
<li>Tomas Krivanek &lt;tom&#064atack.cz&gt; added checking of Sender header to SignedMailValidator.</li>  
<li>Michael &lt;emfau&#064t-online.de&gt; correction of field error in getResponse method in CertRepMessage.</li>  
<li>Trevor Perrin &lt;trevor&#064cryptography.com&gt; addition of constant time equals to avoid possible timing attacks.</li>

- <li>Markus Kil &lt;markus@primekey.se>; several enhancements to TimeStampResponseGenerator.</li>
- <li>Dario Novakovic &lt;darionis@yahoo.com>; fix for NPE when checking revocation reason on CRL without extensions.</li>
- <li>Michael Smith &lt;msmith@cbnco.com>; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.</li>
- <li>Andrea Zilio &lt;andrea.zilio@gmail.com>; fix for PEM password encryption of private keys.</li>
- <li>Alex Birkett &lt;alex@birkett.co.uk>; added support for EC cipher suites in TLS client (RFC 4492) [BJA-291].</li>
- <li>Wayne Grant &lt;waynedgrant@gmail.com>; additional OIDs for PKCS10 and certificate generation support.</li>
- <li>Frank Cornelis &lt;info@frankcornelis.be>; additional support classes for CAdES, enhancements to OCSP classes.</li>
- <li>Jan Dittberner &lt;jan@dittberner.info>; addHeader patch for SMIME generator.</li>
- <li>Bob McGowan &lt;boab.mcgoo@btinternet.com>; patch to support different object and mgf digests in PSS signing.</li>
- <li>Ivo Matheis &lt;i.matheis@seeburger.de>; fix to padding verification in ISO-9796-1.</li>
- <li>Marco Sandrini &lt;nessche@gmail.com>; patch to add IV to ISO9797Alg3Mac.</li>
- <li>Alf Malf &lt;alfilmalf@hotmail.com>; removal of unnecessary limit in CMSContentInfoParser.</li>
- <li>Alfonso Massa &lt;alfonso.massa@insiel.it>; contributions to CMS time stamp classes.</li>
- <li>Giacomo Boccardo &lt;gboccardo@unimaticaspa.it>; initial work on CMSTimeStampedDataParser.</li>
- <li>Arnis Tartu &lt;arnis@ut.ee>; patches for dealing with OIDs with specific key sizes associated in CMS.</li>
- <li>Janusz Sikociski &lt;J.Sikocinski@gdzie.pl>; addition of Features subpacket support to OpenPGP API.</li>
- <li>Juri Hudolejev &lt;jhudolejev@gmail.com>; JavaDoc fix to CMSSignedDataParser.</li>
- <li>Liane Velten &lt;liane.velten@hjp-consulting.com>; fine tuning of code for DHParameters validation.</li>
- <li>Shawn Willden &lt;swillden@google.com>; additional functionality to PGPKKeyRing.</li>
- <li>Atanas Krachev &lt;akrachev@gmail.com>; added support for revocation signatures in OpenPGP.</li>
- <li>Mickael Laiking &lt;mickael.laiking@keynectis.com>; initial cut of EAC classes.</li>
- <li>Tim Buktu &lt;tbuktu@hotmail.com>; Initial implementation of NTRU signing and encryption.</li>
- <li>Bernd &lt;rbernd@gmail.com>; Fix for open of PGP literal data stream with UTF-8 naming.</li>
- <li>Steing Inge Morisbak &lt;stein.inge.morisbak@BEKK.no>; Test code for lower case Hex data in PEM headers.</li>
- <li>Andreas Schmid &lt;andreas.schmid@tngtech.com>; Additional expiry time check in PGPPublicKeys.</li>
- <li>Phil Steitz &lt;phil.steitz@gmail.com>; Final patch eliminating JCE dependencies in the OpenPGP BC classes.</li>
- <li>Ignat Korchagin &lt;ignat.korchagin@gmail.com>; Initial implementation of DSTU-4145-2002, long hash fix for DSTU-4145-2002.</li>
- <li>Petar Petrov &lt;p.petrov@bers-soft.com>; Testing and debugging of UTF-8 OpenPGP passwords.</li>
- <li>Daniel Fitzpatrick &lt;daniel.f.nwr@gmail.com>; Initial implementation of ephemeral key support for IES, initial implementations of RSA-KEM and ECIES-KEM, initial implementation of homogeneous projective coordinates for EC.</li>
- <li>Andy Neilson &lt;Andy.Neilson@quest.com>; a further patches to deal with multiple providers and PEMReader.</li>

<li>Ted Shaw &lt;xiao.xj&#064gmail.com&gt; patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.</li>

<li>Eleriseth &lt;Eleriseth&#064WPECGLtYbVi8Rl6Y7Vzl2Lv2EUVW99v3yNV3IWROG8.fms&gt; speed up for SIC/CTR mode. Provider compatibilty generalisations for EC operations.</li>

<li>Kenny Root &lt;kenny&#064the-b.org&gt; patch for issuerAltName, subjectAltName support in X509CertificateObject, BaseBlockCipher.getIV() patch for AEAD.</li>

<li>Maarten Bodewes &lt;maarten.bodewes&#064gmail.com&gt; initial implementation of HKDF and NIST SP 800-108 MAC based KDF functions.</li>

<li>Philip Clay &lt;pilf\_b&#064yahoo.com&gt; Initial implementation of J-PAKE.</li>

<li>Brian Carlstrom &lt;bdc&#064carlstrom.com&gt; compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, intial provider PBKDF2WithHmacSHA1 SecretKeyFactory.</li>

<li>Samuel Lid&eacute;n Borell &lt;samuel&#064primekey.se&gt; patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder</li>

<li>Sergio Demian Lerner &lt;sergiolerner&#064certimix.com&gt; pointing out isInfinity issue in ECDSASigner signature verification.</li>

<li>Tim Whittington &lt;Tim.Whittington&#064orionhealth.com&gt; patch to remove extra init call in CMac, additional of Memoable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDBCrypt, PGP API documentation and code quality work.</li>

<li>Marcus Lundblad &lt;marcus.lundblad&#064primekey.se&gt; patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.</li>

<li>Andrey Zhozhin &lt;zhozhin&#064xrm.ru&gt; patch for override of TSP SignerInfo attributes.</li>

<li>Sergey Tiunov &lt;t5555d&#064gmail.com&gt; initial cut of DVCS classes.</li>

<li>Damian Kolasa &lt;fatfredyy&#064gmail.com&gt; ASN1Sequence patch for class cast issue in X9Curve.</li>

<li>Ash Hughes &lt;ashley.hughes&#064blueyonder.co.uk&gt; patches for supporting PGPSecretKeyRing/PGPSecretKeys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().</li>

<li>Daniel Hirscher &lt;dev&#064daniel-hirscher.de&gt; patch to support parsing of explicit EC parameters in PEM files.</li>

<li>Daniele Ricci &lt;daniele.athome&#064gmail.com&gt; initial implementation of EC keys for OpenPGP and RFC6637 support.</li>

<li>Matti Aarnio &lt;matti.aarnio&#064methics.fi&gt; tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes, addition of NONEwithRSA to lightweight RSADigestSigner.</li>

<li>Babak Najafi &lt;bnajafi&#064akamai.com&gt; fixes to OpenPGP NotationData to prevent truncation problems.</li>

<li>Eric M&uuml;ller &lt;eric.mueller&#064sage.de&gt; additional standard algorithm name lookups in JcaPEMKeyConverter.</li>

<li>Mathias Herberts &lt;Mathias.Herberts&#064gmail.com&gt; fix to inOff usage in RFC3394WrapEngine.</li>

<li>Daniil Ivanov &lt;daniil.ivanov&#064gmail.com&gt; addition of provider support for GOST HMAC SecretKeyFactory.</li>

- <li>Daniele Grasso &lt;daniele.grasso86&#064gmail.com&gt; contributions to final Key calculation code for SRP6.</li>
- <li>Andrey Utkin &lt;cindrhc&#064gmail.com&gt; patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.</li>
- <li>Arnis Tartu &lt;arnis&#064ut.ee&gt; checker for generated key vs OID in JceCMSContentEncryptorBuilder.</li>
- <li>AxelVDB &lt;axel-vdb&#064riseup.net&gt; initial implementation of Shacal2.</li>
- <li>Roberto Tyley &lt;&gt; further work on completing gradle build.</li>
- <li>Waldemar Dick &lt;wdick&#064devmue.de&gt; code improvement in x500 ASN.1 package.</li>
- <li>Sid Steward &lt;sid.steward&#064pdflabs.com&gt; code improvements to ASN1Boolean.</li>
- <li>Alex Klyubin &lt;klyubin&#064google.com&gt; AlgorithmParameters check for EC key agreement.</li>
- <li>Jonathan Gillett &lt;gsoc.student&#064gmail.com&gt; Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.</li>
- <li>Andreas Reiter &lt;andreas.reiter&#064iaik.tugraz.at&gt; Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.</li>
- <li>Kieran Miller &lt;kieran.miller&#064gmail.com&gt; initial implementation for RFC 5649 key wrap with padding.</li>
- <li>Oliver Ehli&lt;ehli&#064arago.de&gt; Additional support for BSI plain ECDSA in the provider.</li>
- <li>Daniel Heldt&lt;Daniel.Heldt&#064cryptovision.com&gt; Initial support for encodable state message digests</li>
- <li>Robert Bushman &lt;bouncycastle&#064traxel.com&gt; Clean up of DirectKeySignature example.</li>
- <li>Maurice Aarts&lt;aarts&#064riscure.com&gt; updated to KDF generator to follow NIST SP 800-108.</li>
- <li>Franziskus Kiefer&lt;https://github.com/franziskuskiefer&gt; initial implementation of Cramer-Shoup.</li>
- <li>KB Sriram&lt;mail\_kb&#064yahoo.com&gt; testing for odd encodings for PGP User Attribute Subpackets.</li>
- <li>Marco Schulze&lt;marco&#064nightlabs.de&gt; Reported verification bug in GenericSigner.</li>
- <li>Martin Schaeff&lt;https://github.com/martinschaeff&gt; contributed a code-cleanup patch.</li>
- <li>dstutz&lt;https://github.com/dstutz&gt; added iteration count setters to PKCS#12 PBE mac/key generator builders.</li>
- <li>Tobias Wich&lt;tobias.wich&#064ecsec.de&gt; Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.</li>
- <li>Hauke Mehrtens&lt;hauke&#064hauke-m.de&gt; TLS patch to add ECDHE\_ECDSA CCM ciphersuites from RFC 7251.</li>
- <li>Daniel Zimmerman&lt;dmz&#064galois.com&gt; Further key quality improvements to RSAKeyPairGenerator.</li>
- <li>Jens Kapitzka&lt;j.kapitzka&#064schwarze-allianz.de&gt; Iterable support in OpenPGP API, code cleanup in OpenPGP API.</li>
- <li>Johan Eklund&lt;johan&#064primekey.se&gt; update to RFC 6960 for OCSPObjectIdentifiers.</li>
- <li>nikosn&lt;https://github.com/nikosn&gt; Fix to encoding of EC private keys to ensure encoding matches order length.</li>
- <li>Axel von dem Bruch &lt;axel-vdb&#064riseup.net&gt; Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2bDigest.</li>
- <li>Derek Atkins &lt;derek&#064ihtfp.com&gt; Documentation fixes to X9ObjectIdentifiers.</li>
- <li>Peter Jr Halicky &lt;peto&#064halicky.sk&gt; Correction to notification/error message handling in SignedMailValidator.</li>
- <li>lartiguePierre&lt;https://github.com/lartiguePierre&gt; Fix for counter signature SID in CMSSignedData.</li>
- <li>Thomas Belot&lt;thomas.belot+BC&#064gmail.com&gt; initial CertPathLoopTest for demonstrating stack overflow issue.</li>

- <li>Rich DiCrocce<lt;https://github.com/rdicroce>> Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.</li>
- <li>Björn Kautler<lt;https://github.com/Vampire>> Refinements to cert path validation (authority key addition, certificate order preservation).</li>
- <li>Dominik Schürmann<lt;https://github.com/dschuermann>> method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in PGPSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.</li>
- <li>Michael <lt;MSKnete@web.de>> initial fix for bitStrength issue for OpenPGP EC keys, correction for generic type on RecipientInformationStore.</li>
- <li>Tobias Wagner <lt;tobias.wagner@n-design.de>> Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].</li>
- <li>Sergio Giro <lt;sgiro@google.com>> Fixed adding of additional stores from CRL distribution point [#BJA-537]. Fixed missing null check for CRL certificate issuer [#BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBEKeys that require it.</li>
- <li>bschuette<lt;https://github.com/bschuette>> Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSSignedDataParser.</li>
- <li>Leonard Dallot<lt;https://github.com/dallotTazTag>> Fix to S2K usage of none on changing passwords on keys without passwords originally.</li>
- <li>Jan Willem Janssen <lt;j.w.janssen@bouncycastle.org>> Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.</li>
- <li>Sebastian Oerding <lt;sebastian.oerding@robotron.de>> Fixes to toString() in x509.CertificatePolicies.</li>
- <li>Kai Kramer <lt;kai.kramer@gmail.com>> Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.</li>
- <li>Benoit Charles <lt;benoit.charles@opentrust.com>> Fix for IES data length check on decryption.</li>
- <li>Niko <lt;nfink95@gmail.com>> fix to cast issue in getOutputSize() for ECIES.</li>
- <li>akwizgran<lt;https://github.com/akwizgran>> Fixed clone of key in Blake2bDgest copy constructor, blake2b reset issue for variant keys.</li>
- <li>Matthias Edelhoff <lt;Matthias.Edelhoff@cryptovision.com>> BasicConstraintsValidation pathlen fix in PKIX certpath classes.</li>
- <li>Lukasz Deputat <lt;lukasz.deputat@gmail.com>> Fixed bugs in TlsUtils read methods [#BJA-592].</li>
- <li>Justin Ludwig <lt;https://github.com/justinludwig>> Iterator fix for PGPObjectFactory to handle stream packets at start of iterated data.</li>
- <li>André Berenguel <lt;https://github.com/berenguel>> Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi</li>
- <li>Slawomir Jaranowski<lt;https://github.com/slawekjaranowski>> Patch to make cipher/hash/signature name methods in PGP internal API public.</li>
- <li>Andrey Vasilyev<lt;https://github.com/andrey-vasilyev>> Initial implementation of GOST R 34.11-2012.</li>
- <li>William Glanton <lt;wglanton77@gmail.com>> Fixed bug in Poly1305 [#BJA-620].</li>
- <li>jdvorak001<lt;https://github.com/jdvorak001>> Speed improvements for ASN.1 ObjectIdentifier cache.</li>
- <li>Joseph Naegele <lt;jnaegele@grierforensics.com>> Patch for handling multiple certificates in a DANE SMIMEA entry.</li>
- <li>Andrew Bonventre<lt;https://github.com/andybons>> NullPointer patch for WNafUtil.</li>
- <li>The Google Security Team (Project Wycheproof) <lt;https://github.com/google/wycheproof>> defect analysis and additional test cases for the provider.</li>
- <li>Gorka Irazoqui <lt;girazoki@wpi.edu>> from Intel Security Center of Excellence <lt;https://security-center.intel.com/>> detection of the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine and finding cache sensitivities in EC key generation/signing.</li>

- <li>Joerg Senekowitsch &lt;joerg.senekowitsch@veridos.com>; patch to deal with hard coded boolean in EAC ECDSAPublicKey.</li>
- <li>Alexandr Krivoshta &lt;wipe@ya.ru>; N4 calculation fix to GOFB mode.</li>
- <li>Artem Storozhuk &lt;storojs72@gmail.com>; N4 calculation fix to GOFB mode.</li>
- <li>Na Yu &lt;na.yu@samsung.com>; Constructor patches to CMC PKIData.</li>
- <li>Evangelos Karatsiolis &lt;ekaratsiolis@mtg.de>; Corrected use of explicit tagging in X.509 PolicyConstraints class.</li>
- <li>VivleSoren &lt;https://github.com/VivleSoren>; additional constructor for McElieceCCA2PrivateKeyParameters.</li>
- <li>mtausig &lt;https://github.com/mtausig>; JavaDoc fix for MCSEncryptedDataGenerator.</li>
- <li>Anders Schack-Mulligen &lt;https://github.com/aschackmull>; code cleanups for CMSSignedDataParser, BrokenKDF2BytesGenerator.</li>
- <li>Sebastian Wolfgang Roland &lt;sebastianwolfgang.roland@stud.tu-darmstadt.de>; Initial XMSS/XMSS-MT implementation.</li>
- <li>didisoft &lt;https://github.com/didisoft>; test code for PGP signature removal involving user ids.</li>
- <li>Mike Safonov&lt;https://github.com/MikeSafonov>; initial implementation of GOST3410-2012 for light weight provider and JCA, parameters patches for ECGOST keys, initial implementation of GOST3412-2015, addition of fromExtensions() for CRLDistPoint.</li>
- <li>Artem Storozhuk &lt;storojs72@gmail.com>; initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.</li>
- <li>Andreas Glaser &lt;andreas.glaser@gi-de.com>; patch to recognise ANSSI curves for PKCS#10 requests.</li>
- <li>codeborne &lt;https://github.com/cbpx>; patch to correct OIDs used in public key digest parameters for ECGOST-2012.</li>
- <li>FauxFaux &lt;https://github.com/FauxFaux>; patch for JDK 1.9 update to DRBG.java.</li>
- <li>4garbage &lt;https://github.com/4garbage>; patch to allow GOST3410-94 private keys encoded as integers.</li>
- <li>ekszz &lt;https://github.com/ekszz>; corrections to SM2 signer to include default identity value.</li>
- <li>jminer &lt;https://github.com/jminer>; fix to Blake2b for hashes in range of 2\*\*64-127 to 2\*\*64.</li>
- <li>str4d &lt;https://github.com/str4d>; initial implementation of Blake2s</li>
- <li>Scott Woodward &lt;scott@bit3consulting.com>; performance fixes for CTRSP800DRBG.</li>
- <li>David Strawn &lt;https://github.com/isomarcte>; fix for off by one error in SCRYPT bounds checking.</li>
- <li>chris mccown &lt;0xchrismccown@gmail.com>; identification of serialisation issue with XMSS/XMSSMT private keys (see also CVE-2018-1000613).</li>
- <li>ZZMarquis &lt;https://github.com/ZZMarquis>; offset patches for SM2 encryption and decryption, improvement to Array constant time comparison.</li>
- <li>Andreas Kretschmer &lt;https://github.com/Akretsch>; NPE fix for CertTemplate.getVersion()</li>
- <li>Armin Lunkeit, Michael Tautenhahn &lt;>; identification of M-R test issue on higher certainty values in RSA key pair generation.</li>
- <li>Vincent Breitmoser &lt;https://github.com/Valodim>; fix to ignore unnecessary checksum calculator on PGP secret key encryption.</li>
- <li>Adam Vartanian &lt;https://github.com/flooeey>; use of ShortBuffer exception and buffer size pre-check in Cipher.doFinal().</li>
- <li>Bernd &lt;https://github.com/ecki>; Fix to make PGPUtil.pipeFileContents use buffer and not leak file handle.</li>
- <li>Shartung &lt;https://github.com/shartung>; Additional EC Key Agreement algorithms in support of German BSI TR-03111.</li>
- <li>Paul Schaub &lt;https://github.com/vanitasvitae>; bringing PGPSecretKey.getUserIds() into line with

PGPPublicKey.getUserIds(). Exception message fix in BcPublicKeyDataDecryptorFactory. Additional tests on PGP key ring generation.</li>  
<li>Nick of Nexxar &lt;https://github.com/nros&gt; update to OpenPGP package to handle a broader range of EC curves.</li>  
<li>catbref &lt;https://github.com/catbref&gt; sample implementation of RFC 7748/Ed25519 (incorporated work from github users Valodim and str4d as well).</li>  
<li>gerlion &lt;https://github.com/gerlion&gt; detection of concurrency issue with pre-1.60 EC math library.</li>  
<li>fgrieu &lt;fgrieu@#064gmail.com&gt; identification and suggested fixes for possible timing vulnerability in OAEP encoding and RSACoreEngine.</li>  
<li>MTG &lt;https://github.com/mtgag&gt; patch for decoding issues in PKIPublicationInfo and CertifiedKeyPair.</li>  
<li>Andreas Gadermaier &lt;up.gadermaier@#064gmail.com&gt; initial version of Argon2 PBKDF algorithm.</li>  
<li>Tony Washer &lt;tony.washer@yahoo.co.uk&gt; review of qTesla, Java 1.9 module code, additional test code and debugging for GOST, DSTU, and ECNR algorithms. Initial lightweight implementation of the ZUC ciphers and macs.</li>  
<li>Vincent Bouckaert &lt;https://github.com/veebee&gt; initial version of RFC 4998 ASN.1 classes.</li>  
<li>Tony Washer &lt;https://github.com/tonywasher&gt; ECIESKeyEncapsulation fix for use of OldCofactor mode. Submitted ChaCha20Poly1305 prototype.</li>  
<li>Aurimas Liutikas &lt;https://github.com/liutikas&gt; JavaDoc patches to ReasonsMask.</li>  
<li>Gabriel Sroka &lt;https://github.com/gabrielsroka&gt; corrected comments in RSA validation.</li>  
<li>sarah-mdv &lt;https://github.com/sarah-mdv&gt; improvements to JceKeyTransRecipientInfoGenerator, tests for JournalingSecureRandom, initial implementation of JournaledAlgorithm.</li>  
<li>Jesse Feinman &lt;https://github.com/jessefeinman&gt; performance optimisation in RSAKeyParameters.</li>  
<li>Gilis95 &lt;https://github.com/Gilis95&gt; improved JSSE compatibility for setEnabledCipherSuites.</li>  
<li>Haemin Yoo &lt;https://github.com/yoohaemin&gt; Javadoc fixes.</li>  
<li>Antoine Toulme &lt;https://github.com/atoulme&gt; Initial implementation of EthereumIESEngine.</li>  
<li>Golden Looly &lt;https://github.com/looly&gt; Patch for addition of C1C3C2 mode to SM2Engine.</li>  
<li>Moses Palm&eacute;r, TrueSec &lt;Henrik.Palmer@#064truesec.se&gt; Additional improvements to constant time comparisons.</li>  
<li>Ren&eacute;, Korthaus&lt;https://github.com/securitykernel&gt; Update to XMSS/XMSS^MT OID values to bring them in line with RFC 8391.</li>  
<li>THausherr&lt;https://github.com/THausherr&gt; Addition generic support for CMS/TSP functions.</li>  
<li>Gaylor Bosson&lt;https://github.com/Gilthoniel&gt; Initial implementation of Blake2xs.</li>  
<li>gaellalire&lt;https://github.com/gaellalire&gt; Patch for unprotected PGP private keys as SExpr.</li>  
<li>im-scooter&lt;https://github.com/im-scooter&gt; Patch for case-insensitive behaviour of Param-Z.</li>  
<li>Nick hitchan&lt;https://github.com/hitchan&gt; Fix for typo in engineInitSign() in EdEc SignatureSpi.</li>  
<li>dbusche&lt;https://github.com/dbusche&gt; Argon2 optimisations.</li>  
<li>Daniel Heldt&lt;https://github.com/dheldt&gt; Fixing encodings in unicode tests to allow a wider range of Java compilers to work. Tweak to inheritance in JceKeyAgreeRecipient.</li>  
<li>Ugochukwu Mmaduekwe&lt;https://github.com/Xor-el&gt; Fix for initially bugged legacy Integers.numberOfLeadingZeros method.</li>  
<li>Gsealy &lt;https://github.com/Gsealy&gt; addition of PBKDF2withHmacSM3 to the provider.</li>  
<li>aphuang2013 &lt;https://github.com/aphuang2013&gt; update to path validation in EST service for ClearPath EST.</li>  
<li>Kevin Herron &lt;https://github.com/kevinherron&gt; Initial ChaCha20Poly1305 prototype.</li>  
<li>vkreml &lt;https://github.com/svkreml&gt; GOST compliance change for DefaultCMSSignatureEncryptionAlgorithmFinder.</li>  
<li>Tobias Ospelt &gt;tobias@#064pentagrid.ch&lt; Identification of 1.63 regression in ASN.1 parsing.</li>



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## 1.448 spring-messaging 5.1.10

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\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/handler/annotation/ValueConstants.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/handler/annotation/Headers.java  
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jar/org/springframework/messaging/handler/HandlerMethod.java
* /opt/ws_local/PERMITS_SQL/1013730230_1591385285.4/0/spring-messaging-5-1-10-release-sources-
jar/org/springframework/messaging/support/AbstractMessageChannel.java
* /opt/ws_local/PERMITS_SQL/1013730230_1591385285.4/0/spring-messaging-5-1-10-release-sources-
jar/org/springframework/messaging/handler/invocation/HandlerMethodReturnValueHandlerComposite.java
* /opt/ws_local/PERMITS_SQL/1013730230_1591385285.4/0/spring-messaging-5-1-10-release-sources-
jar/org/springframework/messaging/simp/config/AbstractMessageBrokerConfiguration.java
* /opt/ws_local/PERMITS_SQL/1013730230_1591385285.4/0/spring-messaging-5-1-10-release-sources-
jar/org/springframework/messaging/simp/stomp/StompBrokerRelayMessageHandler.java
* /opt/ws_local/PERMITS_SQL/1013730230_1591385285.4/0/spring-messaging-5-1-10-release-sources-
jar/org/springframework/messaging/simp/stomp/StompSession.java
* /opt/ws_local/PERMITS_SQL/1013730230_1591385285.4/0/spring-messaging-5-1-10-release-sources-
jar/org/springframework/messaging/core/GenericMessagingTemplate.java
* /opt/ws_local/PERMITS_SQL/1013730230_1591385285.4/0/spring-messaging-5-1-10-release-sources-
jar/org/springframework/messaging/handler/invocation/HandlerMethodArgumentResolverComposite.java
* /opt/ws_local/PERMITS_SQL/1013730230_1591385285.4/0/spring-messaging-5-1-10-release-sources-
jar/org/springframework/messaging/simp/annotation/support/SimpAnnotationMethodMessageHandler.java
* /opt/ws_local/PERMITS_SQL/1013730230_1591385285.4/0/spring-messaging-5-1-10-release-sources-
jar/org/springframework/messaging/handler/invocation/ReactiveReturnValueHandler.java
* /opt/ws_local/PERMITS_SQL/1013730230_1591385285.4/0/spring-messaging-5-1-10-release-sources-
jar/org/springframework/messaging/simp/stomp/StompHeaderAccessor.java
* /opt/ws_local/PERMITS_SQL/1013730230_1591385285.4/0/spring-messaging-5-1-10-release-sources-
jar/org/springframework/messaging/simp/stomp/StompEncoder.java
* /opt/ws_local/PERMITS_SQL/1013730230_1591385285.4/0/spring-messaging-5-1-10-release-sources-
jar/org/springframework/messaging/handler/annotation/support/MethodArgumentNotValidException.java
* /opt/ws_local/PERMITS_SQL/1013730230_1591385285.4/0/spring-messaging-5-1-10-release-sources-
jar/org/springframework/messaging/tcp/reactor/ReactorNettyTcpClient.java
* /opt/ws_local/PERMITS_SQL/1013730230_1591385285.4/0/spring-messaging-5-1-10-release-sources-
jar/org/springframework/messaging/simp/SimpMessageHeaderAccessor.java
* /opt/ws_local/PERMITS_SQL/1013730230_1591385285.4/0/spring-messaging-5-1-10-release-sources-
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jar/org/springframework/messaging/handler/invocation/InvocableHandlerMethod.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/simp/stomp/StompDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/handler/invocation/AsyncHandlerMethodReturnValueHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/simp/user/MultiServerUserRegistry.java  
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jar/org/springframework/messaging/MessageHandlingException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/converter/SimpleMessageConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/support/MessageHeaderInitializer.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/support/HeaderMapper.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/support/InterceptableChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/handler/annotation/support/MessageHandlerMethodFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/support/MessageHandlingRunnable.java  
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jar/org/springframework/messaging/simp/SimpMessageType.java
* /opt/ws_local/PERMITS_SQL/1013730230_1591385285.4/0/spring-messaging-5-1-10-release-sources-
jar/org/springframework/messaging/PollableChannel.java
* /opt/ws_local/PERMITS_SQL/1013730230_1591385285.4/0/spring-messaging-5-1-10-release-sources-
jar/org/springframework/messaging/SubscribableChannel.java
* /opt/ws_local/PERMITS_SQL/1013730230_1591385285.4/0/spring-messaging-5-1-10-release-sources-
jar/org/springframework/messaging/simp/stomp/StompConversionException.java
* /opt/ws_local/PERMITS_SQL/1013730230_1591385285.4/0/spring-messaging-5-1-10-release-sources-
jar/org/springframework/messaging/core/DestinationResolutionException.java
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jar/org/springframework/messaging/MessageDeliveryException.java
* /opt/ws_local/PERMITS_SQL/1013730230_1591385285.4/0/spring-messaging-5-1-10-release-sources-
jar/org/springframework/messaging/handler/annotation/DestinationVariable.java
* /opt/ws_local/PERMITS_SQL/1013730230_1591385285.4/0/spring-messaging-5-1-10-release-sources-
jar/org/springframework/messaging/core/MessagePostProcessor.java
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jar/org/springframework/messaging/support/AbstractSubscribableChannel.java
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\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-jar/org/springframework/messaging/simp/stomp/StompReactorNettyCodec.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-jar/org/springframework/messaging/simp/stomp/ConnectionLostException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-jar/org/springframework/messaging/simp/stomp/StompCommand.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-jar/org/springframework/messaging/simp/user/SimpUserRegistry.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-jar/org/springframework/messaging/simp/user/UserDestinationResolver.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-jar/org/springframework/messaging/simp/user/SimpSubscriptionMatcher.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-jar/org/springframework/messaging/handler/annotation/support/PayloadArgumentResolver.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-



jar/org/springframework/messaging/handler/annotation/support/HeaderMethodArgumentResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/support/ChannelInterceptor.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/support/GenericMessage.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/simp/annotation/support/PrincipalMethodArgumentResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/handler/AbstractMessageCondition.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/simp/SimpLogging.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/handler/annotation/support/AnnotationExceptionHandlerMethodResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/core/DestinationResolvingMessageReceivingOperations.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/simp/user/DefaultUserDestinationResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/tcp/TcpConnection.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/handler/invocation/AbstractMethodMessageHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/converter/MappingJackson2MessageConverter.java  
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jar/org/springframework/messaging/handler/DestinationPatternsMessageCondition.java  
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jar/org/springframework/messaging/Message.java  
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jar/org/springframework/messaging/simp/broker/AbstractSubscriptionRegistry.java  
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jar/org/springframework/messaging/support/ImmutableMessageChannelInterceptor.java  
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jar/org/springframework/messaging/simp/SimpAttributesContextHolder.java  
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jar/org/springframework/messaging/handler/annotation/support/HeadersMethodArgumentResolver.java  
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jar/org/springframework/messaging/simp/broker/SimpleBrokerMessageHandler.java  
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jar/org/springframework/messaging/tcp/reactor/ReactorNettyTcpConnection.java  
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jar/org/springframework/messaging/core/MessageRequestReplyOperations.java  
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jar/org/springframework/messaging/simp/broker/BrokerAvailabilityEvent.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
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jar/org/springframework/messaging/simp/stomp/BufferingStompDecoder.java  
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jar/org/springframework/messaging/core/DestinationResolvingMessageSendingOperations.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/core/MessageSendingOperations.java  
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jar/org/springframework/messaging/handler/annotation/support/MessageMethodArgumentResolver.java  
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jar/org/springframework/messaging/core/CachingDestinationResolverProxy.java  
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jar/org/springframework/messaging/simp/broker/AbstractBrokerMessageHandler.java  
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jar/org/springframework/messaging/core/AbstractMessagingTemplate.java  
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jar/org/springframework/messaging/simp/stomp/DefaultStompSession.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/simp/stomp/ReactorNettyTcpStompClient.java  
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jar/org/springframework/messaging/handler/annotation/support/DefaultMessageHandlerMethodFactory.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/simp/SimpMessagingTemplate.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/core/AbstractMessageReceivingTemplate.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/core/AbstractDestinationResolvingMessagingTemplate.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/core/AbstractMessageSendingTemplate.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/simp/config/StompBrokerRelayRegistration.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/core/DestinationResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/simp/annotation/support/MissingSessionUserException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/simp/SimpMessageMappingInfo.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/simp/config/SimpleBrokerRegistration.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/MessageHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-  
jar/org/springframework/messaging/support/AbstractHeaderMapper.java  
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```
/**
 * Set the max pool size of the ThreadPoolExecutor.
 * <p><strong>NOTE:</strong> When an unbounded
 * { @link #queueCapacity(int) queueCapacity } is configured (the default), the
 * max pool size is effectively ignored. See the "Unbounded queues" strategy
 * in { @link java.util.concurrent.ThreadPoolExecutor ThreadPoolExecutor } for
 * more details.
 * <p>By default this is set to { @code Integer.MAX_VALUE }.
 */
```

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1013730230\_1591385285.4/0/spring-messaging-5-1-10-release-sources-jar/org/springframework/messaging/simp/config/TaskExecutorRegistration.java

## 1.449 spring-boot-starter-logging 2.1.9

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## 1.450 netty-tcnative-boringssl-static 2.0.26

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## 1.454 slf4j-log4j 1.7.28

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# 1.455 zookeeper-jute 3.5.6

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\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/config/JtaTransactionManagerBeanDefinitionParser.java

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\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-

jar/org/springframework/dao/NonTransientDataAccessResourceException.java  
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jar/org/springframework/jca/support/ResourceAdapterFactoryBean.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/transaction/interceptor/TransactionAttributeSourceAdvisor.java  
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jar/org/springframework/dao/DataAccessResourceFailureException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/dao/DataAccessException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/dao/TransientDataAccessException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/transaction/event/TransactionPhase.java  
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jar/org/springframework/dao/ConcurrencyFailureException.java  
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jar/org/springframework/transaction/event/ApplicationListenerMethodTransactionalAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/dao/UncategorizedDataAccessException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/transaction/TransactionSystemException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/transaction/annotation/ProxyTransactionManagementConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/transaction/jta/WebSphereUowTransactionManager.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/transaction/interceptor/BeanFactoryTransactionAttributeSourceAdvisor.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/jca/context/ResourceAdapterApplicationContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/transaction/support/CallbackPreferringPlatformTransactionManager.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/transaction/event/TransactionalEventListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/jca/cci/connection/DelegatingConnectionFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/transaction/support/TransactionCallbackWithoutResult.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/jca/cci/core/support/CommAreaRecord.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/dao/support/PersistenceExceptionTranslationInterceptor.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/dao/OptimisticLockingFailureException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/jca/cci/connection/ConnectionSpecConnectionFactoryAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/jca/support/SimpleBootstrapContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-

jar/org/springframework/dao/NonTransientDataAccessException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/jca/cci/core/CciOperations.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/jca/cci/object/EisOperation.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/dao/DataRetrievalFailureException.java  
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jar/org/springframework/transaction/interceptor/NoRollbackRuleAttribute.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/dao/RecoverableDataAccessException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/dao/PessimisticLockingFailureException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/jca/cci/connection/NotSupportedRecordFactory.java  
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jar/org/springframework/jca/work/DelegatingWork.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/transaction/TransactionUsageException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/jca/cci/InvalidResultSetAccessException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/transaction/TransactionSuspensionNotSupportedException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/transaction/interceptor/TransactionAttributeSourceEditor.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/transaction/jta/JtaAfterCompletionSynchronization.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/transaction/config/TxNamespaceHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/dao/CleanupFailureDataAccessException.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/dao/EmptyResultDataAccessException.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/dao/InvalidDataAccessResourceUsageException.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/support/TransactionSynchronizationAdapter.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/NoTransactionException.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/dao/InvalidDataAccessApiUsageException.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/dao/DuplicateKeyException.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/support/ResourceTransactionManager.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/dao/DeadlockLoserDataAccessException.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/CannotCreateTransactionException.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/InvalidIsolationLevelException.java

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\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/interceptor/DelegatingTransactionAttribute.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/dao/DataIntegrityViolationException.java

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\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/dao/CannotAcquireLockException.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/support/TransactionOperations.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/dao/CannotSerializeTransactionException.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/TransactionTimedOutException.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/TransactionException.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/dao/QueryTimeoutException.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/jta/ManagedTransactionAdapter.java

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\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/jta/TransactionFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/UnexpectedRollbackException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/jta/UserTransactionAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/dao/PermissionDeniedDataAccessException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/dao/TypeMismatchDataAccessException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/dao/TransientDataAccessResourceException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/IllegalTransactionStateException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/NestedTransactionNotSupportedException.java

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\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/interceptor/TransactionAttributeSource.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/interceptor/TransactionAttribute.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/interceptor/TransactionAttributeEditor.java

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\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/support/AbstractPlatformTransactionManager.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-

jar/org/springframework/transaction/interceptor/CompositeTransactionAttributeSource.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/transaction/PlatformTransactionManager.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/transaction/interceptor/TransactionAspectSupport.java  
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jar/org/springframework/jca/cci/core/CciTemplate.java  
* /opt/ws_local/PERMITS_SQL/1013730204_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/jca/work/WorkManagerTaskExecutor.java  
* /opt/ws_local/PERMITS_SQL/1013730204_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/transaction/interceptor/AbstractFallbackTransactionAttributeSource.java  
* /opt/ws_local/PERMITS_SQL/1013730204_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/jca/cci/core/support/CciDaoSupport.java  
* /opt/ws_local/PERMITS_SQL/1013730204_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/jca/context/SpringContextResourceAdapter.java  
* /opt/ws_local/PERMITS_SQL/1013730204_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/dao/IncorrectResultSizeDataAccessException.java  
* /opt/ws_local/PERMITS_SQL/1013730204_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/transaction/support/DefaultTransactionStatus.java  
* /opt/ws_local/PERMITS_SQL/1013730204_1591385378.89/0/spring-tx-5-1-10-release-sources-  
jar/org/springframework/transaction/annotation/AbstractTransactionManagementConfiguration.java
```



\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/support/TransactionSynchronizationUtils.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/jca/cci/object/MappingRecordOperation.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/jca/work/SimpleTaskWorkManager.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/jta/SpringJtaSynchronizationAdapter.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/jta/WebLogicJtaTransactionManager.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/InvalidTimeoutException.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/annotation/SpringTransactionAnnotationParser.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/annotation/Transactional.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/jca/endpoint/GenericMessageEndpointManager.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/dao/support/ChainedPersistenceExceptionTranslator.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/jta/JtaTransactionManager.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/jca/cci/connection/CciLocalTransactionManager.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/jca/cci/connection/ConnectionHolder.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/support/DefaultTransactionDefinition.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/dao/support/DaoSupport.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/interceptor/TransactionAttributeSourcePointcut.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/jta/SimpleTransactionFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/jca/cci/object/MappingCommAreaOperation.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/jca/cci/CannotCreateRecordException.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/jta/JtaTransactionObject.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/jca/context/BootstrapContextAware.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/support/SimpleTransactionScope.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/config/AnnotationDrivenBeanDefinitionParser.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/interceptor/TransactionInterceptor.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/jca/cci/connection/TransactionAwareConnectionFactoryProxy.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/support/ResourceTransactionDefinition.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/annotation/Ejb3TransactionAnnotationParser.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/config/TransactionManagementConfigUtils.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/jca/cci/core/ConnectionCallback.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/jca/cci/CannotGetCciConnectionException.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/support/SimpleTransactionStatus.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/jca/endpoint/GenericMessageEndpointFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/interceptor/NameMatchTransactionAttributeSource.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/support/ResourceHolderSynchronization.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/jca/cci/object/SimpleRecordOperation.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/interceptor/TransactionProxyFactoryBean.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/annotation/AnnotationTransactionAttributeSource.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/interceptor/DefaultTransactionAttribute.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/HeuristicCompletionException.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/interceptor/RuleBasedTransactionAttribute.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/jca/cci/CciOperationNotSupportedException.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/jca/cci/connection/SingleConnectionFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/support/ResourceHolderSupport.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/annotation/JtaTransactionAnnotationParser.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/annotation/Isolation.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/TransactionStatus.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/annotation/TransactionManagementConfigurationSelector.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/config/JtaTransactionManagerFactoryBean.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/event/TransactionalEventListenerFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/interceptor/MatchAlwaysTransactionAttributeSource.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/support/TransactionSynchronization.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/jca/cci/core/RecordExtractor.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/interceptor/RollbackRuleAttribute.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/support/TransactionTemplate.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/annotation/TransactionAnnotationParser.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/TransactionDefinition.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/jca/cci/RecordTypeNotSupportedException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/jca/endpoint/AbstractMessageEndpointFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/transaction/support/AbstractTransactionStatus.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/jca/support/LocalConnectionFactoryBean.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/jca/cci/connection/ConnectionFactoryUtils.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-jar/org/springframework/dao/support/PersistenceExceptionTranslator.java

\* /opt/ws\_local/PERMITS\_SQL/1013730204\_1591385378.89/0/spring-tx-5-1-10-release-sources-

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jar/org/springframework/transaction/config/TxAdviceBeanDefinitionParser.java
* /opt/ws_local/PERMITS_SQL/1013730204_1591385378.89/0/spring-tx-5-1-10-release-sources-
jar/org/springframework/jca/cci/core/RecordCreator.java
* /opt/ws_local/PERMITS_SQL/1013730204_1591385378.89/0/spring-tx-5-1-10-release-sources-
jar/org/springframework/transaction/annotation/TransactionManagementConfigurer.java
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```
* /opt/ws_local/PERMITS_SQL/1013730204_1591385378.89/0/spring-tx-5-1-10-release-sources-
jar/org/springframework/transaction/support/SmartTransactionObject.java
```

## 1.459 spring-boot-autoconfigure 2.1.9

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- \* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-jar/org/springframework/boot/autoconfigure/jdbc/EmbeddedDataSourceConfiguration.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-jar/org/springframework/boot/autoconfigure/web/servlet/ConditionalOnMissingFilterBean.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-jar/org/springframework/boot/autoconfigure/transaction/package-info.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-jar/org/springframework/boot/autoconfigure/groovy/template/GroovyTemplateProperties.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-jar/org/springframework/boot/autoconfigure/security/SecurityDataConfiguration.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-jar/org/springframework/boot/autoconfigure/package-info.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-jar/org/springframework/boot/autoconfigure/web/reactive/error/AbstractErrorWebExceptionHandler.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-jar/org/springframework/boot/autoconfigure/security/oauth2/resource/reactive/ReactiveOAuth2ResourceServerAutoConfiguration.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-jar/org/springframework/boot/autoconfigure/session/SessionRepositoryUnavailableException.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-jar/org/springframework/boot/autoconfigure/jms/JmsAnnotationDrivenConfiguration.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-jar/org/springframework/boot/autoconfigure/websocket/servlet/package-info.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-jar/org/springframework/boot/autoconfigure/data/mongo/MongoRepositoriesAutoConfiguration.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-jar/org/springframework/boot/autoconfigure/transaction/TransactionAutoConfiguration.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-jar/org/springframework/boot/autoconfigure/cloud/package-info.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-jar/org/springframework/boot/autoconfigure/diagnostics/analyzer/NoSuchBeanDefinitionFailureAnalyzer.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-jar/org/springframework/boot/autoconfigure/web/servlet/DispatcherServletRegistrationBean.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-jar/org/springframework/boot/autoconfigure/hateoas/HateoasProperties.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-jar/org/springframework/boot/autoconfigure/cassandra/package-info.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-jar/org/springframework/boot/autoconfigure/info/package-info.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-jar/org/springframework/boot/autoconfigure/condition/OnCloudPlatformCondition.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-jar/org/springframework/boot/autoconfigure/web/reactive/ReactiveWebServerFactoryAutoConfiguration.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-jar/org/springframework/boot/autoconfigure/cache/package-info.java
- \* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-

jar/org/springframework/boot/autoconfigure/web/package-info.java  
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jar/org/springframework/boot/autoconfigure/thymeleaf/ThymeleafProperties.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-  
jar/org/springframework/boot/autoconfigure/cache/NoOpCacheConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-  
jar/org/springframework/boot/autoconfigure/context/MessageSourceProperties.java  
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jar/org/springframework/boot/autoconfigure/data/couchbase/CouchbaseConfigurerAdapterConfiguration.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-  
jar/org/springframework/boot/autoconfigure/integration/package-info.java  
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jar/org/springframework/boot/autoconfigure/websocket/servlet/JettyWebSocketServletWebServerCustomizer.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-  
jar/org/springframework/boot/autoconfigure/condition/ConditionalOnCloudPlatform.java  
\* /opt/ws\_local/PERMITS\_SQL/1013730207\_1591898013.43/0/spring-boot-autoconfigure-2-1-9-release-sources-  
jar/org/springframework/boot/autoconfigure/logging/package-info.java  
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jar/org/springframework/boot/autoconfigure/logging/ConditionEvaluationReportMessage.java  
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jar/org/springframework/boot/autoconfigure/session/SessionProperties.java  
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jar/org/springframework/boot/autoconfigure/websocket/servlet/WebSocketServletAutoConfiguration.java  
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jar/org/springframework/boot/autoconfigure/AutoConfigureOrder.java  
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## 1.462 slf4j-log4j 1.7.28

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Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/ForwardingNavigableMap.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/AbstractMultimap.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-

jar/com/google/common/collect/FilteredEntrySetMultimap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/ForwardingBlockingDeque.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/ForwardingImmutableList.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/FilteredKeySetMultimap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/AbstractSortedKeySortedSetMultimap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/FilteredKeyListMultimap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/TransformedListIterator.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/TransformedIterator.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/TreeRangeMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/ForwardingDeque.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/FilteredMultimap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/ForwardingImmutableMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/AllEqualOrdering.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/CompactHashSet.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/UnmodifiableSortedMultiset.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/DescendingImmutableSortedSet.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/CompactHashMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/ImmutableEnumMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/ForwardingNavigableSet.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/DescendingMultiset.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/EvictingQueue.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/FilteredEntryMultimap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/CompactLinkedHashMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/FilteredSetMultimap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-

jar/com/google/common/collect/AbstractNavigableMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/CompactLinkedHashSet.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/TreeTraverser.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/RegularImmutableAsList.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/ForwardingImmutableSet.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/SortedMultisetBridge.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/util/concurrent/ForwardingBlockingDeque.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/RangeMap.java

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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/SortedMultisets.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/SortedMultiset.java

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jar/com/google/common/collect/IndexedImmutableSet.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/BaseImmutableMultimap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/JdkBackedImmutableBiMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
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/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/util/concurrent/Partially.java

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/\*\*

\* Holder for extra methods of {`@code Objects`} only in web. Intended to be empty for regular

\* version.

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/base/ExtraObjectsMethodsForWeb.java

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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/SortedIterables.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/ImmutableSortedMultiset.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/Count.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/RangeSet.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/ForwardingSortedMultiset.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/ImmutableSortedMultisetFauxverideShim.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/GeneralRange.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/SortedIterable.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/RegularImmutableSortedMultiset.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/AbstractRangeSet.java

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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/hash/LongAdder.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/cache/LongAdder.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/cache/Striped64.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/AtomicDoubleArray.java

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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/base/Optional.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/BoundType.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/cache/AbstractLoadingCache.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/hash/PrimitiveSink.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/cache/RemovalListeners.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/AbstractSortedMultiset.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/primitives/ParseRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/reflect/TypeParameter.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/hash/Funnel.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/ForwardingListeningExecutorService.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/primitives/UnsignedInteger.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/math/BigIntegerMath.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/CycleDetectingLockFactory.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/hash/Crc32cHashFunction.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/hash/AbstractStreamingHasher.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/cache/Weigher.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/math/IntMath.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
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jar/com/google/common/hash/BloomFilterStrategies.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/cache/CacheStats.java  
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jar/com/google/common/cache/ForwardingCache.java  
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jar/com/google/common/util/concurrent/WrappingExecutorService.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/util/concurrent/AsyncFunction.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/cache/CacheBuilderSpec.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/RegularImmutableMultiset.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/hash/Murmur3\_32HashFunction.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/cache/CacheLoader.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/cache/RemovalNotification.java  
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jar/com/google/common/hash/LongAddables.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/io/ByteSink.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/math/StatsAccumulator.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/io/CharSource.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/reflect/AbstractInvocationHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-

jar/com/google/common/reflect/ImmutableTypeToInstanceMap.java  
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jar/com/google/common/collect/CartesianList.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/math/PairedStatsAccumulator.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/reflect/TypeToInstanceMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
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jar/com/google/common/reflect/ClassPath.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-



jar/com/google/common/collect/ImmutableRangeSet.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/cache/LongAddable.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/io/Closer.java  
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jar/com/google/common/util/concurrent/ListenableScheduledFuture.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/hash/SipHashFunction.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/reflect/Element.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/util/concurrent/SmoothRateLimiter.java  
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jar/com/google/common/eventbus/SubscriberExceptionContext.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/base/VerifyException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/eventbus/Subscriber.java  
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jar/com/google/common/io/MoreFiles.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/ImmutableMapEntry.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/MultimapBuilder.java

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jar/com/google/common/collect/JdkBackedImmutableMultiset.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/JdkBackedImmutableSet.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/hash/ImmutableSupplier.java

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jar/com/google/common/base/PatternCompiler.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/base/CommonMatcher.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/base/JdkPattern.java

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jar/com/google/common/base/CommonPattern.java

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jar/com/google/common/collect/ForwardingSetMultimap.java
 * /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
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 * /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
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 * /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/collect/UnmodifiableListIterator.java
 * /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/collect/ForwardingImmutableCollection.java
 * /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/collect/ForwardingListMultimap.java
 * /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/collect/MinMaxPriorityQueue.java
```

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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/io/AppendableWriter.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/TimeLimiter.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/FakeTimeLimiter.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/io/PatternFilenameFilter.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/escape/CharEscaperBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/CollectionFuture.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/GwtFluentFutureCatchingSpecialization.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/ImmediateFuture.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/GwtFuturesCatchingSpecialization.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/Futures.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/TimeoutFuture.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/FuturesGetChecked.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/escape/CharEscaper.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/UncheckedTimeoutException.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/AbstractTransformFuture.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/SimpleTimeLimiter.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/AggregateFuture.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/reflect/TypeToken.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/annotations/VisibleForTesting.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/AbstractCatchingFuture.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-

jar/com/google/common/base/CaseFormat.java

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Found in path(s):

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jar/com/google/common/io/Files.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/eventbus/AsyncEventBus.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/eventbus/AllowConcurrentEvents.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/base/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/eventbus/EventBus.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/EnumMultiset.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/io/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/io/Flushables.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/io/LittleEndianDataOutputStream.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/base/Functions.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/Interners.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/base/Predicates.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/base/Suppliers.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/io/CountingInputStream.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-

jar/com/google/common/base/FinalizableSoftReference.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/io/LineReader.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/io/LittleEndianDataInputStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
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jar/com/google/common/eventbus/package-info.java  
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jar/com/google/common/io/ByteStreams.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/base/FinalizablePhantomReference.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/base/Defaults.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/base/Throwables.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/HashBiMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/base/AbstractIterator.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/eventbus/DeadEvent.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/io/Resources.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/base/FinalizableReference.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/io/Closeables.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/util/concurrent/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/base/Preconditions.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/util/concurrent/DirectExecutor.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-



jar/com/google/common/eventbus/Subscribe.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/io/MultiInputStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/base/Objects.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/base/Charsets.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/io/CharStreams.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/io/CountingOutputStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/base/Predicate.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/util/concurrent/ExecutionList.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/base/Function.java  
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jar/com/google/common/util/concurrent/AtomicLongMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/GwtTransient.java  
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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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```
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/util/concurrent/Striped.java
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* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/collect/SortedSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/collect/AbstractMultiset.java
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/collect/ListMultimap.java
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/collect/AbstractMapBasedMultiset.java
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
```

jar/com/google/common/collect/ReverseOrdering.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/package-info.java  
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jar/com/google/common/collect/CompoundOrdering.java  
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jar/com/google/common/collect/TreeMultimap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/ForwardingListIterator.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/AbstractMapEntry.java  
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jar/com/google/common/collect/AbstractIterator.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/LinkedHashMultiset.java  
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jar/com/google/common/collect/BiMap.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/ForwardingConcurrentMap.java  
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jar/com/google/common/collect/ImmutableSet.java  
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jar/com/google/common/collect/ConcurrentHashMultiset.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/UsingToStringOrdering.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/HashMultimap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/ForwardingIterator.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/ClassToInstanceMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/ExplicitOrdering.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/Maps.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/ComparatorOrdering.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/ReverseNaturalOrdering.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/NullsFirstOrdering.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/Interner.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/LinkedListMultimap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/NaturalOrdering.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-

jar/com/google/common/collect/Iterables.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/LinkedHashMultimap.java  
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jar/com/google/common/collect/Multiset.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/LexicographicalOrdering.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/AbstractMapBasedMultimap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/AbstractSortedSetMultimap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/Iterators.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/ForwardingSortedMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/SetMultimap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/SingletonImmutableSet.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/MutableClassToInstanceMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/AbstractListMultimap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/EnumBiMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/Lists.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/AbstractSetMultimap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/TreeMultiset.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/Multimap.java

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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/graph/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/CollectSpliterators.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/ImmutableBiMapFauxverideShim.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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- \* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/HashBasedTable.java
- \* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/Serialization.java
- \* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/ImmutableMap.java
- \* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/ImmutableListMultimap.java
- \* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/ImmutableMapKeySet.java
- \* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/ImmutableMultimap.java
- \* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/ImmutableBiMap.java
- \* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/RegularImmutableMap.java
- \* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/ImmutableMultiset.java
- \* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/ImmutableMapValues.java
- \* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/ImmutableSortedSet.java
- \* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/PeekingIterator.java
- \* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/TreeBasedTable.java
- \* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/Tables.java
- \* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/ImmutableMapEntrySet.java
- \* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/SingletonImmutableBiMap.java
- \* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
- \* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/UnmodifiableIterator.java
- \* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/EmptyImmutableListMultimap.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/StandardTable.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/CollectPreconditions.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/ImmutableEntry.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/StandardRowSortedTable.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/Collections2.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/Platform.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/Table.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/Range.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/ImmutableCollection.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/RegularImmutableBiMap.java

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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/graph/ValueGraphBuilder.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/graph/DirectedGraphConnections.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/ArrayListMultimapGwtSerializationDependencies.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/graph/AbstractDirectedNetworkConnections.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-



jar/com/google/common/collect/LinkedHashMapMultimapGwtSerializationDependencies.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
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jar/com/google/common/graph/ConfigurableMutableGraph.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
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jar/com/google/common/collect/MoreCollectors.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/graph/DirectedNetworkConnections.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/graph/ConfigurableMutableValueGraph.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/graph/NetworkConnections.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/graph/DirectedMultiNetworkConnections.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-

jar/com/google/common/graph/MapIteratorCache.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/graph/MapRetrievalCache.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/graph/AbstractGraphBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/graph/ConfigurableMutableNetwork.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/graph/GraphBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/graph/EndpointPairIterator.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/graph/ImmutableValueGraph.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/graph/ConfigurableValueGraph.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/graph/GraphConnections.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/graph/ForwardingGraph.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/Comparators.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/graph/MultiEdgesConnecting.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/graph/GraphConstants.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/graph/UndirectedNetworkConnections.java  
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 */  
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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>  
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jar/com/google/common/util/concurrent/MoreExecutors.java

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\* Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable}

\* key.</b> 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>

\*/

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Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/util/concurrent/ForwardingFuture.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/escape/ArrayBasedCharEscaper.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/cache/LocalCache.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/io/LineProcessor.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/xml/XmlEscapers.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/Cut.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/net/InternetDomainName.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/SparseImmutableTable.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/escape/ArrayBasedEscaperMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/MapMakerInternalMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/primitives/SignedBytes.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/reflect/TypeResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/util/concurrent/SettableFuture.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/util/concurrent/Service.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/util/concurrent/AbstractIdleService.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/cache/ReferenceEntry.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/primitives/UnsignedBytes.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-

jar/com/google/common/escape/Platform.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/util/concurrent/AbstractService.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/io/ByteProcessor.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/html/HtmlEscapers.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/net/UrlEscapers.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/util/concurrent/Callables.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/io/ByteArrayDataInput.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/escape/Escapers.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/base/Splitter.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/util/concurrent/ForwardingFluentFuture.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/RegularImmutableTable.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/MapMaker.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/escape/ArrayBasedUnicodeEscaper.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/util/concurrent/JdkFutureAdapters.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/util/concurrent/AbstractExecutionThreadService.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/DenseImmutableTable.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/cache/CacheBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/util/concurrent/ForwardingListenableFuture.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/io/ByteArrayDataOutput.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/base/Platform.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/annotations/GwtIncompatible.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/net/HostSpecifier.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/annotations/GwtCompatible.java

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* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/util/concurrent/ForwardingLock.java
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/primitives/ImmutableDoubleArray.java
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/primitives/ImmutableIntArray.java
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/hash/AbstractHashFunction.java
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/primitives/ImmutableLongArray.java
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/util/concurrent/ForwardingCondition.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/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/collect/ObjectArrays.java
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* the License.
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*/
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Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/primitives/Shorts.java
```

```
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/primitives/Ints.java
```

```
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/escape/UnicodeEscaper.java
```

```
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/primitives/Longs.java
```

```
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/primitives/Doubles.java
```

```
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/primitives/Chars.java
```

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* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/collect/FluentIterable.java
```

```
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/base/internal/Finalizer.java
```

```
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/thirdparty/publicsuffix/TrieParser.java
```

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/base/Joiner.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/net/InetAddresses.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/escape/Escaper.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/base/Converter.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/io/MultiReader.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/primitives/Booleans.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/base/Stopwatch.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/primitives/Bytes.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/ListenableFutureTask.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/primitives/Floats.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/net/PercentEscaper.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/SequentialExecutor.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/io/FileBackedOutputStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/base/CharMatcher.java

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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/AsyncCallable.java



\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/hash/LittleEndianByteArray.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/AggregateFutureState.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/hash/MacHashFunction.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/hash/FarmHashFingerprint64.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/Platform.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/io/ReaderInputStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/ConsumingQueueIterator.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/InterruptibleTask.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/CombinedFuture.java

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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/ThreadFactoryBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/base/Strings.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/Atomics.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/annotations/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/Monitor.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/base/Ascii.java

\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/net/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/SortedLists.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/ListeningExecutorService.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/ContiguousSet.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/annotations/Beta.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/primitives/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/base/Equivalence.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/UncaughtExceptionHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/util/concurrent/ForwardingBlockingQueue.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/ComparisonChain.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/ArrayTable.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/ImmutableSetMultimap.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-jar/com/google/common/collect/RegularImmutableList.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-

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\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/ImmutableAsList.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/SingletonImmutableTable.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/DiscreteDomain.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/ImmutableSortedSetFauxverideShim.java  
\* /opt/ws\_local/PERMITS\_SQL/1013824920\_1591364007.54/0/guava-28-1-jre-sources-  
jar/com/google/common/collect/ForwardingTable.java

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 */
/*
 * This method was rewritten in Java from an intermediate step of the Murmur hash function in
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 */
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/base/SmallCharMatcher.java
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jar/com/google/common/primitives/Platform.java
```

```
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
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```
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/graph/Network.java
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/graph/Graph.java
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/graph/SuccessorsFunction.java
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/graph/MutableNetwork.java
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/io/InsecureRecursiveDeleteException.java
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/graph/PredecessorsFunction.java
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/graph/Graphs.java
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/collect/TopKSelector.java
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/io/RecursiveDeleteOption.java
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/graph/ImmutableGraph.java
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/graph/MutableGraph.java
* /opt/ws_local/PERMITS_SQL/1013824920_1591364007.54/0/guava-28-1-jre-sources-
jar/com/google/common/graph/ImmutableNetwork.java
```

## 1.469 nghttp 1.39.2 r2

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```
set yrange [0:]  
set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024  
set xtics rotate by -45  
set style histogram errorbars gap 2 lw 1  
set style fill solid border -1  
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```

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## 1.470 zstd-jni 1.4.0 1

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Zstd-jni: JNI bindings to Zstd Library

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## 1.471 ncurses 6.1\_p20190518 r0

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```

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```
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Bits of Go-lang's `once.Do()` were cribbed and reused here, too.

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package engine

```
import (  
    "time"  
  
    "github.com/docker/cli/cli/command/formatter"  
    "github.com/docker/cli/internal/licenseutils"  
    "github.com/docker/licensing/model"  
)  
  
const (  
    defaultSubscriptionsTableFormat = "table  
{ {.Num} }\t{ {.Owner} }\t{ {.ProductID} }\t{ {.Expires} }\t{ {.ComponentsString} }"  
    defaultSubscriptionsQuietFormat = "{ {.Num} }:{ {.Summary} }"  
  
    numHeader          = "NUM"  
    ownerHeader        = "OWNER"  
    licenseNameHeader  = "NAME"  
    idHeader           = "ID"  
    dockerIDHeader     = "DOCKER ID"  
    productIDHeader    = "PRODUCT ID"  
    productRatePlanHeader = "PRODUCT RATE PLAN"  
    productRatePlanIDHeader = "PRODUCT RATE PLAN ID"  
    startHeader        = "START"
```

```

expiresHeader      = "EXPIRES"
stateHeader        = "STATE"
eusaHeader         = "EUSA"
pricingComponentsHeader = "PRICING COMPONENTS"
)

// NewSubscriptionsFormat returns a Format for rendering using a license Context
func NewSubscriptionsFormat(source string, quiet bool) formatter.Format {
switch source {
case formatter.TableFormatKey:
if quiet {
return defaultSubscriptionsQuietFormat
}
return defaultSubscriptionsTableFormat
case formatter.RawFormatKey:
if quiet {
return `license: {{.ID}}`
}
return `license: {{.ID}}\nname: {{.Name}}\nowner: {{.Owner}}\ncomponents: {{.ComponentsString}}\n`
}
return formatter.Format(source)
}

// SubscriptionsWrite writes the context
func SubscriptionsWrite(ctx formatter.Context, subs []licenseutils.LicenseDisplay) error {
render := func(format func(subContext formatter.SubContext) error) error {
for _, sub := range subs {
licenseCtx := &licenseContext{trunc: ctx.Trunc, l: sub}
if err := format(licenseCtx); err != nil {
return err
}
}
return nil
}
licenseCtx := licenseContext{ }
licenseCtx.Header = map[string]string{
"Num":      numHeader,
"Owner":    ownerHeader,
"Name":     licenseNameHeader,
"ID":      idHeader,
"DockerID": dockerIDHeader,
"ProductID": productIDHeader,
"ProductRatePlan": productRatePlanHeader,
"ProductRatePlanID": productRatePlanIDHeader,
"Start":    startHeader,
"Expires":  expiresHeader,
"State":    stateHeader,
"Eusa":     eusaHeader,

```



```

    "ComponentsString": pricingComponentsHeader,
    }
    return ctx.Write(&licenseCtx, render)
    }

type licenseContext struct {
    formatter.HeaderContext
    trunc bool
    l licenseutils.LicenseDisplay
    }

func (c *licenseContext) MarshalJSON() ([]byte, error) {
    return formatter.MarshalJSON(c)
    }

func (c *licenseContext) Num() int {
    return c.l.Num
    }

func (c *licenseContext) Owner() string {
    return c.l.Owner
    }

func (c *licenseContext) ComponentsString() string {
    return c.l.ComponentsString
    }

func (c *licenseContext) Summary() string {
    return c.l.String()
    }

func (c *licenseContext) Name() string {
    return c.l.Name
    }

func (c *licenseContext) ID() string {
    return c.l.ID
    }

func (c *licenseContext) DockerID() string {
    return c.l.DockerID
    }

func (c *licenseContext) ProductID() string {
    return c.l.ProductID
    }

func (c *licenseContext) ProductRatePlan() string {

```

```

return c.l.ProductRatePlan
}

func (c *licenseContext) ProductRatePlanID() string {
return c.l.ProductRatePlanID
}

func (c *licenseContext) Start() *time.Time {
return c.l.Start
}

func (c *licenseContext) Expires() *time.Time {
return c.l.Expires
}

func (c *licenseContext) State() string {
return c.l.State
}

func (c *licenseContext) Eusa() *model.EusaState {
return c.l.Eusa
}

func (c *licenseContext) PricingComponents() []model.SubscriptionPricingComponent {
// Dereference the pricing component pointers in the pricing components
// so it can be rendered properly with the template formatter

var ret []model.SubscriptionPricingComponent
for _, spc := range c.l.PricingComponents {
if spc == nil {
continue
}
ret = append(ret, *spc)
}
return ret
}

```

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Protocol Buffers for Go with Gadgets

Go support for Protocol Buffers - Google's data interchange format

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package licensing

```
import (  
    "context"  
    "crypto/hmac"  
    "crypto/sha256"  
    "encoding/base64"  
    "encoding/json"  
    "fmt"  
    "time"  
  
    "github.com/docker/libtrust"  
    "github.com/docker/licensing/lib/errors"  
    "github.com/docker/licensing/lib/go-clientlib"  
    "github.com/docker/licensing/model"  
)  
  
func (c *client) getLicenseFile(ctx context.Context, subID string) (*model.IssuedLicense, error) {  
    url := c.baseURI  
    url.Path += fmt.Sprintf("/api/billing/v4/subscriptions/%s/license-file", subID)  
  
    license := new(model.IssuedLicense)  
    if _, _, err := c.doReq(ctx, "GET", &url, clientlib.RecvJSON(license)); err != nil {  
        return nil, err  
    }  
}
```

```

return license, nil
}

// Check verifies that the license identified by the given key id is valid. Note that it does not
// interrogate the contents of the license.
func (c *client) check(ctx context.Context, license model.IssuedLicense) (*model.CheckResponse, error) {
    keyID := license.KeyID
    privateKey := license.PrivateKey

    authorization, err := c.getAuthorization(ctx, license)
    if err != nil {
        return nil, err
    }

    // TODO: Mason - replace this parseJWS with a non libtrust lib
    signature, err := libtrust.ParseJWS(authorization)
    if err != nil {
        return nil, errors.Wrapf(err, errors.Fields{
            "key_id": keyID,
        }, "license parse JWS failed")
    }

    keys, err := signature.Verify()
    if err != nil {
        return nil, errors.Wrapf(err, errors.Fields{
            "key_id": keyID,
        }, "license signature verification failed")
    }

    keyCnt := len(keys)
    if keyCnt != 1 {
        err = fmt.Errorf("unexpected number of signing keys (%d)", keyCnt)
        return nil, errors.WithStack(err).With(errors.Fields{
            "key_id": keyID,
        })
    }

    key := keys[0]

    if !c.recognizedSigningKey(key) {
        return nil, errors.New("unrecognized signing key")
    }

    payload, err := signature.Payload()
    if err != nil {
        return nil, errors.Wrapf(err, errors.Fields{
            "key_id": keyID,
        }, "malformed signature payload")
    }
}

```

```

}

checkRes := new(model.CheckResponse)

err = json.Unmarshal(payload, &checkRes)
if err != nil {
    return nil, errors.Wrapf(err, errors.Fields{
        "key_id": keyID,
    }, "license payload unmarshal failed")
}

msg := checkRes.Expiration.Format(time.RFC3339)
if err := checkToken(msg, checkRes.Token, privateKey); err != nil {
    return nil, errors.Wrapf(err, errors.Fields{
        "key_id": keyID,
    })
}

return checkRes, nil
}

// recognizedSigningKey returns true if the given key is signed with a recognized signing key, false otherwise
func (c *client) recognizedSigningKey(key libtrust.PublicKey) bool {
    for _, publicKey := range c.publicKeys {
        if key.KeyID() == publicKey.KeyID() {
            return true
        }
    }
    return false
}

// getAuthorization returns the decoded license authorization
func (c *client) getAuthorization(ctx context.Context, license model.IssuedLicense) ([]byte, error) {
    decoded, err := base64.StdEncoding.DecodeString(license.Authorization)
    if err != nil {
        return nil, errors.Wrapf(err, errors.Fields{
            "key_id": license.KeyID,
        }, "decoding license authorization failed")
    }
    return decoded, nil
}

// All of the functions in this file assume that they are receiving a properly
// formatted private key.

// checkToken performs a MAC algorithm (where token is generated by hashing the
// message with the privateKey via GenerateToken) with the purpose of authenticating
// the validity of both the message and the private key of the person who generated

```

```

// the token.
func checkToken(message, token, privateKey string) error {
    tokenBytes, err := base64.URLEncoding.DecodeString(token)
    if err != nil {
        return errors.Wrap(err, errors.Fields{"token": token})
    }

    generatedToken, err := generateToken(message, privateKey)
    if err != nil {
        return errors.Wrap(err, errors.Fields{"token": token})
    }

    generatedBytes, err := base64.URLEncoding.DecodeString(generatedToken)
    if err != nil {
        return errors.Wrap(err, errors.Fields{"token": token})
    }

    if !hmac.Equal(tokenBytes, generatedBytes) {
        return errors.Forbidden(errors.Fields{"token": token}, "invalid token")
    }

    return nil
}

// generateToken generates a hash of the message with the privateKey via the
// sha256 algorithm.
func generateToken(message, privateKey string) (string, error) {
    key, err := base64.URLEncoding.DecodeString(privateKey)
    if err != nil {
        return "", errors.Wrap(err, errors.Fields{"msg": message})
    }

    h := hmac.New(sha256.New, key)
    h.Write([]byte(message))
    return base64.URLEncoding.EncodeToString(h.Sum(nil)), nil
}

```

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limitations under the License.  
procfs provides functions to retrieve system, kernel and process  
metrics from the pseudo-filesystem proc.

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package model

```
import "time"
```

```
// A CheckResponse is the internal content of the PublicCheckResponse signed
```

```
// json blob.
```

```
type CheckResponse struct {  
    Expiration    time.Time `json:"expiration"`  
    Token         string    `json:"token"`  
    MaxEngines    int      `json:"maxEngines"`  
    ScanningEnabled bool     `json:"scanningEnabled"`  
    Type          string    `json:"licenseType"`  
    Tier          string    `json:"tier"`  
}
```

```
// IssuedLicense represents an issued license
```

```
type IssuedLicense struct {  
    KeyID         string `json:"key_id"`  
    PrivateKey    string `json:"private_key"`  
    Authorization string `json:"authorization"`  
}
```



```
// Valid returns true if the License is syntactically valid, false otherwise
func (l *IssuedLicense) Valid() (bool, string) {
    if l.KeyID == "" {
        return false, "empty key_id"
    }

    if l.PrivateKey == "" {
        return false, "empty private_key"
    }

    if l.Authorization == "" {
        return false, "empty authorization"
    }

    return true, ""
}
```

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PNG

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package engine

```
import (  
    "bytes"  
    "encoding/json"  
    "strings"  
    "testing"  
    "time"  
  
    "github.com/docker/cli/cli/command/formatter"  
    "github.com/docker/cli/internal/licenseutils"  
    "github.com/docker/licensing/model"  
    "gotest.tools/assert"  
    is "gotest.tools/assert/cmp"  
)  
  
func TestSubscriptionContextWrite(t *testing.T) {  
    cases := []struct {  
        context formatter.Context  
        expected string  
    }{  
        // Errors  
        {  
            formatter.Context{Format: "{{InvalidFunction}}"},  
            `Template parsing error: template: :1: function "InvalidFunction" not defined`  
        },  
        {  
            formatter.Context{Format: "{{nil}}"},  
            `Template parsing error: template: :1:2: executing "" at <nil>: nil is not a command`  
        },  
        // Table format  
        {  
            formatter.Context{Format: NewSubscriptionsFormat("table", false)},  
            `NUM          OWNER          PRODUCT ID    EXPIRES          PRICING COMPONENTS  
1             owner1         productid1    2020-01-01 10:00:00 +0000 UTC  compstring  
2             owner2         productid2    2020-01-01 10:00:00 +0000 UTC  compstring`  
        },  
        {  
            formatter.Context{Format: NewSubscriptionsFormat("table", true)},  
            `1:License Name: name1 Quantity: 10 nodes Expiration date: 2020-01-01  
2:License Name: name2 Quantity: 20 nodes Expiration date: 2020-01-01`  
        },  
        {  
            formatter.Context{Format: NewSubscriptionsFormat("table {{.Owner}}", false)},  

```

```

    `OWNER
owner1
owner2
`,
},
{
    formatter.Context{Format: NewSubscriptionsFormat("table {{.Owner}}", true)},
    `OWNER
owner1
owner2
`,
},
// Raw Format
{
    formatter.Context{Format: NewSubscriptionsFormat("raw", false)},
    `license: id1
name: name1
owner: owner1
components: compstring

license: id2
name: name2
owner: owner2
components: compstring

`,
},
{
    formatter.Context{Format: NewSubscriptionsFormat("raw", true)},
    `license: id1
license: id2
`,
},
// Custom Format
{
    formatter.Context{Format: NewSubscriptionsFormat("{{.Owner}}", false)},
    `owner1
owner2
`,
}

expiration, _ := time.Parse(time.RFC822, "01 Jan 20 10:00 UTC")

for _, testcase := range cases {
    subscriptions := []licenseutils.LicenseDisplay{
        {
            Num: 1,

```



```

Owner: "owner1",
Subscription: model.Subscription{
  ID:    "id1",
  Name:  "name1",
  ProductID: "productid1",
  Expires: &expiration,
  PricingComponents: model.PricingComponents{
    &model.SubscriptionPricingComponent{
      Name: "nodes",
      Value: 10,
    },
  },
  ComponentsString: "compstring",
},
{
  Num: 2,
  Owner: "owner2",
  Subscription: model.Subscription{
    ID:    "id2",
    Name:  "name2",
    ProductID: "productid2",
    Expires: &expiration,
    PricingComponents: model.PricingComponents{
      &model.SubscriptionPricingComponent{
        Name: "nodes",
        Value: 20,
      },
    },
    ComponentsString: "compstring",
  },
}
out := &bytes.Buffer{}
testcase.context.Output = out
err := SubscriptionsWrite(testcase.context, subscriptions)
if err != nil {
  assert.Error(t, err, testcase.expected)
} else {
  assert.Check(t, is.Equal(testcase.expected, out.String()))
}
}

func TestSubscriptionContextWriteJSON(t *testing.T) {
  expiration, _ := time.Parse(time.RFC822, "01 Jan 20 10:00 UTC")
  subscriptions := []licenseutils.LicenseDisplay{
    {

```

```

Num: 1,
Owner: "owner1",
Subscription: model.Subscription{
  ID:    "id1",
  Name:  "name1",
  ProductID: "productid1",
  Expires: &expiration,
  PricingComponents: model.PricingComponents{
    &model.SubscriptionPricingComponent{
      Name: "nodes",
      Value: 10,
    },
  },
  ComponentsString: "compstring",
}
{
  Num: 2,
  Owner: "owner2",
  Subscription: model.Subscription{
    ID:    "id2",
    Name:  "name2",
    ProductID: "productid2",
    Expires: &expiration,
    PricingComponents: model.PricingComponents{
      &model.SubscriptionPricingComponent{
        Name: "nodes",
        Value: 20,
      },
    },
    ComponentsString: "compstring",
  },
}

```

```

expectedJSONs := []map[string]interface{}{
{
  "Owner":      "owner1",
  "ComponentsString": "compstring",
  "Expires":    "2020-01-01T10:00:00Z",
  "DockerID":  "",
  "Eusa":      nil,
  "ID":        "id1",
  "Start":    nil,
  "Name":     "name1",
  "Num":      float64(1),
  "PricingComponents": []interface{}{
    map[string]interface{}{
      "name": "nodes",
    }
  }
}
}

```

```

    "value": float64(10),
  },
},
"ProductID":      "productid1",
"ProductRatePlan": "",
"ProductRatePlanID": "",
"State":         "",
"Summary":       "License Name: name1\tQuantity: 10 nodes\tExpiration date: 2020-01-01",
},
{
  "Owner":        "owner2",
  "ComponentsString": "compstring",
  "Expires":      "2020-01-01T10:00:00Z",
  "DockerID":    "",
  "Eusa":        nil,
  "ID":          "id2",
  "Start":       nil,
  "Name":        "name2",
  "Num":         float64(2),
  "PricingComponents": []interface{}{
    map[string]interface{}{
      "name": "nodes",
      "value": float64(20),
    },
  },
},
"ProductID":      "productid2",
"ProductRatePlan": "",
"ProductRatePlanID": "",
"State":         "",
"Summary":       "License Name: name2\tQuantity: 20 nodes\tExpiration date: 2020-01-01",
},
}

```

```

out := &bytes.Buffer{ }
err := SubscriptionsWrite(formatter.Context{Format: "{{json .}}", Output: out}, subscriptions)
if err != nil {
  t.Fatal(err)
}
for i, line := range strings.Split(strings.TrimSpace(out.String()), "\n") {
  var m map[string]interface{}
  if err := json.Unmarshal([]byte(line), &m); err != nil {
    t.Fatal(err)
  }
  assert.Check(t, is.DeepEqual(expectedJSONs[i], m))
}
}

```

```

func TestSubscriptionContextWriteJSONField(t *testing.T) {

```

```

subscriptions := []licenseutils.LicenseDisplay{
    {Num: 1, Owner: "owner1"},
    {Num: 2, Owner: "owner2"},
}
out := &bytes.Buffer{ }
err := SubscriptionsWrite(formatter.Context{Format: "{{json .Owner}}", Output: out}, subscriptions)
if err != nil {
    t.Fatal(err)
}
for i, line := range strings.Split(strings.TrimSpace(out.String()), "\n") {
    var s string
    if err := json.Unmarshal([]byte(line), &s); err != nil {
        t.Fatal(err)
    }
    assert.Check(t, is.Equal(subscriptions[i].Owner, s))
}
}

```

# 1.474 curl 7.66.0 r0

## 1.474.1 Available under license :

License Mixing

=====

libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

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Uses an [\[MIT style license\]](https://curl.haxx.se/docs/copyright.html) that is

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## zlib

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

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# 1.475 busybox 1.30.1 r3

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Julian Seward, Cambridge, UK.

jseward@bzip.org

bzip2/libbzip2 version 1.0.4 of 20 December 2006

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Julian Seward, Cambridge, UK.  
jseward@bzip.org  
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That's all there is to it!

```
/* _setjmp is implemented in setjmp.S */
```

```
/* setjmp is implemented in setjmp.S */
```

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```

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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
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bzip2/libbzip2 version 1.0.8 of 13 July 2019

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# 1.493 python 2.7.16 r1

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### History and License

\*\*\*\*\*

#### History of the software

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <https://www.cwi.nl/>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <https://www.cnri.reston.va.us/>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see <http://www.zope.com/>). In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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1.6	1.5.2	2000	CNRI	no

2.0	1.6	2000	BeOpen.com	no	
1.6.1	1.6	2001	CNRI	no	
2.1	2.0+1.6.1	2001	PSF	no	
2.0.1	2.0+1.6.1	2001	PSF	yes	
2.1.1	2.1+2.0.1	2001	PSF	yes	
2.1.2	2.1.1	2002	PSF	yes	
2.1.3	2.1.2	2002	PSF	yes	
2.2 and above	2.1.1	2001-now	PSF	yes	

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#### Mersenne Twister

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The `:mod:`_random`` module includes code based on a download from <http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html>. The following are the verbatim comments from the original code::

A C-program for MT19937, with initialization improved 2002/1/26.  
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using `init_genrand(seed)`

or `init_by_array(init_key, key_length)`.

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Sockets

-----

The `:mod:`socket`` module uses the functions, `:func:`getaddrinfo``, and  
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Asynchronous socket services  
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UUencode and UUdecode functions

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Modified by Jack Jansen, CWI, July 1995:

- Use `binascii` module to do the actual line-by-line conversion between `ascii` and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

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-----  
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test\_epoll  
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Select kqueue

-----

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SipHash24

-----

The file `:file:`Python/pyhash.c`` contains Marek Majkowski's implementation of Dan Bernstein's SipHash24 algorithm. It contains the following note::

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Original location:

<https://github.com/majek/csiphash/>

Solution inspired by code from:

Samuel Neves (supercop/crypto\_auth/siphash24/little)

djb (supercop/crypto\_auth/siphash24/little2)

Jean-Philippe Aumasson (<https://131002.net/siphash/siphash24.c>)

strtod and dtoa

-----

The file :file:`Python/dtoa.c`, which supplies C functions dtoa and strtod for conversion of C doubles to and from strings, is derived from the file of the same name by David M. Gay, currently available from <http://www.netlib.org/fp/>. The original file, as retrieved on March 16, 2009, contains the following copyright and licensing notice::

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zlib

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cfuhash

-----

The implementation of the hash table used by the `:mod:`tracemalloc`` is based on the cfuhash project::

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libmpdec

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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- \* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/OobChannel.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/util/RoundRobinLoadBalancer.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/CensusTracingModule.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/FailingClientStream.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/KeepAliveManager.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/ManagedChannelImpl.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/LogExceptionRunnable.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/ConnectionClientTransport.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/InUseStateAggregator.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/MetadataApplierImpl.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/AbstractSubchannel.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/StatsTraceContext.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/CallCredentialsApplyingTransportFactory.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/ObjectPool.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/SubchannelChannel.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/ForwardingClientTransport.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/FailingClientTransport.java

\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/SharedResourcePool.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/ManagedClientTransport.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/ConnectivityStateManager.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/PickSubchannelArgsImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/InternalHandlerRegistry.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/CensusStatsModule.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/inprocess/InProcessSocketAddress.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/ClientTransport.java

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\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/Stream.java

\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/ClientStreamListener.java

\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/ClientTransportFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/ServerTransportListener.java

\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/ServerStreamListener.java

\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-

jar/io/grpc/internal/ForwardingReadableBuffer.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/AbstractClientStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/SharedResourceHolder.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/ReadableBuffer.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/ServerImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/ReadableBuffers.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/ServerStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/Http2ClientStreamTransportState.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/SerializingExecutor.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/AbstractReadableBuffer.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/AbstractServerImplBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/util/MutableHandlerRegistry.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/MessageDeframer.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/ServerListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/StreamListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/MessageFramer.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/TransportFrameUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/CompositeReadableBuffer.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/AbstractServerStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/AbstractManagedChannelImplBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/ClientStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/ClientCallImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/GrpcUtil.java

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jar/io/grpc/internal/WritableBuffer.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/SerializeReentrantCallsDirectExecutor.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/InternalServer.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/inprocess/InProcessChannelBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/DelayedStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/DnsNameResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/inprocess/InProcessServerBuilder.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/ServerTransport.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/inprocess/InProcessServer.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/ExponentialBackoffPolicy.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/BackoffPolicy.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/ContextRunnable.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/inprocess/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-  
jar/io/grpc/internal/NoopClientStream.java

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* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/InternalSubchannel.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/DelayedClientTransport.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/inprocess/InProcessTransport.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/ServerCallImpl.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/WritableBufferAllocator.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/PickFirstLoadBalancer.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/Http2Ping.java
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```
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/ServiceConfigState.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/TransportProvider.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/util/ForwardingSubchannel.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/InsightBuilder.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/ManagedChannelServiceConfig.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/util/GracefulSwitchLoadBalancer.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/util/ForwardingClientStreamTracer.java
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```
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/ServiceConfigUtil.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/util/SecretRoundRobinLoadBalancerProvider.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/HedgingPolicy.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/AutoConfiguredLoadBalancerFactory.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/ServerCallInfoImpl.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/ChannelTracer.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/DeprecatedCensusConstants.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/util/ForwardingLoadBalancerHelper.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/ForwardingManagedChannel.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/ServiceConfigInterceptor.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
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jar/io/grpc/internal/ManagedChannelOrphanWrapper.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/ChannelLoggerImpl.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/ForwardingClientStream.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
```



jar/io/grpc/internal/ForwardingClientStreamListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/JsonParser.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/util/ForwardingLoadBalancer.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/Rescheduler.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/IndiResourceResolverFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/RetryPolicy.java

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Found in path(s):

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\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/GrpcAttributes.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/ProxyDetectorImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/TransportTracer.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/util/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/ReflectionLongAdderCounter.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/LongCounterFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/Deframer.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966749\_1591897960.23/0/grpc-core-1-24-1-sources-jar/io/grpc/internal/GzipInflatingBuffer.java

```

* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/LongCounter.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/FixedObjectPool.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/RetriableStream.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/Framer.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/util/TransmitStatusRuntimeExceptionInterceptor.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/CallTracer.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/ApplicationThreadDeframer.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/TimeProvider.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/AtomicLongCounter.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/AtomicBackoff.java
* /opt/ws_local/PERMITS_SQL/1013966749_1591897960.23/0/grpc-core-1-24-1-sources-
jar/io/grpc/internal/OverrideAuthorityNameResolverFactory.java

```

## 1.495 grpc-context 1.24.1

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```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1013966793_1591897931.2/0/grpc-context-1-24-1-sources-
jar/io/grpc/PersistentHashMapMappedTrie.java

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```
* /opt/ws_local/PERMITS_SQL/1013966793_1591897931.2/0/grpc-context-1-24-1-sources-
jar/io/grpc/ThreadLocalStorage.java
* /opt/ws_local/PERMITS_SQL/1013966793_1591897931.2/0/grpc-context-1-24-1-sources-
jar/io/grpc/Deadline.java
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```
* /opt/ws_local/PERMITS_SQL/1013966793_1591897931.2/0/grpc-context-1-24-1-sources-
jar/io/grpc/Context.java
```

# 1.496 cpio 2.12+dfsg-6ubuntu0.18.04.1

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Version 3, 29 June 2007

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procfs provides functions to retrieve system, kernel and process metrics from the pseudo-filesystem proc.

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Protocol Buffers for Go with Gadgets

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Go support for Protocol Buffers - Google's data interchange format

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Go support for Protocol Buffers - Google's data interchange format

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```
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jar/io/grpc/protobuf/package-info.java  
* /opt/ws_local/PERMITS_SQL/1013966843_1591897896.88/0/grpc-protobuf-1-24-1-sources-  
jar/io/grpc/protobuf/ProtoMethodDescriptorSupplier.java  
* /opt/ws_local/PERMITS_SQL/1013966843_1591897896.88/0/grpc-protobuf-1-24-1-sources-  
jar/io/grpc/protobuf/ProtoServiceDescriptorSupplier.java
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jar/io/grpc/netty/SendPingCommand.java
* /opt/ws_local/PERMITS_SQL/1013966575_1591898015.88/0/grpc-netty-1-24-1-sources-
jar/io/grpc/netty/GrpcSslContexts.java
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jar/io/grpc/netty/NettyChannelProvider.java
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jar/io/grpc/netty/NettyWritableBuffer.java
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jar/io/grpc/netty/ProtocolNegotiators.java
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\* /opt/ws\_local/PERMITS\_SQL/1013966575\_1591898015.88/0/grpc-netty-1-24-1-sources-jar/io/grpc/netty/KeepAliveEnforcer.java

\* /opt/ws\_local/PERMITS\_SQL/1013966575\_1591898015.88/0/grpc-netty-1-24-1-sources-jar/io/grpc/netty/MaxConnectionIdleManager.java

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Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1013966575\_1591898015.88/0/grpc-netty-1-24-1-sources-jar/io/grpc/netty/CancelClientStreamCommand.java

\* /opt/ws\_local/PERMITS\_SQL/1013966575\_1591898015.88/0/grpc-netty-1-24-1-sources-jar/io/grpc/netty/NettyServerTransport.java

\* /opt/ws\_local/PERMITS\_SQL/1013966575\_1591898015.88/0/grpc-netty-1-24-1-sources-jar/io/grpc/netty/NettyChannelBuilder.java

\* /opt/ws\_local/PERMITS\_SQL/1013966575\_1591898015.88/0/grpc-netty-1-24-1-sources-jar/io/grpc/netty/CreateStreamCommand.java

\* /opt/ws\_local/PERMITS\_SQL/1013966575\_1591898015.88/0/grpc-netty-1-24-1-sources-jar/io/grpc/netty/NettyServerBuilder.java

\* /opt/ws\_local/PERMITS\_SQL/1013966575\_1591898015.88/0/grpc-netty-1-24-1-sources-jar/io/grpc/netty/NettyServerStream.java

\* /opt/ws\_local/PERMITS\_SQL/1013966575\_1591898015.88/0/grpc-netty-1-24-1-sources-jar/io/grpc/netty/NettyClientTransport.java

\* /opt/ws\_local/PERMITS\_SQL/1013966575\_1591898015.88/0/grpc-netty-1-24-1-sources-jar/io/grpc/netty/NettyReadableBuffer.java

\* /opt/ws\_local/PERMITS\_SQL/1013966575\_1591898015.88/0/grpc-netty-1-24-1-sources-jar/io/grpc/netty/NettyServerHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1013966575\_1591898015.88/0/grpc-netty-1-24-1-sources-jar/io/grpc/netty/SendGrpcFrameCommand.java

\* /opt/ws\_local/PERMITS\_SQL/1013966575\_1591898015.88/0/grpc-netty-1-24-1-sources-

jar/io/grpc/netty/SendResponseHeadersCommand.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966575\_1591898015.88/0/grpc-netty-1-24-1-sources-  
jar/io/grpc/netty/NettyServer.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966575\_1591898015.88/0/grpc-netty-1-24-1-sources-  
jar/io/grpc/netty/Utils.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966575\_1591898015.88/0/grpc-netty-1-24-1-sources-  
jar/io/grpc/netty/NegotiationType.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966575\_1591898015.88/0/grpc-netty-1-24-1-sources-  
jar/io/grpc/netty/NettyClientHandler.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013966575\_1591898015.88/0/grpc-netty-1-24-1-sources-  
jar/io/grpc/netty/GrpcHttp2HeadersUtils.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013966575\_1591898015.88/0/grpc-netty-1-24-1-sources-  
jar/io/grpc/netty/ProtocolNegotiationEvent.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966575\_1591898015.88/0/grpc-netty-1-24-1-sources-  
jar/io/grpc/netty/InternalWriteBufferingAndExceptionHandlerUtils.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966575\_1591898015.88/0/grpc-netty-1-24-1-sources-  
jar/io/grpc/netty/InternalProtocolNegotiators.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966575\_1591898015.88/0/grpc-netty-1-24-1-sources-  
jar/io/grpc/netty/InternalProtocolNegotiationEvent.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966575\_1591898015.88/0/grpc-netty-1-24-1-sources-  
jar/io/grpc/netty/InternalProtocolNegotiator.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966575\_1591898015.88/0/grpc-netty-1-24-1-sources-  
jar/io/grpc/netty/WriteBufferingAndExceptionHandler.java

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```
jar/io/grpc/netty/GrpcHttp2ConnectionHandler.java
* /opt/ws_local/PERMITS_SQL/1013966575_1591898015.88/0/grpc-netty-1-24-1-sources-
jar/io/grpc/netty/NettyHandlerSettings.java
* /opt/ws_local/PERMITS_SQL/1013966575_1591898015.88/0/grpc-netty-1-24-1-sources-
jar/io/grpc/netty/InternalNettyChannelBuilder.java
* /opt/ws_local/PERMITS_SQL/1013966575_1591898015.88/0/grpc-netty-1-24-1-sources-
jar/io/grpc/netty/InternalHandlerSettings.java
* /opt/ws_local/PERMITS_SQL/1013966575_1591898015.88/0/grpc-netty-1-24-1-sources-
jar/io/grpc/netty/GrpcHttp2OutboundHeaders.java
* /opt/ws_local/PERMITS_SQL/1013966575_1591898015.88/0/grpc-netty-1-24-1-sources-
jar/io/grpc/netty/ForcefulCloseCommand.java
* /opt/ws_local/PERMITS_SQL/1013966575_1591898015.88/0/grpc-netty-1-24-1-sources-
jar/io/grpc/netty/GracefulCloseCommand.java
* /opt/ws_local/PERMITS_SQL/1013966575_1591898015.88/0/grpc-netty-1-24-1-sources-
jar/io/grpc/netty/AbstractHttp2Headers.java
* /opt/ws_local/PERMITS_SQL/1013966575_1591898015.88/0/grpc-netty-1-24-1-sources-
jar/io/grpc/netty/ClientTransportLifecycleManager.java
* /opt/ws_local/PERMITS_SQL/1013966575_1591898015.88/0/grpc-netty-1-24-1-sources-
jar/io/grpc/netty/StreamIdHolder.java
* /opt/ws_local/PERMITS_SQL/1013966575_1591898015.88/0/grpc-netty-1-24-1-sources-
jar/io/grpc/netty/InternalNettyServerBuilder.java
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* /opt/ws_local/PERMITS_SQL/1013966575_1591898015.88/0/grpc-netty-1-24-1-sources-
jar/io/grpc/netty/Http2ControlFrameLimitEncoder.java
```

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```
* /opt/ws_local/PERMITS_SQL/1013966669_1591897399.64/0/grpc-api-1-24-1-sources-
```



jar/io/grpc/BinaryLog.java

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\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/InternalClientInterceptors.java

\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/PartialForwardingClientCallListener.java

\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/InternalManagedChannelProvider.java

\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/SynchronizationContext.java

\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/PartialForwardingClientCall.java

\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/LoadBalancerRegistry.java

\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/LoadBalancerProvider.java

\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/InternalChannelz.java

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- \* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/NameResolver.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/EquivalentAddressGroup.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/ManagedChannelProvider.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/StatusRuntimeException.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/PartialForwardingServerCall.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/ExperimentalApi.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/ForwardingServerCall.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/StatusException.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/PartialForwardingServerCallListener.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/Compressor.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/ManagedChannel.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/Contexts.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/CallOptions.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/Codec.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/ForwardingClientCall.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/DecompressorRegistry.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/Attributes.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/ForwardingServerCallListener.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/Internal.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/package-info.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/ServerProvider.java
- \* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-

jar/io/grpc/CompressorRegistry.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/ServerBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/ManagedChannelBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/ForwardingClientCallListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/Decompressor.java  
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\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/InternalInstrumented.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/ForwardingChannelBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/InternalStatus.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/StreamTracer.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/InternalWithLogId.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/InternalServiceProviders.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/ProxyDetector.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/ClientStreamTracer.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/ServiceProviders.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/ServerStreamTracer.java

\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/InternalServerInterceptors.java  
\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/InternalLogId.java

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\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/NameResolverProvider.java

\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/ServerTransportFilter.java

\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/ConnectivityStateInfo.java

\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/CallCredentials.java

\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/BindableService.java

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\* /opt/ws\_local/PERMITS\_SQL/1013966669\_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/Grpc.java

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* /opt/ws_local/PERMITS_SQL/1013966669_1591897399.64/0/grpc-api-1-24-1-sources-
jar/io/grpc/CallCredentials2.java
* /opt/ws_local/PERMITS_SQL/1013966669_1591897399.64/0/grpc-api-1-24-1-sources-
jar/io/grpc/ConnectivityState.java
* /opt/ws_local/PERMITS_SQL/1013966669_1591897399.64/0/grpc-api-1-24-1-sources-
jar/io/grpc/InternalNotifyOnServerBuild.java
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* /opt/ws_local/PERMITS_SQL/1013966669_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/Channel.java
* /opt/ws_local/PERMITS_SQL/1013966669_1591897399.64/0/grpc-api-1-24-1-sources-
jar/io/grpc/KnownLength.java
* /opt/ws_local/PERMITS_SQL/1013966669_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/ServerCall.java
* /opt/ws_local/PERMITS_SQL/1013966669_1591897399.64/0/grpc-api-1-24-1-sources-
jar/io/grpc/ClientInterceptors.java
* /opt/ws_local/PERMITS_SQL/1013966669_1591897399.64/0/grpc-api-1-24-1-sources-
jar/io/grpc/ServerInterceptor.java
* /opt/ws_local/PERMITS_SQL/1013966669_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/Drainable.java
* /opt/ws_local/PERMITS_SQL/1013966669_1591897399.64/0/grpc-api-1-24-1-sources-
jar/io/grpc/ServerMethodDefinition.java
* /opt/ws_local/PERMITS_SQL/1013966669_1591897399.64/0/grpc-api-1-24-1-sources-
jar/io/grpc/ServerServiceDefinition.java
* /opt/ws_local/PERMITS_SQL/1013966669_1591897399.64/0/grpc-api-1-24-1-sources-
jar/io/grpc/ServerInterceptors.java
* /opt/ws_local/PERMITS_SQL/1013966669_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/ClientCall.java
* /opt/ws_local/PERMITS_SQL/1013966669_1591897399.64/0/grpc-api-1-24-1-sources-
jar/io/grpc/HandlerRegistry.java
* /opt/ws_local/PERMITS_SQL/1013966669_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/Metadata.java
* /opt/ws_local/PERMITS_SQL/1013966669_1591897399.64/0/grpc-api-1-24-1-sources-jar/io/grpc/Status.java
* /opt/ws_local/PERMITS_SQL/1013966669_1591897399.64/0/grpc-api-1-24-1-sources-
jar/io/grpc/ServerCallHandler.java
```

```
* /opt/ws_local/PERMITS_SQL/1013966669_1591897399.64/0/grpc-api-1-24-1-sources-
jar/io/grpc/ClientInterceptor.java
* /opt/ws_local/PERMITS_SQL/1013966669_1591897399.64/0/grpc-api-1-24-1-sources-
jar/io/grpc/MethodDescriptor.java
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```
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jar/io/grpc/ProxiedSocketAddress.java
* /opt/ws_local/PERMITS_SQL/1013966669_1591897399.64/0/grpc-api-1-24-1-sources-
jar/io/grpc/HttpConnectProxiedSocketAddress.java
* /opt/ws_local/PERMITS_SQL/1013966669_1591897399.64/0/grpc-api-1-24-1-sources-
jar/io/grpc/NameResolverRegistry.java
* /opt/ws_local/PERMITS_SQL/1013966669_1591897399.64/0/grpc-api-1-24-1-sources-
jar/io/grpc/InternalCallOptions.java
```

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\* /opt/ws\_local/PERMITS\_SQL/1013966854\_1591363948.01/0/grpc-protobuf-lite-1-24-1-sources-jar/io/grpc/protobuf/lite/package-info.java

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\* /opt/ws\_local/PERMITS\_SQL/1013966854\_1591363948.01/0/grpc-protobuf-lite-1-24-1-sources-jar/io/grpc/protobuf/lite/ProtoLiteUtils.java

\* /opt/ws\_local/PERMITS\_SQL/1013966854\_1591363948.01/0/grpc-protobuf-lite-1-24-1-sources-jar/io/grpc/protobuf/lite/ProtoInputStream.java

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```
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```

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```
Gnomovision version 69, Copyright (C) year name of author  
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.  
This is free software, and you are welcome to redistribute it  
under certain conditions; type `show c' for details.
```

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```
Yoyodyne, Inc., hereby disclaims all copyright interest in the program  
'Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice
```

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## 1.510 giflib 4.1.6 9.e17

### 1.510.1 Available under license :

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# 1.511 libxmu 1.1.2-2

## 1.511.1 Available under license :

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

```
--- libxmu-1.1.2.orig/autogen.sh
+++ libxmu-1.1.2/autogen.sh
@@ -0,0 +1,14 @@
+#!/bin/sh
+
+srcdir=`dirname $0`
+test -z "$srcdir" && srcdir=.
+
+ORIGDIR=`pwd`
+cd $srcdir
+
+autoreconf -v --install || exit 1
+cd $ORIGDIR || exit $?
+
+if test -z "$NOCONFIGURE"; then
+  $srcdir/configure "$@"
+fi
--- libxmu-1.1.2.orig/debian/changelog
+++ libxmu-1.1.2/debian/changelog
@@ -0,0 +1,219 @@
+libxmu (2:1.1.2-2) unstable; urgency=medium
+
+ [ Andreas Boll ]
+ * Switch to dh with the autoreconf and quilt addons, fixing possible FTBFS
+ when building in parallel (closes: #801059). Thanks, Matthias Klose!
+
+ [ Julien Cristau ]
+ * Remove Cyril from Uploaders.
+ * Bump Standards-Version to 3.9.6, update Vcs-* control fields.
+
+ -- Julien Cristau <jcristau@debian.org> Sat, 14 Nov 2015 10:04:44 +0100
+
+libxmu (2:1.1.2-1) unstable; urgency=low
+
+ * New upstream release.
+ * Add ${misc:Depends} to libxmu-headers.
+ * Use /usr/share/quilt/quilt.make instead of xsfbs for patching.
+ * Add build-{arch,indep} debian/rules targets.
+ * Bump debhelper compat level from 5 to 7.
+
+ -- Julien Cristau <jcristau@debian.org> Mon, 05 May 2014 14:13:01 +0200
+
```



+libxmu (2:1.1.1-1) unstable; urgency=low

+

- + \* New upstream release.
- + \* Don't require (fake)root for debian/rules clean.
- + \* Bump build-deps on xutils-dev, xmlto and xorg-sgml-doctools per configure.ac.
- + \* Xmu.html no longer hardcodes the full path to xlogo.svg, drop sed call from debian/rules.
- + \* Remove David Nusinow from Uploaders.
- + \* Bump debhelper build-dep for \${misc:Pre-Depends} usage.

+

+ -- Julien Cristau <jcristau@debian.org> Sat, 21 Apr 2012 10:50:11 +0200

+

+libxmu (2:1.1.0-3) unstable; urgency=low

+

- + \* Build for multiarch.

+

+ -- Steve Langasek <vorlon@debian.org> Fri, 21 Oct 2011 14:47:59 -0700

+

+libxmu (2:1.1.0-2) unstable; urgency=low

+

+ [ Christopher James Halse Rogers ]

- + \* debian/patches/01\_dont\_export\_private\_deps.patch:
- + - The Xmu.h header uses libXt symbols in a #define, so libXt is not a private dep. With binutils-gold, the indirect dependency on Xt is not considered when linking with Xmu so this causes build failures.

+

+ [ Julien Cristau ]

- + \* Drop Pre-Depends on x11-common, only needed for upgrades from the monolith.

+

+ -- Julien Cristau <jcristau@debian.org> Thu, 28 Apr 2011 14:10:11 +0200

+

+libxmu (2:1.1.0-1) unstable; urgency=low

+

- + \* New upstream release.
- + \* Bump xutils-dev build-dep for new macros.
- + \* Add xmlto, xorg-sgml-doctools, and w3m build-dep for the doc.
- + \* Pass --with-xmlto and --without-fop (we want html and txt only).
- + \* Pass --docdir=/usr/share/doc/libxmu-headers and add this directory to libxmu-headers.install file.
- + \* Remove the hardcoded path to the X logo in the Xmu.html file.
- + \* Kill \*.xml in the doc directory, no point in shipping them.
- + \* Switch from --list-missing to --fail-missing for additional safety.

+

+ -- Cyril Brulebois <kibi@debian.org> Fri, 19 Nov 2010 08:42:29 +0100

+

+libxmu (2:1.0.5-2) unstable; urgency=high

+  
+ [ Julien Cristau ]  
+ \* Rename the build directory to not include DEB\_BUILD\_GNU\_TYPE for no  
+ good reason. Thanks, Colin Watson!  
+ \* Remove myself from Uploaders  
+ \* Don't pass both -s and -Nfoo/-pfoo to dh\_strip. This resulted in an empty  
+ libxmu1-dbg (Closes: #594500). Thanks to Luca Falavigna for the report.  
+  
+ [ Cyril Brulebois ]  
+ \* Add myself to Uploaders.  
+ \* Bump urgency to high for the RC bugfix. Thanks to Jakub Wilk as well  
+ for the report.  
+  
+ -- Cyril Brulebois <kibi@debian.org> Sat, 04 Sep 2010 14:32:30 +0200  
+  
+libxmu (2:1.0.5-1) unstable; urgency=low  
+  
+ [ Timo Aaltonen ]  
+ \* New upstream release.  
+ + Fix 64bit support (closes: #521887)  
+  
+ [ Julien Cristau ]  
+ \* Bump Standards-Version to 3.8.3.  
+  
+ -- Julien Cristau <jcristau@debian.org> Wed, 25 Nov 2009 19:20:17 +0100  
+  
+libxmu (2:1.0.4-2) unstable; urgency=low  
+  
+ [ Julien Cristau ]  
+ \* Drop -1 debian revisions from build-deps.  
+ \* libxmu6{,-dbg}, libxmu-dev, libxmu1{,-dbg} and libxmu-dev don't need a  
+ dependency on x11-common.  
+ \* Build libxmu-headers in binary-indep instead of binary-arch  
+ (closes: #486418). Thanks, Martin Koeppe!  
+ \* Run autoreconf on build; build-depend on automake, libtool, xutils-dev.  
+ \* Handle parallel builds.  
+  
+ [ Brice Goglin ]  
+ \* Add a link to www.X.org and a reference to the upstream module  
+ in the long description.  
+ \* Add upstream URL to debian/copyright.  
+ \* Add README.source, bump Standards-Version to 3.8.2.  
+ \* Use updated xsfbs, closes: #538587.  
+ \* Move -dbg packages to section debug.  
+  
+ -- Julien Cristau <jcristau@debian.org> Fri, 07 Aug 2009 14:30:36 +0200  
+  
+libxmu (2:1.0.4-1) unstable; urgency=low

+  
 + [ Julien Cristau ]  
 + \* New upstream release.  
 + \* Make libxmu\*-dev depend on libxmu-headers (= \${source:Version}). Thanks,  
 + Josh Triplett.  
 + \* Don't export private dependencies in xmu.pc and xmuu.pc. These  
 + dependencies are handled by Requires.private.  
 + \* Due to the above, build-depend on quilt and apply the xsfbs patch rules.  
 + \* Update xsfbs to the latest version as of 2008-01-06.  
 + \* Add myself to Uploaders, and remove Branden and Fabio with their  
 + permission.  
 + \* Bump Standards-Version to 3.7.3 (no changes).  
 + \* s/^XS-Vcs/Vcs/  
 +  
 + [ Timo Aaltonen ]  
 + \* Bump the epoch so that this can be synced to Ubuntu in the future.  
 +  
 + -- Julien Cristau <jcristau@debian.org> Thu, 17 Jan 2008 14:57:47 +0100  
 +  
 +libxmu (1:1.0.3-1) unstable; urgency=low  
 +  
 + \* New upstream release.  
 + \* Install the upstream changelog.  
 + \* Remove outdated CVS information from the package descriptions, and add  
 + XS-Vcs-Git and XS-Vcs-Browser.  
 + \* Fix package sections (libraries in libs, development stuff in libdevel).  
 + \* Use \${binary:Version} instead of \${Source-Version}.  
 +  
 + -- Julien Cristau <jcristau@debian.org> Thu, 12 Apr 2007 13:40:07 +0200  
 +  
 +libxmu (1:1.0.2-2) unstable; urgency=low  
 +  
 + [ Andres Salomon ]  
 + \* Test for obj-\$(DEB\_BUILD\_GNU\_TYPE) before creating it during build;  
 + idempotency fix.  
 +  
 + [ Drew Parsons ]  
 + \* dbg package has priority extra.  
 +  
 + -- David Nusinow <dnusinow@debian.org> Wed, 30 Aug 2006 16:53:25 -0400  
 +  
 +libxmu (1:1.0.2-1) experimental; urgency=low  
 +  
 + \* New upstream release  
 + \* Bump debhelper compat to 5  
 + \* Run dh\_install with --list-missing  
 + \* Version the -headers package's x11-common pre-dep to use version 1:7.0.0  
 + to match the rest of Debian and shut lintian up

+ \* Bump standards version to 3.7.2.0  
+  
+ -- David Nusinow <dnusinow@debian.org> Mon, 3 Jul 2006 18:43:32 -0400  
+  
+libxmu (1:1.0.1-3) unstable; urgency=low  
+  
+ \* Reorder makeshlib command in rules file so that ldconfig is run  
+ properly. Thanks Drew Parsons and Steve Langasek.  
+  
+ -- David Nusinow <dnusinow@debian.org> Tue, 18 Apr 2006 21:49:59 -0400  
+  
+libxmu (1:1.0.1-2) unstable; urgency=low  
+  
+ \* Upload to unstable  
+  
+ -- David Nusinow <dnusinow@debian.org> Thu, 23 Mar 2006 22:44:59 -0500  
+  
+libxmu (1:1.0.1-1) experimental; urgency=low  
+  
+ \* First upload to Debian  
+  
+ -- David Nusinow <dnusinow@debian.org> Thu, 29 Dec 2005 20:53:53 -0500  
+  
+libxmu (1:6.2.3-5) breezy; urgency=low  
+  
+ \* Also, libxmu-dev needs to depend on libxt-dev too.  
+  
+ -- Adam Conrad <adconrad@ubuntu.com> Mon, 25 Jul 2005 09:43:47 +0000  
+  
+libxmu (1:6.2.3-4) breezy; urgency=low  
+  
+ \* Bump libxt-dev build-dep once more, \_XOPEN\_SOURCE begone!  
+  
+ -- Adam Conrad <adconrad@ubuntu.com> Sun, 24 Jul 2005 10:48:14 +0000  
+  
+libxmu (1:6.2.3-3) breezy; urgency=low  
+  
+ \* Make libxmu-dev depend on libxext-dev, since libxmu links to it.  
+  
+ -- Adam Conrad <adconrad@ubuntu.com> Sun, 24 Jul 2005 07:56:02 +0000  
+  
+libxmu (1:6.2.3-2) breezy; urgency=low  
+  
+ \* Bump Build-Depends on libx11-dev, libxext-dev and libxt-dev to avoid  
+ \_XOPEN\_SOURCE.  
+  
+ -- Daniel Stone <daniel.stone@ubuntu.com> Sat, 23 Jul 2005 00:20:50 +1000  
+

```

+libxmu (1:6.2.3-1) breezy; urgency=low
+
+ * First libxmu release.
+
+ -- Daniel Stone <daniel.stone@ubuntu.com> Mon, 16 May 2005 22:10:17 +1000
--- libxmu-1.1.2.orig/debian/compat
+++ libxmu-1.1.2/debian/compat
@@ -0,0 +1 @@
+9
--- libxmu-1.1.2.orig/debian/control
+++ libxmu-1.1.2/debian/control
@@ -0,0 +1,155 @@
+Source: libxmu
+Section: x11
+Priority: optional
+Maintainer: Debian X Strike Force <debian-x@lists.debian.org>
+Build-Depends:
+ debhelper (>= 9),
+ dh-autoreconf,
+ libx11-dev (>= 1:0.99.2),
+ libxt-dev (>= 1:0.99.1),
+ libxext-dev (>= 1:0.99.1),
+ pkg-config,
+ quilt,
+ automake,
+ libtool,
+ xutils-dev (>= 1:7.6+2),
+# devel-docs:
+ xmlto (>= 0.0.22),
+ xorg-sgml-doctools (>= 1:1.8),
+ w3m,
+Standards-Version: 3.9.6
+Vcs-Git: git://anonscm.debian.org/git/pkg-xorg/lib/libxmu
+Vcs-Browser: https://anonscm.debian.org/cgit/pkg-xorg/lib/libxmu.git
+
+Package: libxmu6
+Section: libs
+Architecture: any
+Multi-Arch: same
+Pre-Depends: ${misc:Pre-Depends}
+Depends: ${shlibs:Depends}, ${misc:Depends}
+Description: X11 miscellaneous utility library
+ libXmu provides a set of miscellaneous utility convenience functions for X
+ libraries to use. libXmuu is a lighter-weight version that does not depend
+ on libXt or libXext; for more information, see libxmuu1.
+ .
+ More information about X.Org can be found at:
+ <URL:http://www.X.org>

```

+ .  
+ This module can be found at  
+ [git://anongit.freedesktop.org/git/xorg/lib/libXmu](https://anongit.freedesktop.org/git/xorg/lib/libXmu)  
+  
+Package: libxmu6-dbg  
+Section: debug  
+Architecture: any  
+Multi-Arch: same  
+Priority: extra  
+Depends:  $\{\text{shlibs:Depends}\}$ ,  $\{\text{misc:Depends}\}$ , libxmu6 (=  $\{\text{binary:Version}\}$ )  
+Description: X11 miscellaneous utility library (debug package)  
+ libXmu provides a set of miscellaneous utility convenience functions for X  
+ libraries to use. libXmuu is a lighter-weight version that does not depend  
+ on libXt or libXext; for more information, see libxmuu1.  
+ .  
+ This package contains the debug versions of the library found in libxmu6.  
+ Non-developers likely have little use for this package.  
+ .  
+ More information about X.Org can be found at:  
+ [<URL:http://www.X.org>](http://www.X.org)  
+ .  
+ This module can be found at  
+ [git://anongit.freedesktop.org/git/xorg/lib/libXmu](https://anongit.freedesktop.org/git/xorg/lib/libXmu)  
+  
+Package: libxmu-dev  
+Section: libdevel  
+Architecture: any  
+Multi-Arch: same  
+Depends:  $\{\text{shlibs:Depends}\}$ ,  $\{\text{misc:Depends}\}$ , libxext-dev, libxt-dev, libxmu6 (=  $\{\text{binary:Version}\}$ ), libxmu-headers (=  $\{\text{source:Version}\}$ )  
+Description: X11 miscellaneous utility library (development headers)  
+ libXmu provides a set of miscellaneous utility convenience functions for X  
+ libraries to use. libXmuu is a lighter-weight version that does not depend  
+ on libXt or libXext; for more information, see libxmuu1.  
+ .  
+ This package contains the development headers for the library found in  
+ libxmu6. Non-developers likely have little use for this package.  
+ .  
+ More information about X.Org can be found at:  
+ [<URL:http://www.X.org>](http://www.X.org)  
+ .  
+ This module can be found at  
+ [git://anongit.freedesktop.org/git/xorg/lib/libXmu](https://anongit.freedesktop.org/git/xorg/lib/libXmu)  
+  
+Package: libxmuu1  
+Section: libs  
+Architecture: any  
+Multi-Arch: same

+Pre-Depends: \${misc:Pre-Depends}  
+Depends: \${shlibs:Depends}, \${misc:Depends}  
+Description: X11 miscellaneous micro-utility library  
+ libXmuu provides a set of miscellaneous utility convenience functions for X  
+ libraries to use. It is a lighter version of libXmu that does not depend  
+ on libXt or libXext; for more information on libXmu, see libxmu6.  
+ .  
+ More information about X.Org can be found at:  
+ <URL:http://www.X.org>  
+ .  
+ This module can be found at  
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu  
+  
+Package: libxmuu1-dbg  
+Section: debug  
+Architecture: any  
+Multi-Arch: same  
+Priority: extra  
+Depends: \${shlibs:Depends}, \${misc:Depends}, libxmuu1 (= \${binary:Version})  
+Description: X11 miscellaneous micro-utility library (debug package)  
+ libXmuu provides a set of miscellaneous utility convenience functions for X  
+ libraries to use. It is a lighter version of libXmu that does not depend  
+ on libXt or libXext; for more information on libXmu, see libxmu6.  
+ .  
+ This package contains the debug versions of the library found in libxmuu1.  
+ Non-developers likely have little use for this package.  
+ .  
+ More information about X.Org can be found at:  
+ <URL:http://www.X.org>  
+ .  
+ This module can be found at  
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu  
+  
+Package: libxmuu-dev  
+Section: libdevel  
+Architecture: any  
+Multi-Arch: same  
+Depends: \${shlibs:Depends}, \${misc:Depends}, libxmuu1 (= \${binary:Version}), libxmu-headers (= \${source:Version})  
+Description: X11 miscellaneous micro-utility library (development headers)  
+ libXmuu provides a set of miscellaneous utility convenience functions for X  
+ libraries to use. It is a lighter version of libXmu that does not depend  
+ on libXt or libXext; for more information on libXmu, see libxmu6.  
+ .  
+ This package contains the development headers for the library found in  
+ libxmuu1. Non-developers likely have little use for this package.  
+ .  
+ More information about X.Org can be found at:

+ <URL:http://www.X.org>  
+ .  
+ This module can be found at  
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu  
+  
+Package: libxmu-headers  
+Section: libdevel  
+Architecture: all  
+Multi-Arch: foreign  
+Depends:  
+ libx11-dev,  
+ x11proto-core-dev,  
+ \${misc:Depends},  
+Description: X11 miscellaneous utility library headers  
+ libXmu and libXmuu are miscellaneous utility libraries for X library  
+ developers to abstract some common functions. This package provides the  
+ headers for both libraries (as libXmuu is a subset of libXmu), and  
+ is depended upon by both. For more information, please see libxmu-dev or  
+ libxmuu-dev.  
+ .  
+ More information about X.Org can be found at:  
+ <URL:http://www.X.org>  
+ .  
+ This module can be found at  
+ git://anongit.freedesktop.org/git/xorg/lib/libXmu  
--- libxmu-1.1.2.orig/debian/copyright  
+++ libxmu-1.1.2/debian/copyright  
@@ -0,0 +1,77 @@  
+This package was downloaded from  
+http://xorg.freedesktop.org/releases/individual/lib/  
+  
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+  
+-----

+  
+Xmu/StrToBmap.c and Xmu/GrayPixmap.c also have:

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+  
+-----

+  
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+XFree86 Project.

--- libxmu-1.1.2.orig/debian/libxmu-dev.install

+++ libxmu-1.1.2/debian/libxmu-dev.install

@@ -0,0 +1,3 @@

+usr/lib\*/libXmu.a

+usr/lib\*/libXmu.so

+usr/lib\*/pkgconfig/xmu.pc

--- libxmu-1.1.2.orig/debian/libxmu-headers.install

+++ libxmu-1.1.2/debian/libxmu-headers.install

@@ -0,0 +1,2 @@

+usr/include/X11/\*

+usr/share/doc/libxmu-headers

--- libxmu-1.1.2.orig/debian/libxmu6.install

+++ libxmu-1.1.2/debian/libxmu6.install

@@ -0,0 +1 @@

+usr/lib\*/libXmu.so.6\*

--- libxmu-1.1.2.orig/debian/libxmu-dev.install

+++ libxmu-1.1.2/debian/libxmu-dev.install

@@ -0,0 +1,3 @@

+usr/lib\*/libXmu.a

+usr/lib\*/libXmu.so

+usr/lib\*/pkgconfig/xmu.pc

--- libxmu-1.1.2.orig/debian/libxmu1.install

+++ libxmu-1.1.2/debian/libxmu1.install

@@ -0,0 +1 @@

+usr/lib\*/libXmu.so.1\*

--- libxmu-1.1.2.orig/debian/patches/01\_dont\_export\_private\_deps.diff

+++ libxmu-1.1.2/debian/patches/01\_dont\_export\_private\_deps.diff

@@ -0,0 +1,26 @@

+diff --git a/xmu.pc.in b/xmu.pc.in

+index a086f83..15dabf 100644

+--- a/xmu.pc.in

++++ b/xmu.pc.in

@@@ -6,7 +6,7 @@@ includedir=@includedir@

+ Name: Xmu

+ Description: Xmu Library

+ Version: @PACKAGE\_VERSION@

+Requires: xproto x11 xt

++Requires: xproto xt

+ Requires.private: x11 xt xext

```

+ Cflags: -I${includedir}
+ Libs: -L${libdir} -lXmu
+diff --git a/xmuu.pc.in b/xmuu.pc.in
+index 1e91ac4..72fa5f9 100644
+--- a/xmuu.pc.in
++++ b/xmuu.pc.in
+@@ -6,7 +6,7 @@ includedir=@includedir@
+ Name: Xmuu
+ Description: Mini Xmu Library
+ Version: @PACKAGE_VERSION@
+-Requires: xproto x11
++Requires: xproto
+ Requires.private: x11
+ Cflags: -I${includedir}
+ Libs: -L${libdir} -lXmuu
--- libxmu-1.1.2.orig/debian/patches/series
+++ libxmu-1.1.2/debian/patches/series
@@ -0,0 +1 @@
+01_dont_export_private_deps.diff
--- libxmu-1.1.2.orig/debian/rules
+++ libxmu-1.1.2/debian/rules
@@ -0,0 +1,34 @@
+#!/usr/bin/make -f
+# debian/rules for the Debian libxmu package.
+# Copyright 2004 Scott James Remnant <scott@netsplit.com>
+# Copyright 2005 Daniel Stone <daniel@fooishbar.org>
+# Copyright 2005 David Nusinow <dnusinow@debian.org>
+
+# Uncomment this to turn on verbose mode.
+#export DH_VERBOSE=1
+
+.PHONY: build
+build:
+ dh build --with quilt,autoreconf --builddirectory=build/ --parallel
+
+%:
+ dh $@ --with quilt,autoreconf --builddirectory=build/ --parallel
+
+override_dh_auto_configure:
+ dh_auto_configure -- \
+ --disable-silent-rules \
+ --docdir=${prefix}/share/doc/libxmu-headers \
+ --with-xmlto \
+ --without-fop
+
+override_dh_auto_install:
+ dh_auto_install
+ find debian/tmp/usr/share/doc/libxmu-headers -name '*.xml' -delete

```

```
+
+override_dh_install-arch:
+ dh_install --fail-missing -Xusr/include -X.la
+
+override_dh_strip:
+ dh_strip -Nlibxmu6 -Nlibxmu1
+ dh_strip -plibxmu6 --dbg-package=libxmu6-dbg
+ dh_strip -plibxmu1 --dbg-package=libxmu1-dbg
--- libxmu-1.1.2.orig/debian/watch
+++ libxmu-1.1.2/debian/watch
@@ -0,0 +1,3 @@
+#git=git://anongit.freedesktop.org/xorg/lib/libXmu
+version=3
+http://xorg.freedesktop.org/releases/individual/lib/ libXmu-(.*)\tar\gz
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1013987576_1591897387.78/0/libxmu-1-1-2-2-diff-gz/libxmu_1.1.2-2.diff
```

# 1.512 gettext 2.17 157.e17\_3.4

## 1.512.1 Available under license :

@c The GNU Lesser General Public License.

@center Version 2.1, February 1999

@c This file is intended to be included within another document,

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@display

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@subheading Preamble

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Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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@subheading TERMS AND CONDITIONS FOR COPYING, DISTRIBUTION AND MODIFICATION

@enumerate 0

@item

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@enumerate a

@item

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@item

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Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

@item

As an exception to the Sections above, you may also combine or link a ``work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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@enumerate a

@item

Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable ``work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood

that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

@item

Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

@item

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@item

If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

@item

Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

@end enumerate

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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@item

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library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

@enumerate a

@item

Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

@item

Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

@end enumerate

@item

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```

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```
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```

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```
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`Frob' (a library for tweaking knobs) written by James Random Hacker.
```

```
@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
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```

```
That's all there is to it!
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@center Version 2, June 1991
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```
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Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type `show c' for details.
@end smallexample
```

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```
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`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
@var{signature of Ty Coon}, 1 April 1989
Ty Coon, President of Vice
@end example
```

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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If such an object file uses only numerical parameters, data

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## 1.513 boringssl 4.1.1 12.e17\_6.19

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## 1.514 Icms 1.8.0.141 1.b16.e17\_3

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\* `configure.ac`, `Makefile.am`: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

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\* `atf-c/ui.c`: The `format_paragraph` and `format_text` functions were derived from the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5cff2bb5b6.

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\* `atf-c++/detail/io.hpp`, `atf-c++/detail/io.cpp`, `atf-c++/detail/io_test.cpp`: These files were derived from the `file_handle`, `systembuf`, `pipe` and `pistream` classes and tests found in the Boost.Process library.

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\* `admin/check-style.sh`, `admin/check-style-common.awk`, `admin/check-style-cpp.awk`, `admin/check-style-shell.awk`: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.

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-->

<!-- \$Id\$ -->

<!-- Generate ISC copyright comments from Docbook copyright metadata. -->

```
<xsl:stylesheet version="1.0"
  xmlns:xsl="http://www.w3.org/1999/XSL/Transform"
  xmlns:xi="http://www.w3.org/2001/XInclude"
  xmlns:db="http://docbook.org/ns/docbook">

  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="$isc.copyright.leader"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:template>

  <xsl:variable name="isc.copyright.text">
    <xsl:text>
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      License, v. 2.0. If a copy of the MPL was not distributed with this
      file, You can obtain one at http://mozilla.org/MPL/2.0/.
    </xsl:text>
  </xsl:variable>

  <xsl:variable name="isc.copyright">
    <xsl:call-template name="isc.copyright.format">
      <xsl:with-param name="text">
        <xsl:for-each select="book/info/copyright | refentry/docinfo/copyright">
          <xsl:text>Copyright (C) </xsl:text>
          <xsl:call-template name="copyright.years">
            <xsl:with-param name="years" select="year"/>
          </xsl:call-template>
          <xsl:text> </xsl:text>
          <xsl:value-of select="holder"/>
          <xsl:value-of select="$isc.copyright.breakline"/>
          <xsl:text>&#10;</xsl:text>
        </xsl:for-each>
      </xsl:with-param>
    </xsl:call-template>
  </xsl:variable>
```

</xsl:variable>  
</xsl:stylesheet>

<!--

- Local variables:

- mode: sgml

- End:

-->

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# 1.516 cpuid 1.2.1

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## 1.517 io-grpc-grpc-context 1.25.0

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 */
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1014221116_1591897665.53/0/grpc-context-1-25-0-sources-
jar/io/grpc/PersistentHashMapMappedTrie.java
```

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 */
```

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1014221116\_1591897665.53/0/grpc-context-1-25-0-sources-jar/io/grpc/Deadline.java

\* /opt/ws\_local/PERMITS\_SQL/1014221116\_1591897665.53/0/grpc-context-1-25-0-sources-jar/io/grpc/ThreadLocalContextStorage.java

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Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1014221116\_1591897665.53/0/grpc-context-1-25-0-sources-jar/io/grpc/Context.java

## 1.518 spring-testcontext-framework

### 5.1.11.RELEASE

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Found in path(s):

- \* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/test/web/ModelAndViewAssert.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/test/context/support/AnnotationConfigContextLoader.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/test/web/reactive/server/XpathAssertions.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/test/web/reactive/server/DefaultMockServerSpec.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/test/web/reactive/server/HttpHandlerConnector.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/test/context/junit/jupiter/DisabledIf.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/mock/web/MockHttpServletRequest.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/test/context/TestContext.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/test/context/TestExecutionListener.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/test/context/ContextConfiguration.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/test/web/servlet/result/HeaderResultMatchers.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/mock/web/HeaderValueHolder.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/test/context/support/AbstractGenericContextLoader.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/test/context/web/AbstractGenericWebContextLoader.java
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- \* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/test/util/AssertionErrors.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/test/context/support/AnnotationConfigContextLoaderUtils.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/mock/web/MockHttpServletResponse.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/mock/http/client/reactive/MockClientHttpResponse.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/test/web/servlet/setup/StubWebApplicationContext.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/mock/web/MockServletContext.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-

jar/org/springframework/test/context/cache/DefaultContextCache.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-  
jar/org/springframework/test/web/reactive/server/WebTestClientConfigurer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-  
jar/org/springframework/test/web/servlet/htmlunit/HostRequestMatcher.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/test/web/reactive/server/DefaultWebTestClientBuilder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/test/util/XpathExpectationsHelper.java

\* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/test/context/support/AbstractTestContextBootstrapper.java

\* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/test/web/servlet/ResultActions.java

\* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/test/web/servlet/result/JsonPathResultMatchers.java

\* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/mock/web/MockMultipartFile.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/test/context/support/DirtyContextBeforeModesTestExecutionListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/mock/web/MockMultipartHttpServletRequest.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/test/web/servlet/setup/MockMvcConfigurerAdapter.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/test/context/support/GenericXmlContextLoader.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/test/annotation/ProfileValueSource.java  
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\*/  
/\*\*  
\* Kotlin compliant `WebTestClient.BodySpec` for expectations on the response body decoded  
\* to a single Object, see [KT-5464](https://youtrack.jetbrains.com/issue/KT-5464) for  
\* more details.  
\* @since 5.0.6  
\*/

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\* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-jar/org/springframework/test/web/reactive/server/WebTestClientExtensions.kt

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\* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-  
jar/org/springframework/test/context/CacheAwareContextLoaderDelegate.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-  
jar/org/springframework/test/context/web/GenericXmlWebContextLoader.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-  
jar/org/springframework/test/context/BootstrapContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221172\_1591385371.92/0/spring-test-5-1-11-release-sources-  
jar/org/springframework/test/context/junit4/statements/SpringRepeat.java

# 1.519 commons-compress rel/1.19

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\* /opt/ws\_local/PERMITS\_SQL/1014221207\_1591377202.21/0/netty-transport-native-unix-common-4-1-43-final-sources-jar/netty\_unix\_limits.c  
\* /opt/ws\_local/PERMITS\_SQL/1014221207\_1591377202.21/0/netty-transport-native-unix-common-4-1-43-final-sources-jar/netty\_unix\_util.c  
\* /opt/ws\_local/PERMITS\_SQL/1014221207\_1591377202.21/0/netty-transport-native-unix-common-4-1-43-final-sources-jar/io/netty/channel/unix/SocketWritableByteChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221207\_1591377202.21/0/netty-transport-native-unix-common-4-1-43-final-sources-jar/io/netty/channel/unix/LimitsStaticallyReferencedJniMethods.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221207\_1591377202.21/0/netty-transport-native-unix-common-4-1-43-final-sources-jar/netty\_unix\_limits.h  
\* /opt/ws\_local/PERMITS\_SQL/1014221207\_1591377202.21/0/netty-transport-native-unix-common-4-1-43-final-sources-jar/netty\_unix\_util.h  
\* /opt/ws\_local/PERMITS\_SQL/1014221207\_1591377202.21/0/netty-transport-native-unix-common-4-1-43-final-sources-jar/io/netty/channel/unix/ErrorsStaticallyReferencedJniMethods.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221207\_1591377202.21/0/netty-transport-native-unix-common-4-1-43-final-sources-jar/io/netty/channel/unix/PeerCredentials.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221207\_1591377202.21/0/netty-transport-native-unix-common-4-1-43-final-sources-jar/io/netty/channel/unix/Limits.java

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* /opt/ws_local/PERMITS_SQL/1014221207_1591377202.21/0/netty-transport-native-unix-common-4-1-43-final-
sources-jar/io/netty/channel/unix/Buffer.java
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sources-jar/netty_unix_buffer.c
* /opt/ws_local/PERMITS_SQL/1014221207_1591377202.21/0/netty-transport-native-unix-common-4-1-43-final-
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sources-jar/io/netty/channel/unix/DomainSocketChannel.java
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\* /opt/ws\_local/PERMITS\_SQL/1014221207\_1591377202.21/0/netty-transport-native-unix-common-4-1-43-final-sources-jar/io/netty/channel/unix/Errors.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221207\_1591377202.21/0/netty-transport-native-unix-common-4-1-43-final-sources-jar/netty\_unix\_socket.h  
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\* /opt/ws\_local/PERMITS\_SQL/1014221207\_1591377202.21/0/netty-transport-native-unix-common-4-1-43-final-sources-jar/io/netty/channel/unix/FileDescriptor.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221207\_1591377202.21/0/netty-transport-native-unix-common-4-1-43-final-sources-jar/netty\_unix\_errors.h  
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\* /opt/ws\_local/PERMITS\_SQL/1014221207\_1591377202.21/0/netty-transport-native-unix-common-4-1-43-final-sources-jar/io/netty/channel/unix/DomainSocketAddress.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221207\_1591377202.21/0/netty-transport-native-unix-common-4-1-43-final-sources-jar/io/netty/channel/unix/DatagramSocketAddress.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221207\_1591377202.21/0/netty-transport-native-unix-common-4-1-43-final-sources-jar/io/netty/channel/unix/IovArray.java

\* /opt/ws\_local/PERMITS\_SQL/1014221207\_1591377202.21/0/netty-transport-native-unix-common-4-1-43-final-sources-jar/io/netty/channel/unix/UnixChannelOption.java

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## 1.523 apache-commons-lang 3.9

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## 1.526 spring-boot-test-auto-configure

### 2.1.10.RELEASE

#### 1.526.1 Available under license :

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```
{\rtf1\ansi\ansicpg1252\cocoartf1671\cocoasubrtf600
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document tree is shown below.\
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<relativePath>../spring-boot-parent</relativePath>
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<artifactId>spring-boot-test-autoconfigure</artifactId>
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<name>Spring Boot Test Auto-Configure</name>
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```
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```

```
<url>
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```
https://projects.spring.io/spring-boot/#/spring-boot-parent/spring-boot-test-autoconfigure
```

```
</url>
```

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<organization>
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```
<name>Pivotal Software, Inc.</name>
```

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<url>https://spring.io</url>
```

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</organization>
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<url>https://www.apache.org/licenses/LICENSE-2.0</url>
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</license>
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</licenses>
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```
<developers>
```

```
<developer>
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```
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```

```
<email>info@pivotal.io</email>
```

```
<organization>Pivotal Software, Inc.</organization>
```

```
<organizationUrl>https://www.spring.io</organizationUrl>
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```
</developer>
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```
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```
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```

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```

```
</developerConnection>
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```
</scm>
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```

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<groupId>com.google.code.gson</groupId>\n<artifactId>gson</artifactId>\n<version>2.8.6</version>\n<scope>compile</scope>\n<optional>true</optional>\n</dependency>\n<dependency>\n<groupId>com.jayway.jsonpath</groupId>\n<artifactId>json-path</artifactId>\n<version>2.4.0</version>\n<scope>compile</scope>\n<optional>true</optional>\n</dependency>\n<dependency>\n<groupId>io.rest-assured</groupId>\n<artifactId>rest-assured</artifactId>\n<version>3.1.1</version>\n<scope>compile</scope>\n<optional>true</optional>\n</dependency>\n<dependency>\n<groupId>net.sourceforge.htmlunit</groupId>\n<artifactId>htmlunit</artifactId>\n<version>2.33</version>\n<scope>compile</scope>\n<exclusions>\n<exclusion>\n<artifactId>commons-logging</artifactId>\n<groupId>commons-logging</groupId>\n</exclusion>\n</exclusions>\n<optional>true</optional>\n</dependency>\n<dependency>\n<groupId>org.hibernate</groupId>\n<artifactId>hibernate-core</artifactId>\n<version>5.3.13.Final</version>\n<scope>compile</scope>\n<exclusions>\n<exclusion>\n<artifactId>jboss-transaction-api_1.2_spec</artifactId>\n<groupId>org.jboss.spec.java.transaction</groupId>\n</exclusion>\n</exclusions>\n<optional>true</optional>\n</dependency>\n<dependency>\n<groupId>org.junit.jupiter</groupId>\n
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```

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1014221143\_1591897510.59/0/spring-boot-test-auto-configure-pom-zip/spring-boot-test-auto-configure.pom.rtf

# 1.527 byte-buddy-agent 1.9.16

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 */
```

Found in path(s):

- \* /opt/ws\_local/PERMITS\_SQL/1014221201\_1591897829.68/0/okio-1-17-2-sources-jar/okio/RealBufferedSink.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221201\_1591897829.68/0/okio-1-17-2-sources-jar/okio/SegmentPool.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221201\_1591897829.68/0/okio-1-17-2-sources-jar/okio/Okio.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221201\_1591897829.68/0/okio-1-17-2-sources-jar/okio/Source.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221201\_1591897829.68/0/okio-1-17-2-sources-jar/okio/InflaterSource.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221201\_1591897829.68/0/okio-1-17-2-sources-jar/okio/DeflaterSink.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221201\_1591897829.68/0/okio-1-17-2-sources-jar/okio/ForwardingSink.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221201\_1591897829.68/0/okio-1-17-2-sources-jar/okio/Sink.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221201\_1591897829.68/0/okio-1-17-2-sources-jar/okio/RealBufferedSource.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221201\_1591897829.68/0/okio-1-17-2-sources-jar/okio/BufferedSource.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221201\_1591897829.68/0/okio-1-17-2-sources-jar/okio/ForwardingSource.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221201\_1591897829.68/0/okio-1-17-2-sources-jar/okio/GzipSource.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221201\_1591897829.68/0/okio-1-17-2-sources-jar/okio/Buffer.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221201\_1591897829.68/0/okio-1-17-2-sources-jar/okio/Timeout.java
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- \* /opt/ws\_local/PERMITS\_SQL/1014221201\_1591897829.68/0/okio-1-17-2-sources-jar/okio/Util.java
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- \* /opt/ws\_local/PERMITS\_SQL/1014221201\_1591897829.68/0/okio-1-17-2-sources-jar/okio/AsyncTimeout.java

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- \* /opt/ws\_local/PERMITS\_SQL/1014221201\_1591897829.68/0/okio-1-17-2-sources-jar/okio/PushableTimeout.java

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## 1.529 lz4-and-xxhash 1.6.0

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## 1.531 jackson-module-paranamer 2.9.10

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\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-jar/org/slf4j/helpers/BasicMarker.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-jar/org/slf4j/helpers/MessageFormatter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-jar/org/slf4j/helpers/BasicMDCAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-jar/org/slf4j/helpers/FormattingTuple.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-jar/org/slf4j/IMarkerFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-jar/org/slf4j/spi/LocationAwareLogger.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-jar/org/slf4j/MDC.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-jar/org/slf4j/helpers/Util.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-jar/org/slf4j/helpers/SubstituteLogger.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-jar/org/slf4j/LoggerFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-jar/org/slf4j/impl/StaticMDCBinder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-jar/org/slf4j/spi/LoggerFactoryBinder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-jar/org/slf4j/Logger.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-jar/org/slf4j/impl/StaticMarkerBinder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-jar/org/slf4j/helpers/SubstituteLoggerFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-jar/org/slf4j/helpers/NOPLogger.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-jar/org/slf4j/helpers/BasicMarkerFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-jar/org/slf4j/helpers/NOPMDCAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-jar/org/slf4j/spi/MarkerFactoryBinder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-jar/org/slf4j/ILoggerFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-

jar/org/slf4j/helpers/NOPLoggerFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-  
jar/org/slf4j/helpers/NamedLoggerBase.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-  
jar/org/slf4j/spi/MDCAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-  
jar/org/slf4j/MarkerFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-  
jar/org/slf4j/impl/StaticLoggerBinder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-  
jar/org/slf4j/helpers/MarkerIgnoringBase.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221182\_1593546679.56/0/slf4j-api-1-7-29-sources-jar/org/slf4j/Marker.java

## 1.533 asm-tree 7.2

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```
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jar/io/grpc/ServerInterceptors.java
* /opt/ws_local/PERMITS_SQL/1014221196_1591897287.29/0/grpc-api-1-25-0-sources-
jar/io/grpc/ServerCallHandler.java
* /opt/ws_local/PERMITS_SQL/1014221196_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/Metadata.java
* /opt/ws_local/PERMITS_SQL/1014221196_1591897287.29/0/grpc-api-1-25-0-sources-
jar/io/grpc/ClientInterceptor.java
* /opt/ws_local/PERMITS_SQL/1014221196_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/ClientCall.java
* /opt/ws_local/PERMITS_SQL/1014221196_1591897287.29/0/grpc-api-1-25-0-sources-
jar/io/grpc/ServerServiceDefinition.java
* /opt/ws_local/PERMITS_SQL/1014221196_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/ServerCall.java
* /opt/ws_local/PERMITS_SQL/1014221196_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/Drainable.java
* /opt/ws_local/PERMITS_SQL/1014221196_1591897287.29/0/grpc-api-1-25-0-sources-
```

```
jar/io/grpc/HandlerRegistry.java
* /opt/ws_local/PERMITS_SQL/1014221196_1591897287.29/0/grpc-api-1-25-0-sources-
jar/io/grpc/KnownLength.java
* /opt/ws_local/PERMITS_SQL/1014221196_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/Status.java
* /opt/ws_local/PERMITS_SQL/1014221196_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/Channel.java
* /opt/ws_local/PERMITS_SQL/1014221196_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/Server.java
* /opt/ws_local/PERMITS_SQL/1014221196_1591897287.29/0/grpc-api-1-25-0-sources-
jar/io/grpc/ServerMethodDefinition.java
* /opt/ws_local/PERMITS_SQL/1014221196_1591897287.29/0/grpc-api-1-25-0-sources-
jar/io/grpc/ServerInterceptor.java
* /opt/ws_local/PERMITS_SQL/1014221196_1591897287.29/0/grpc-api-1-25-0-sources-
jar/io/grpc/MethodDescriptor.java
* /opt/ws_local/PERMITS_SQL/1014221196_1591897287.29/0/grpc-api-1-25-0-sources-
jar/io/grpc/ClientInterceptors.java
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jar/io/grpc/ServerStreamTracer.java
* /opt/ws_local/PERMITS_SQL/1014221196_1591897287.29/0/grpc-api-1-25-0-sources-
jar/io/grpc/InternalWithLogId.java
* /opt/ws_local/PERMITS_SQL/1014221196_1591897287.29/0/grpc-api-1-25-0-sources-
jar/io/grpc/InternalServiceProviders.java
* /opt/ws_local/PERMITS_SQL/1014221196_1591897287.29/0/grpc-api-1-25-0-sources-
jar/io/grpc/ClientStreamTracer.java
* /opt/ws_local/PERMITS_SQL/1014221196_1591897287.29/0/grpc-api-1-25-0-sources-
jar/io/grpc/ForwardingChannelBuilder.java
* /opt/ws_local/PERMITS_SQL/1014221196_1591897287.29/0/grpc-api-1-25-0-sources-
jar/io/grpc/ServiceProviders.java
* /opt/ws_local/PERMITS_SQL/1014221196_1591897287.29/0/grpc-api-1-25-0-sources-
jar/io/grpc/InternalStatus.java
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```

jar/io/grpc/StreamTracer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/ProxyDetector.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/InternalServerInterceptors.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/InternalLogId.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
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jar/io/grpc/ServerBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/ForwardingServerCall.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/ManagedChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/Compressor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/EquivalentAddressGroup.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/ExperimentalApi.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/ServerProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/ForwardingClientCall.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/PartialForwardingServerCall.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/Internal.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-

jar/io/grpc/CallOptions.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/ManagedChannelBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/ManagedChannelProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/Attributes.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/Contexts.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/NameResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/ForwardingClientCallListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/DecompressorRegistry.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/package-  
info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/StatusException.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/StatusRuntimeException.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/PartialForwardingServerCallListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/Decompressor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/Codec.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/CompressorRegistry.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/ForwardingServerCallListener.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-

jar/io/grpc/NameResolverRegistry.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/ProxiedSocketAddress.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/HttpConnectProxiedSocketAddress.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/InternalCallOptions.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/InternalDecompressorRegistry.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/CallCredentials.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/Grpc.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/ConnectivityStateInfo.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/LoadBalancer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/InternalMethodDescriptor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/ServiceDescriptor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/SecurityLevel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/InternalKnownTransport.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/NameResolverProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-  
jar/io/grpc/ConnectivityState.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-



jar/io/grpc/CallCredentials2.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/InternalNotifyOnServerBuild.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/ServerTransportFilter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/InternalMetadata.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/BindableService.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/InternalChannelz.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/PartialForwardingClientCallListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/InternalManagedChannelProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/PartialForwardingClientCall.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/ChannelLogger.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/InternalClientInterceptors.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/SynchronizationContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/LoadBalancerProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221196\_1591897287.29/0/grpc-api-1-25-0-sources-jar/io/grpc/LoadBalancerRegistry.java  
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Found in path(s):

```
*/opt/ws_local/PERMITS_SQL/1014221196_1591897287.29/0/grpc-api-1-25-0-sources-
jar/io/grpc/BinaryLog.java
```

## 1.535 apache-kafka 2.3.1

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Kafka Streams Scala

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## 1.536 apache-commons-beanutils 1.9.4

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## 1.537 json-java 20190722

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```
* /opt/ws_local/PERMITS_SQL/1014221203_1591383914.51/0/slf4j-log4j12-1-7-29-sources-
jar/org/slf4j/impl/Log4jLoggerAdapter.java
* /opt/ws_local/PERMITS_SQL/1014221203_1591383914.51/0/slf4j-log4j12-1-7-29-sources-
jar/org/slf4j/impl/StaticMarkerBinder.java
* /opt/ws_local/PERMITS_SQL/1014221203_1591383914.51/0/slf4j-log4j12-1-7-29-sources-
jar/org/slf4j/impl/Log4jLoggerFactory.java
* /opt/ws_local/PERMITS_SQL/1014221203_1591383914.51/0/slf4j-log4j12-1-7-29-sources-
jar/org/slf4j/impl/Log4jMDCAdapter.java
* /opt/ws_local/PERMITS_SQL/1014221203_1591383914.51/0/slf4j-log4j12-1-7-29-sources-
jar/org/slf4j/impl/StaticLoggerBinder.java
* /opt/ws_local/PERMITS_SQL/1014221203_1591383914.51/0/slf4j-log4j12-1-7-29-sources-
jar/org/slf4j/impl/StaticMDCBinder.java
```

# 1.540 hystrix-core 1.5.18

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Version 2.0, January 2004

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 */
```

```
package org.springframework.orm.jpa.domain;
```

```
import javax.persistence.Entity;  
import javax.persistence.Id;  
import javax.persistence.Table;
```

```
@Entity
```

```

@Table(name="DRIVERS_LICENSE")
public class DriversLicense {

    @Id
    private int id;

    private String serial_number;

    protected DriversLicense() {
    }

    public DriversLicense(String serialNumber) {
        this.serial_number = serialNumber;
    }

    public String getSerialNumber() {
        return serial_number;
    }

}

```

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*/
```

```
package org.springframework.test.context.junit4.orm.domain;
```

```
/**
```

```
* DriversLicense POJO.
```

```
*
```

```
* @author Sam Brannen
```

```
* @since 3.0
```

```
*/
```

```
public class DriversLicense {
```

```
    private Long id;
```

```
    private Long number;
```

```
    public DriversLicense() {
    }
```

```
    public DriversLicense(Long number) {
        this(null, number);
    }
```

```
    public DriversLicense(Long id, Long number) {
        this.id = id;
        this.number = number;
    }
```

```
    public Long getId() {
        return this.id;
    }
```

```
    protected void setId(Long id) {
        this.id = id;
    }
```

```
    public Long getNumber() {
        return this.number;
    }
```

```

public void setNumber(Long number) {
    this.number = number;
}

}

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE hibernate-mapping PUBLIC "-//Hibernate/Hibernate Mapping DTD//EN"
    "https://hibernate.org/dtd/hibernate-mapping-3.0.dtd">

<hibernate-mapping auto-import="true" default-lazy="false">

    <class name="org.springframework.test.context.junit4.orm.domain.DriversLicense" table="drivers_license">
        <id name="id" column="id">
            <generator class="identity" />
        </id>
        <property name="number" column="license_number" />
    </class>

</hibernate-mapping>

```

## 1.542 jopt-simple 5.0.4

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Jackson is a high-performance, Free/Open Source JSON processing library.

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## 1.546 io-grpc-grpc-protobuf-lite 1.25.0

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 */
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1014221146_1591897932.24/0/grpc-protobuf-lite-1-25-0-sources-
jar/io/grpc/protobuf/lite/package-info.java
```

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Found in path(s):

```
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jar/io/grpc/protobuf/lite/ProtoLiteUtils.java
* /opt/ws_local/PERMITS_SQL/1014221146_1591897932.24/0/grpc-protobuf-lite-1-25-0-sources-
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```



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\* /opt/ws\_local/PERMITS\_SQL/1014221192\_1591384644.9/0/spring-cloud-context-2-1-4-release-sources-jar/org/springframework/cloud/context/scope/refresh/RefreshScope.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221192\_1591384644.9/0/spring-cloud-context-2-1-4-release-sources-jar/org/springframework/cloud/autoconfigure/RefreshAutoConfiguration.java  
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# 1.555 google-api-grpc-proto-google-common-protos 1.16.0

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Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1014221108_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/logging/type/http_request.proto  
* /opt/ws_local/PERMITS_SQL/1014221108_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/context.proto  
* /opt/ws_local/PERMITS_SQL/1014221108_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/type/latlng.proto  
* /opt/ws_local/PERMITS_SQL/1014221108_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/label.proto  
* /opt/ws_local/PERMITS_SQL/1014221108_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/resource.proto  
* /opt/ws_local/PERMITS_SQL/1014221108_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/quota.proto  
* /opt/ws_local/PERMITS_SQL/1014221108_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/documentation.proto  
* /opt/ws_local/PERMITS_SQL/1014221108_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/source_info.proto  
* /opt/ws_local/PERMITS_SQL/1014221108_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/control.proto  
* /opt/ws_local/PERMITS_SQL/1014221108_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/httpbody.proto  
* /opt/ws_local/PERMITS_SQL/1014221108_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/service.proto  
* /opt/ws_local/PERMITS_SQL/1014221108_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/client.proto  
* /opt/ws_local/PERMITS_SQL/1014221108_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/experimental/authorization_config.proto
```

\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/type/dayofweek.proto

\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/type/quaternion.proto

\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/type/expr.proto

\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/system\_parameter.proto

\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/monitored\_resource.proto

\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/logging.proto

\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/logging/type/log\_severity.proto

\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/monitoring.proto

\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/type/postal\_address.proto

\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/usage.proto

\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/backend.proto

\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/config\_change.proto

\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/billing.proto

\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/endpoint.proto

\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/auth.proto

\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/type/date.proto

\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/experimental/experimental.proto

\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/cloud/audit/audit\_log.proto

\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/type/color.proto

\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/annotations.proto

\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/metric.proto

\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/rpc/error\_details.proto

\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/type/money.proto

\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/longrunning/operations.proto



\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/type/calendar\_period.proto  
\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/rpc/code.proto  
\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/rpc/status.proto  
\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/type/fraction.proto  
\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/distribution.proto  
\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/http.proto  
\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/consumer.proto  
\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/log.proto  
\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/type/timeofday.proto  
\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-jar/google/api/field\_behavior.proto

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```
/**  
 * <pre>  
 * Early Access features are limited to a closed group of testers. To use  
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 * agreement (which includes confidentiality provisions). These features may  
 * be unstable, changed in backward-incompatible ways, and are not  
 * guaranteed to be released.  
 * </pre>  
 *  
 * <code>EARLY_ACCESS = 1;</code>  
 */
```

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1014221108\_1591363085.63/0/proto-google-common-protos-1-16-0-sources-

# 1.556 scala 2.12.8

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```
class C {  
  val x: ((Int, Int) => Int) = (((a, b) => a)  
  val y: ((Int, Int, Int) => Int) = (((a, !!)) => a)  
  val z: ((Int, Int, Int) => Int) = (((a, NotAPatternVariableName, c)) => a)  
}
```

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not-a-legal-formal-parameter-tuple.scala:2: error: not a legal formal parameter.

Note: Tuples cannot be directly destructured in method or function parameters.

Either create a single parameter accepting the Tuple2,

or consider a pattern matching anonymous function: `{ case (a, b) => ... }`

`val x: ((Int, Int) => Int) = (((a, b)) => a)`

^

not-a-legal-formal-parameter-tuple.scala:3: error: not a legal formal parameter.

Note: Tuples cannot be directly destructured in method or function parameters.

Either create a single parameter accepting the Tuple2,

or consider a pattern matching anonymous function: `{ case (param1, param2) => ... }`

```
val y: ((Int, Int, Int) => Int) = (((a, !)) => a)
```

^

not-a-legal-formal-parameter-tuple.scala:4: error: not a legal formal parameter.

Note: Tuples cannot be directly destructured in method or function parameters.

Either create a single parameter accepting the Tuple3,

or consider a pattern matching anonymous function: `{ case (param1, ..., param3) => ... }`

```
val z: ((Int, Int, Int) => Int) = (((a, NotAPatternVariableName, c)) => a)
```

^

three errors found

```
{% if site.thisScalaVersion != site.latestScalaVersion %}
```

```
<div class="version-notice">This is the specification of a previous version of Scala. See the <a href="{ { site.baseurl } }"/>{ { site.latestScalaVersion } }"/>Scala { { site.latestScalaVersion } } spec</a>.</div>
```

```
{% endif %}
```

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jar/com/google/protobuf/DiscardUnknownFieldsParser.java
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jar/google/protobuf/descriptor.proto

## 1.560 jackson-datatype-guava 2.9.10

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# 1.561 apache-yetus-audience-annotations

## 0.5.0

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# 1.562 jnr-posix 3.0.35

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 */
package org.springframework.security.acls.model;

import java.io.Serializable;

/**
 * Represents a permission granted to a <tt>Sid</tt> for a given domain object.
 *
 * @author Ben Alex
 */
public interface Permission extends Serializable {
    // ~ Static fields/initializers
    //
    =====
    ===

    char RESERVED_ON = '~';
    char RESERVED_OFF = '!';
    String THIRTY_TWO_RESERVED_OFF = ".....";

    // ~ Methods
    //
    =====
    =====
```

```

/**
 * Returns the bits that represents the permission.
 *
 * @return the bits that represent the permission
 */
int getMask();

/**
 * Returns a 32-character long bit pattern <code>String</code> representing this
 * permission.
 * <p>
 * Implementations are free to format the pattern as they see fit, although under no
 * circumstances may { @link #RESERVED_OFF} or { @link #RESERVED_ON} be used within the
 * pattern. An exemption is in the case of { @link #RESERVED_OFF} which is used to
 * denote a bit that is off (clear). Implementations may also elect to use
 * { @link #RESERVED_ON} internally for computation purposes, although this method may
 * not return any <code>String</code> containing { @link #RESERVED_ON}.
 * <p>
 * The returned String must be 32 characters in length.
 * <p>
 * This method is only used for user interface and logging purposes. It is not used in
 * any permission calculations. Therefore, duplication of characters within the output
 * is permitted.
 *
 * @return a 32-character bit pattern
 */
String getPattern();
}

```

```

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```

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# 1.567 javax-inject1-as-osgi-bundle 2.6.1

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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-jar/org/springframework/boot/web/servlet/context/XmlServletWebServerApplicationContext.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/web/embedded/netty/NettyServerCustomizer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/info/BuildProperties.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/security/reactive/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/jdbc/DataSourceInitializationMode.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/CommandLineRunner.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/SpringApplicationBannerPrinter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/logging/logback/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/webservices/client/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/web/context/WebServerApplicationContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/convert/DelimitedStringToArrayConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/util/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/info/GitProperties.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/DefaultApplicationArguments.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/context/properties/bind/BindResult.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/context/properties/bind/handler/NoUnboundElementsBindHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/web/embedded/tomcat/ConfigurableTomcatWebServerFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-

jar/org/springframework/boot/web/reactive/function/client/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/type/classreading/ConcurrentReferenceCachingMetadataReaderFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/SpringBootBanner.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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jar/org/springframework/boot/logging/log4j2/WhitespaceThrowablePatternConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/convert/DurationToNumberConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/json/JacksonJsonParser.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-

jar/org/springframework/boot/context/properties/bind/PropertySourcesPlaceholdersResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/logging/LoggingSystem.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/web/servlet/view/MustacheView.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/context/event/ApplicationFailedEvent.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/web/embedded/jetty/JettyEmbeddedErrorHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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jar/org/springframework/boot/convert/NumberToDataSizeConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/context/ConfigurationWarningsApplicationContextInitializer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/web/embedded/jetty/JettyHandlerWrappers.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
jar/org/springframework/boot/context/properties/source/DefaultPropertyMapper.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-  
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\*/

/\*\*

\* A {@link WebApplicationContext} that can be used to bootstrap itself from a contained

\* {@link ServletWebServerFactory} bean.

\* <p>

\* This context will create, initialize and run an {@link WebServer} by searching for a

\* single {@link ServletWebServerFactory} bean within the {@link ApplicationContext}

\* itself. The { @link ServletWebServerFactory } is free to use standard Spring concepts  
 \* (such as dependency injection, lifecycle callbacks and property placeholder variables).  
 \* <p>  
 \* In addition, any { @link Servlet } or { @link Filter } beans defined in the context will be  
 \* automatically registered with the web server. In the case of a single Servlet bean, the  
 \* '/' mapping will be used. If multiple Servlet beans are found then the lowercase bean  
 \* name will be used as a mapping prefix. Any Servlet named 'dispatcherServlet' will  
 \* always be mapped to '/'. Filter beans will be mapped to all URLs ('/\*').  
 \* <p>  
 \* For more advanced configuration, the context can instead define beans that implement  
 \* the { @link ServletContextInitializer } interface (most often  
 \* { @link ServletRegistrationBean }s and/or { @link FilterRegistrationBean }s). To prevent  
 \* double registration, the use of { @link ServletContextInitializer } beans will disable  
 \* automatic Servlet and Filter bean registration.  
 \* <p>  
 \* Although this context can be used directly, most developers should consider using the  
 \* { @link AnnotationConfigServletWebServerApplicationContext } or  
 \* { @link XmlServletWebServerApplicationContext } variants.  
 \*  
 \* @author Phillip Webb  
 \* @author Dave Syer  
 \* @since 2.0.0  
 \* @see AnnotationConfigServletWebServerApplicationContext  
 \* @see XmlServletWebServerApplicationContext  
 \* @see ServletWebServerFactory  
 \*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-jar/org/springframework/boot/web/servlet/context/ServletWebServerApplicationContext.java

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Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1014221197\_1591897450.05/0/spring-boot-2-1-10-release-sources-jar/META-INF/maven/org.springframework.boot/spring-boot/pom.xml

# 1.572 spring-boot-test 2.1.10.RELEASE

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Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/META-

INF/maven/org.springframework.boot/spring-boot-test/pom.xml  
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```
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```
* /opt/ws_local/PERMITS_SQL/1014221175_1591384614.1/0/spring-boot-test-2-1-10-release-sources-
jar/org/springframework/boot/test/web/reactive/server/package-info.java
* /opt/ws_local/PERMITS_SQL/1014221175_1591384614.1/0/spring-boot-test-2-1-10-release-sources-
jar/org/springframework/boot/test/web/package-info.java
* /opt/ws_local/PERMITS_SQL/1014221175_1591384614.1/0/spring-boot-test-2-1-10-release-sources-
jar/org/springframework/boot/test/context/DefaultTestExecutionListenersPostProcessor.java
* /opt/ws_local/PERMITS_SQL/1014221175_1591384614.1/0/spring-boot-test-2-1-10-release-sources-
jar/org/springframework/boot/test/web/client/LocalHostUriTemplateHandler.java
* /opt/ws_local/PERMITS_SQL/1014221175_1591384614.1/0/spring-boot-test-2-1-10-release-sources-
jar/org/springframework/boot/test/mock/mockito/SpyBeans.java
* /opt/ws_local/PERMITS_SQL/1014221175_1591384614.1/0/spring-boot-test-2-1-10-release-sources-
jar/org/springframework/boot/test/json/JsonbTester.java
* /opt/ws_local/PERMITS_SQL/1014221175_1591384614.1/0/spring-boot-test-2-1-10-release-sources-
jar/org/springframework/boot/test/mock/mockito/MockReset.java
* /opt/ws_local/PERMITS_SQL/1014221175_1591384614.1/0/spring-boot-test-2-1-10-release-sources-
jar/org/springframework/boot/test/context/ImportsContextCustomizer.java
* /opt/ws_local/PERMITS_SQL/1014221175_1591384614.1/0/spring-boot-test-2-1-10-release-sources-
jar/org/springframework/boot/test/json/ObjectContentAssert.java
* /opt/ws_local/PERMITS_SQL/1014221175_1591384614.1/0/spring-boot-test-2-1-10-release-sources-
jar/org/springframework/boot/test/web/client/TestRestTemplateContextCustomizerFactory.java
* /opt/ws_local/PERMITS_SQL/1014221175_1591384614.1/0/spring-boot-test-2-1-10-release-sources-
jar/org/springframework/boot/test/context/assertj/AssertApplicationContext.java
* /opt/ws_local/PERMITS_SQL/1014221175_1591384614.1/0/spring-boot-test-2-1-10-release-sources-
jar/org/springframework/boot/test/context/ImportsContextCustomizerFactory.java
* /opt/ws_local/PERMITS_SQL/1014221175_1591384614.1/0/spring-boot-test-2-1-10-release-sources-
jar/org/springframework/boot/test/context/SpringBootTestContextLoader.java
* /opt/ws_local/PERMITS_SQL/1014221175_1591384614.1/0/spring-boot-test-2-1-10-release-sources-
jar/org/springframework/boot/test/json/JacksonTester.java
```

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/mock/mockito/MockitoContextCustomizerFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/context/assertj/AssertProviderApplicationContextInvocationHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/json/AbstractJsonMarshalTester.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/context/assertj/ApplicationContextAssertProvider.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/mock/mockito/Definition.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/util/ApplicationContextTestUtils.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/json/JsonContentAssert.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/util/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/context/runner/WebApplicationContextRunner.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/json/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/context/runner/ReactiveWebApplicationContextRunner.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/context/filter/TestTypeExcludeFilter.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/context/TestComponent.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/context/runner/ApplicationContextRunner.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/context/assertj/AssertableReactiveWebApplicationContext.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/mock/mockito/MockitoTestExecutionListener.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/json/BasicJsonTester.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/context/TestConfiguration.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/mock/mockito/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/json/JsonLoader.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/web/reactive/server/WebTestClientContextCustomizer.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/json/GsonTester.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/rule/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/context/filter/ExcludeFilterContextCustomizerFactory.java



\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/mock/web/SpringBootTestMockServletContext.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/context/runner/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/context/ReactiveWebMergedContextConfiguration.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/context/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/web/client/RootUriRequestExpectationManager.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/mock/web/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/web/SpringBootTestRandomPortEnvironmentPostProcessor.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/context/ConfigFileApplicationContextInitializer.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/web/htmlunit/webdriver/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/json/JsonContent.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/util/TestPropertyValues.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/mock/mockito/QualifierDefinition.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/mock/mockito/MockitoBeans.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/web/client/TestRestTemplate.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/mock/mockito/SpyBean.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/web/htmlunit/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/context/AnnotatedClassFinder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/mock/mockito/MockitoPostProcessor.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/context/filter/ExcludeFilterContextCustomizer.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/context/SpringBootTestContextBootstrapper.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/context/filter/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/mock/mockito/SpyDefinition.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/web/htmlunit/LocalHostWebClient.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/mock/mockito/MockDefinition.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/web/client/TestRestTemplateContextCustomizer.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/web/client/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/context/assertj/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/context/SpringBootTest.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/web/client/MockServerRestTemplateCustomizer.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/mock/mockito/MockitoContextCustomizer.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/context/runner/ContextConsumer.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/context/runner/AbstractApplicationContextRunner.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/json/ObjectContent.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/mock/mockito/MockBean.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/context/assertj/ApplicationContextAssert.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/web/reactive/server/WebTestClientContextCustomizerFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/context/assertj/AssertableWebApplicationContext.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/rule/OutputCapture.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/mock/mockito/MockBeans.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/context/FilteredClassLoader.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/json/DuplicateJsonObjectContextCustomizerFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/mock/mockito/DefinitionsParser.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/mock/mockito/ResetMocksTestExecutionListener.java

\* /opt/ws\_local/PERMITS\_SQL/1014221175\_1591384614.1/0/spring-boot-test-2-1-10-release-sources-jar/org/springframework/boot/test/web/htmlunit/webdriver/LocalHostWebConnectionHtmlUnitDriver.java

## 1.573 spring-commons-logging-bridge

### 5.1.11.RELEASE

## 1.573.1 Available under license :

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\* /opt/ws\_local/PERMITS\_SQL/1014221138\_1591897566.24/0/spring-jcl-5-1-1-release-sources-jar/org/apache/commons/logging/impl/NoOpLog.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221138\_1591897566.24/0/spring-jcl-5-1-1-release-sources-jar/org/apache/commons/logging/Log.java

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- \* /opt/ws\_local/PERMITS\_SQL/1014221138\_1591897566.24/0/spring-jcl-5-1-1-release-sources-jar/org/apache/commons/logging/impl/SimpleLog.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221138\_1591897566.24/0/spring-jcl-5-1-1-release-sources-jar/org/apache/commons/logging/LogAdapter.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221138\_1591897566.24/0/spring-jcl-5-1-1-release-sources-jar/org/apache/commons/logging/LogFactory.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221138\_1591897566.24/0/spring-jcl-5-1-1-release-sources-jar/org/apache/commons/logging/LogFactoryService.java

## 1.574 asm-analysis 7.2

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# 1.575 open-feign-forms-extension-for-spring

## 3.8.0

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# 1.576 xmlunit-xmlunit-core 2.6.3

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This package "rx.internal.operators" is for internal implementation details and can change at any time.

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core/src/main/java/org/jctools/queues/atomic/SpseLinkedAtomicQueue.java
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This package contains code that relies on `sun.misc.Unsafe`. Before using it you **MUST** assert `UnsafeAccess.isUnsafeAvailable() == true`

Much of the code in this package comes from or is inspired by the JCTools project:  
<https://github.com/JCTools/JCTools>

JCTools has now published artifacts (<https://github.com/JCTools/JCTools/issues/17>) so RxJava could add JCTools as a "shadow" dependency (<https://github.com/ReactiveX/RxJava/issues/1735>).

RxJava has a "zero dependency" policy for the core library, so if we do add it as a dependency, it won't be an externally visible dependency that results in a separate jar.

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\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/functions/Action9.java

\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/subjects/BehaviorSubject.java

\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/observers/SafeSubscriber.java

\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OperatorOnBackpressureDrop.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/schedulers/NewThreadScheduler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/CompletableOnSubscribeMergeArray.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OperatorMaterialize.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/subscriptions/RefCountSubscription.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OperatorCast.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/exceptions/Exceptions.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeTimeoutSelectorWithFallback.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/exceptions/OnCompletedFailedException.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/functions/Function.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OperatorTakeWhile.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeRange.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/plugins/RxJavaObservableExecutionHook.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/BlockingOperatorMostRecent.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/functions/Func4.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/subjects/Subject.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeTimeoutTimedWithFallback.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/observers/SerializedSubscriber.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/functions/Action2.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OperatorWithLatestFromMany.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OperatorObserveOn.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OperatorSerialize.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/functions/Func8.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/Producer.java



\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/plugins/RxJavaObservableExecutionHookDefault.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/functions/Action.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OperatorDoOnSubscribe.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeFromIterable.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OperatorGroupBy.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/schedulers/Timestamped.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeSwitchIfEmpty.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/CompletableOnSubscribeMerge.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleFromObservable.java

\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/util/ObserverSubscriber.java

\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/observers/AssertableSubscriberObservable.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleFromCallable.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeLift.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/annotations/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/observers/AsyncCompletableSubscriber.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/plugins/RxJavaCompletableExecutionHook.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleOnErrorReturn.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeDetach.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleTakeUntilCompletable.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/exceptions/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeFlattenIterable.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/functions/Cancellable.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleTakeUntilObservable.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/Emitter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/EmptyObservableHolder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleDoOnUnsubscribe.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/exceptions/AssemblyStackTraceException.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/util/ActionNotificationObserver.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/subscriptions/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/schedulers/SchedulePeriodicHelper.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/util/InternalObservableUtils.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeOnAssemblyCompletable.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/observables/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/BackpressureOverflow.java

\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleObserveOn.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeOnAssembly.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/plugins/RxJavaHooks.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/functions/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleFromFuture.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/plugins/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleLiftObservableOperator.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/subjects/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleToObservable.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleFromEmitter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleDelay.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/schedulers/SchedulerWhen.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeThrow.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/util/ActionObserver.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/subscriptions/CancellableSubscription.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleTakeUntilSingle.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/subscriptions/Unsubscribed.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleDoOnSubscribe.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/NeverObservableHolder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/observers/AssertableSubscriber.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/observers/SafeCompletableSubscriber.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/CompletableFlatMapSingleToCompletable.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/singles/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeCreate.java

\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/plugins/RxJavaSingleExecutionHookDefault.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/schedulers/GenericScheduledExecutorServiceFactory.java  
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\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/util/atomic/SpscUnboundedAtomicArrayQueue.java  
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*/opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
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*/
```

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```
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
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\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/util/unsafe/ConcurrentSequencedCircularArrayQueue.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/DeferredScalarSubscriberSafe.java

\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/util/SuppressAnimalSniffer.java

\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeFromCallable.java

\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/schedulers/SchedulerLifecycle.java

\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/util/ExceptionsUtils.java

\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeReduceSeed.java



\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeConcatMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/DeferredScalarSubscriber.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleOperatorOnErrorResumeNext.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleOnSubscribeUsing.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeReduce.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleOperatorZip.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeTakeLastOne.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribePublishMulticast.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/producers/SingleProducer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/BackpressureUtils.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/producers/ProducerArbiter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/producers/SingleDelayedProducer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/producers/QueuedValueProducer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-

jar/rx/internal/producers/ProducerObserverArbiter.java

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core/src/main/java/org/jctools/queues/QueueProgressIndicators.java
 */
```

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`/opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/util/unsafe/QueueProgressIndicators.java`

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`/opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeFlatMapCompletable.java`

`/opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/OnSubscribeFlatMapSingle.java`

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* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/internal/operators/OnSubscribeTimerPeriodically.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/internal/operators/OperatorBufferWithSingleObservable.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/internal/operators/OnSubscribeTimerOnce.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/internal/schedulers/ExecutorScheduler.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/internal/operators/OperatorWindowWithObservable.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/internal/operators/OperatorDistinctUntilChanged.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/internal/operators/OperatorMulticast.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/internal/operators/OnSubscribeDelaySubscription.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/internal/operators/OperatorRetryWithPredicate.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/internal/operators/OperatorMapPair.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/internal/operators/OperatorPublish.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/internal/operators/OnSubscribeSkipTimed.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/internal/operators/OperatorDelayWithSelector.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
jar/rx/internal/schedulers/ScheduledAction.java
* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
```

jar/rx/internal/operators/OperatorTakeTimed.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-  
jar/rx/internal/operators/OperatorBufferWithTime.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-  
jar/rx/internal/operators/OnSubscribeRefCount.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-  
jar/rx/internal/util/atomic/SpSCLinkedListArrayQueue.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-  
jar/rx/internal/operators/OperatorDistinct.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-  
jar/rx/internal/operators/OperatorDebounceWithSelector.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-  
jar/rx/internal/operators/OperatorDebounceWithTime.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-  
jar/rx/internal/operators/OnSubscribeDelaySubscriptionWithSelector.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-  
jar/rx/internal/schedulers/NewThreadWorker.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-  
jar/rx/internal/operators/OperatorBufferWithSize.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-  
jar/rx/internal/operators/OperatorWindowWithStartEndObservable.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-  
jar/rx/internal/operators/SingleOnSubscribeDelaySubscriptionOther.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-  
jar/rx/internal/util/PlatformDependent.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-  
jar/rx/internal/util/RxThreadFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-  
jar/rx/internal/operators/OperatorBufferWithStartEndObservable.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-  
jar/rx/internal/operators/OperatorDoAfterTerminate.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-  
jar/rx/internal/operators/OperatorSwitch.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-  
jar/rx/internal/operators/OperatorWithLatestFrom.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-  
jar/rx/internal/operators/OnSubscribeDelaySubscriptionOther.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-  
jar/rx/internal/operators/OperatorWindowWithSize.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-  
jar/rx/internal/operators/OperatorSampleWithObservable.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-  
jar/rx/internal/operators/OperatorOnBackpressureLatest.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-  
jar/rx/internal/operators/OperatorEagerConcatMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-  
jar/rx/internal/operators/OperatorWindowWithObservableFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-

jar/rx/internal/operators/OperatorSampleWithTime.java

\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-

jar/rx/internal/operators/OperatorWindowWithTime.java

\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/functions/Actions.java

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jar/rx/internal/operators/OperatorSkipUntil.java

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[core/src/main/java/org/jctools/queues/MpmcArrayQueue.java](https://github.com/JCTools/JCTools/blob/master/jctools-core/src/main/java/org/jctools/queues/MpmcArrayQueue.java)

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Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-

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\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/CompletableSubscriber.java

\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/SingleEmitter.java

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 */
```

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*/opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
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*/opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/Observable.java
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\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/observables/AsyncOnSubscribe.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/operators/SingleDoAfterTerminate.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/util/BlockingUtils.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/util/unsafe/SpscLinkedQueue.java

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```
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\* Original location: <https://github.com/JCTools/JCTools/blob/master/jctools-core/src/main/java/org/jctools/queues/MpscLinkedQueue.java>  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/util/unsafe/MpscLinkedQueue.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/util/unsafe/UnsafeAccess.java

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* /opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
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 */
/**
 * This plugin class provides 2 ways to customize {@link Scheduler} functionality
 * 1. You may redefine entire schedulers, if you so choose. To do so, override
 * the 3 methods that return Scheduler (io(), computation(), newThread()).
 * 2. You may wrap/decorate an {@link Action0}, before it is handed off to a Scheduler. The system-
 * supplied Schedulers (Schedulers.ioScheduler, Schedulers.computationScheduler,
 * Scheduler.newThreadScheduler) all use this hook, so it's a convenient way to
 * modify Scheduler functionality without redefining Schedulers wholesale.
 *
 * Also, when redefining Schedulers, you are free to use/not use the onSchedule decoration hook.
 */
```

```
* <p>
* See { @link RxJavaPlugins } or the RxJava GitHub Wiki for information on configuring plugins:
* <a
href="https://github.com/ReactiveX/RxJava/wiki/Plugins">https://github.com/ReactiveX/RxJava/wiki/Plugins</a>.
*/
```

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core/src/main/java/org/jctools/queues/SpSCUnboundedArrayQueue.java
*/
```

Found in path(s):

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*/opt/ws_local/PERMITS_SQL/1014221113_1591382734.95/0/rxjava-1-3-8-sources-
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\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/util/atomic/SpSCAtomicArrayQueue.java

\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/util/atomic/SpSCExactAtomicArrayQueue.java

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libraries/source/browse/guava/src/com/google/common/annotations/Beta.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/util/atomic/AtomicReferenceArrayQueue.java

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\* Original location: <https://github.com/JCTools/JCTools/blob/master/jctools-core/src/main/java/org/jctools/queues/LinkedQueueNode.java>  
\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1014221113\_1591382734.95/0/rxjava-1-3-8-sources-jar/rx/internal/util/atomic/LinkedListQueueNode.java

# 1.578 asm-commons 7.2

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\* /opt/ws\_local/PERMITS\_SQL/1014221126\_1591897520.79/0/spring-cloud-commons-2-1-4-release-sources-jar/org/springframework/cloud/client/ConditionalOnDiscoveryEnabled.java

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- \* /opt/ws\_local/PERMITS\_SQL/1014221126\_1591897520.79/0/spring-cloud-commons-2-1-4-release-sources-jar/org/springframework/cloud/client/ServiceInstance.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221126\_1591897520.79/0/spring-cloud-commons-2-1-4-release-sources-jar/org/springframework/cloud/configuration/CompatibilityNotMetException.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221126\_1591897520.79/0/spring-cloud-commons-2-1-4-release-sources-jar/org/springframework/cloud/commons/httpclient/DefaultApacheHttpClientFactory.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221126\_1591897520.79/0/spring-cloud-commons-2-1-4-release-sources-jar/org/springframework/cloud/client/loadbalancer/LoadBalancerRequestTransformer.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221126\_1591897520.79/0/spring-cloud-commons-2-1-4-release-sources-jar/org/springframework/cloud/client/serviceregistry/AutoServiceRegistrationConfiguration.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221126\_1591897520.79/0/spring-cloud-commons-2-1-4-release-sources-jar/org/springframework/cloud/client/circuitbreaker/EnableCircuitBreaker.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221126\_1591897520.79/0/spring-cloud-commons-2-1-4-release-sources-jar/org/springframework/cloud/client/discovery/EnableDiscoveryClientImportSelector.java
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- \* /opt/ws\_local/PERMITS\_SQL/1014221126\_1591897520.79/0/spring-cloud-commons-2-1-4-release-sources-jar/org/springframework/cloud/client/HostInfoEnvironmentPostProcessor.java
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\* /opt/ws\_local/PERMITS\_SQL/1014221126\_1591897520.79/0/spring-cloud-commons-2-1-4-release-sources-jar/org/springframework/cloud/commons/util/SpringFactoryImportSelector.java

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Found in path(s):

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\* /opt/ws\_local/PERMITS\_SQL/1014221952\_1591370586.83/0/javassist-3-18-2-ga-sources-jar/javassist/expr/NewExpr.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221952\_1591370586.83/0/javassist-3-18-2-ga-sources-jar/javassist/compiler/ast/InstanceOfExpr.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221952\_1591370586.83/0/javassist-3-18-2-ga-sources-jar/javassist/util/proxy/ProxyObjectInputStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221952\_1591370586.83/0/javassist-3-18-2-ga-sources-jar/javassist/compiler/ast/Expr.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221952\_1591370586.83/0/javassist-3-18-2-ga-sources-jar/javassist/Translator.java

\* /opt/ws\_local/PERMITS\_SQL/1014221952\_1591370586.83/0/javassist-3-18-2-ga-sources-jar/javassist/tools/reflect/CannotReflectException.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221952\_1591370586.83/0/javassist-3-18-2-ga-sources-jar/javassist/compiler/ast/CallExpr.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221952\_1591370586.83/0/javassist-3-18-2-ga-sources-jar/javassist/ClassPool.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221952\_1591370586.83/0/javassist-3-18-2-ga-sources-jar/javassist/expr/Expr.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221952\_1591370586.83/0/javassist-3-18-2-ga-sources-jar/javassist/bytecode/DuplicateMemberException.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221952\_1591370586.83/0/javassist-3-18-2-ga-sources-jar/javassist/util/proxy/SerializedProxy.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221952\_1591370586.83/0/javassist-3-18-2-ga-sources-jar/javassist/bytecode/analysis/Analyzer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221952\_1591370586.83/0/javassist-3-18-2-ga-sources-jar/javassist/bytecode/FieldInfo.java

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Maven Compat (<http://maven.apache.org/ref/3.2.5/maven-compat>) org.apache.maven:maven-compat:jar:3.2.5

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/maven-compat.license)

Maven Core (<http://maven.apache.org/ref/3.2.5/maven-core>) org.apache.maven:maven-core:jar:3.2.5

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/maven-core.license)

Maven Embedder (<http://maven.apache.org/ref/3.2.5/maven-embedder>) org.apache.maven:maven-embedder:jar:3.2.5

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/maven-

embedder.license)

Maven Model (<http://maven.apache.org/ref/3.2.5/maven-model>) org.apache.maven:maven-model:jar:3.2.5

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/maven-model.license)

Maven Model Builder (<http://maven.apache.org/ref/3.2.5/maven-model-builder>) org.apache.maven:maven-model-builder:jar:3.2.5

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/maven-model-builder.license)

Maven Plugin API (<http://maven.apache.org/ref/3.2.5/maven-plugin-api>) org.apache.maven:maven-plugin-api:jar:3.2.5

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/maven-plugin-api.license)

Maven Repository Metadata Model (<http://maven.apache.org/ref/3.2.5/maven-repository-metadata>) org.apache.maven:maven-repository-metadata:jar:3.2.5

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/maven-repository-metadata.license)

Maven Settings (<http://maven.apache.org/ref/3.2.5/maven-settings>) org.apache.maven:maven-settings:jar:3.2.5

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/maven-settings.license)

Maven Settings Builder (<http://maven.apache.org/ref/3.2.5/maven-settings-builder>) org.apache.maven:maven-settings-builder:jar:3.2.5

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/maven-settings-builder.license)

Apache Maven Wagon :: Providers :: File Provider (<http://maven.apache.org/wagon/wagon-providers/wagon-file>) org.apache.maven.wagon:wagon-file:jar:2.8

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/wagon-file.license)

Apache Maven Wagon :: Providers :: HTTP Provider (<http://maven.apache.org/wagon/wagon-providers/wagon-http>) org.apache.maven.wagon:wagon-http:jar:2.8

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/wagon-http.license)

Apache Maven Wagon :: Providers :: HTTP Shared Library (<http://maven.apache.org/wagon/wagon-providers/wagon-http-shared>) org.apache.maven.wagon:wagon-http-shared:jar:2.8

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/wagon-http-shared.license)

Apache Maven Wagon :: API (<http://maven.apache.org/wagon/wagon-provider-api>) org.apache.maven.wagon:wagon-provider-api:jar:2.8

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/wagon-provider-api.license)

Aether API (<http://www.eclipse.org/aether/aether-api/>) org.eclipse.aether:aether-api:jar:1.0.0.v20140518  
License: Eclipse Public License, Version 1.0 <http://www.eclipse.org/legal/epl-v10.html> (lib/aether-api.license)

Aether Connector Basic (<http://www.eclipse.org/aether/aether-connector-basic/>) org.eclipse.aether:aether-connector-basic:jar:1.0.0.v20140518  
License: Eclipse Public License, Version 1.0 <http://www.eclipse.org/legal/epl-v10.html> (lib/aether-connector-basic.license)

Aether Implementation (<http://www.eclipse.org/aether/aether-impl/>) org.eclipse.aether:aether-impl:jar:1.0.0.v20140518  
License: Eclipse Public License, Version 1.0 <http://www.eclipse.org/legal/epl-v10.html> (lib/aether-impl.license)

Aether SPI (<http://www.eclipse.org/aether/aether-spi/>) org.eclipse.aether:aether-spi:jar:1.0.0.v20140518  
License: Eclipse Public License, Version 1.0 <http://www.eclipse.org/legal/epl-v10.html> (lib/aether-spi.license)

Aether Transport Wagon (<http://www.eclipse.org/aether/aether-transport-wagon/>) org.eclipse.aether:aether-transport-wagon:jar:1.0.0.v20140518  
License: Eclipse Public License, Version 1.0 <http://www.eclipse.org/legal/epl-v10.html> (lib/aether-transport-wagon.license)

Aether Utilities (<http://www.eclipse.org/aether/aether-util/>) org.eclipse.aether:aether-util:jar:1.0.0.v20140518  
License: Eclipse Public License, Version 1.0 <http://www.eclipse.org/legal/epl-v10.html> (lib/aether-util.license)

org.eclipse.sisu.inject (<http://www.eclipse.org/sisu/org.eclipse.sisu.inject/>)  
org.eclipse.sisu:org.eclipse.sisu.inject:eclipse-plugin:0.3.0.M1  
License: Eclipse Public License, Version 1.0 <http://www.eclipse.org/legal/epl-v10.html>  
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org.eclipse.sisu.plexus (<http://www.eclipse.org/sisu/org.eclipse.sisu.plexus/>)  
org.eclipse.sisu:org.eclipse.sisu.plexus:eclipse-plugin:0.3.0.M1  
License: Eclipse Public License, Version 1.0 <http://www.eclipse.org/legal/epl-v10.html>  
(lib/org.eclipse.sisu.plexus.license)

jsoup (<http://jsoup.org/>) org.jsoup:jsoup:jar:1.7.2  
License: The MIT License <http://jsoup.com/license> (lib/jsoup.license)

SLF4J API Module (<http://www.slf4j.org>) org.slf4j:slf4j-api:jar:1.7.5  
License: MIT License <http://www.opensource.org/licenses/mit-license.php> (lib/slf4j-api.license)

SLF4J Simple Binding (<http://www.slf4j.org>) org.slf4j:slf4j-simple:jar:1.7.5  
License: MIT License <http://www.opensource.org/licenses/mit-license.php> (lib/slf4j-simple.license)

Plexus Cipher: encryption/decryption Component (<http://spice.sonatype.org/plexus-cipher>)  
org.sonatype.plexus:plexus-cipher:jar:1.7  
License: Apache Public License 2.0 <http://www.apache.org/licenses/LICENSE-2.0> (lib/plexus-cipher.license)

Plexus Security Dispatcher Component (<http://spice.sonatype.org/plexus-sec-dispatcher>)  
org.sonatype.plexus:plexus-sec-dispatcher:jar:1.3

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```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML+RDFa 1.0//EN"
"http://www.w3.org/MarkUp/DTD/xhtml-rdfa-1.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" version="XHTML+RDFa 1.0" dir="ltr">

<head profile="http://www.w3.org/1999/xhtml/vocab">
  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
  <link rel="shortcut icon" href="http://opensource.org/files/garland_favicon.png" type="image/png" />
  <link rel="shortlink" href="/node/66" />
  <link rel="canonical" href="/licenses/MIT" />
  <meta name="Generator" content="Drupal 7 (http://drupal.org)" />
  <title>The MIT License (MIT) | Open Source Initiative</title>
  <link type="text/css" rel="stylesheet" href="http://opensource.org/files/css/css_xE-rWrJf-
fncB6ztZfd2huxqgxu4WO-qwma6Xer30m4.css" media="all" />
  <link type="text/css" rel="stylesheet" href="http://opensource.org/files/css/css_2ATB4XKGEvmoUk_p62PwI-
o2aW47EqqS0nD2dmPZoV4.css" media="all" />
  <link type="text/css" rel="stylesheet" href="http://opensource.org/files/css/css_2wI77kyP-
rJKVpFW5M3KFcj7Cb99lZalmubKIwWwsmU.css" media="all" />
  <link type="text/css" rel="stylesheet"
href="http://opensource.org/files/css/css_k3snrbsthqot7V7ccRZHS9OkCZkwBv4adtNieIVlbeU.css" media="print"
/>

  <!--[if lt IE 7]>
  <link type="text/css" rel="stylesheet" href="http://opensource.org/themes/garland/fix-ie.css?fnb7pm" media="all"
  />
  <![endif]-->
  <script type="text/javascript"
src="http://opensource.org/files/js/js_xAPI0qIk9eowy_is9tNkCWXLUVoat94SQT48UBCFkyQ.js"></script>
  <script type="text/javascript">
  <!--/--><![CDATA[//><!--
jQuery.extend(Drupal.settings,
  {"basePath":"\/","pathPrefix":"","ajaxPageState":{"theme":"garland","theme_token":"meUjjBBfr6QFJv5kp0oKi152
l673C3xJMLGIQzbH9g0"},"js":{"misc\/jquery.js":1,"misc\/jquery.once.js":1,"misc\/drupal.js":1},"css":{"modules\/s
ystem\/system.base.css":1,"modules\/system\/system.menus.css":1,"modules\/system\/system.messages.css":1,"mod
ules\/system\/system.theme.css":1,"modules\/aggregator\/aggregator.css":1,"modules\/comment\/comment.css":1,"m
odules\/field\/theme\/field.css":1,"sites\/all\/modules\/mollom\/mollom.css":1,"modules\/node\/node.css":1,"modules
\/search\/search.css":1,"modules\/user\/user.css":1,"themes\/garland\/style.css":1,"themes\/garland\/print.css":1,"the
mes\/garland\/fix-ie.css":1}}});
  /--><![]]>
</script>
</head>
<body class="html not-front not-logged-in one-sidebar sidebar-first page-node page-node- page-node-66 node-type-
page fluid-width" >
  <div id="skip-link">
    <a href="#main-content" class="element-invisible element-focusable">Skip to main content</a>
  </div>
```

```

<div id="wrapper">
  <div id="container" class="clearfix">

    <div id="header">
      <div id="logo-floater">
        <div id="branding"><strong><a href="/">
          
          <span>Open Source Initiative</span>      </a></strong></div>
        </div>

      </div> <!-- /#header -->

      <div id="sidebar-first" class="sidebar">
        <div class="region region-sidebar-first">
          <div id="block-search-form" class="block block-search clearfix">

            <h2 class="title">Search this site:</h2>

            <div class="content">
              <form action="/licenses/mit-license.php" method="post" id="search-block-form" accept-charset="UTF-
8"><div><div class="container-inline">
                <div class="form-item form-type-textfield form-item-search-block-form">
                  <label class="element-invisible" for="edit-search-block-form--2">Search </label>
                  <input title="Enter the terms you wish to search for." type="text" id="edit-search-block-form--2"
name="search_block_form" value="" size="15" maxlength="128" class="form-text" />
                </div>
                <div class="form-actions form-wrapper" id="edit-actions"><input type="submit" id="edit-submit" name="op"
value="Search" class="form-submit" /></div><input type="hidden" name="form_build_id" value="form-
MyBqFtDvdzOmaSnCHKIG9yhm0ofMr7fNMG5Vy76N_uk" />
                <input type="hidden" name="form_id" value="search_block_form" />
              </div>
            </div></form> </div>
          </div>
          <div id="block-system-navigation" class="block block-system block-menu clearfix">

            <h2 class="title">Navigation</h2>

            <div class="content">
              <ul class="menu"><li class="first collapsed"><a href="/about" title="About the Open Source Initiative">About
the OSI</a></li>
                <li class="collapsed"><a href="/osd" title="The actual OSD defining what constitutes an Open Source licence">The
Open Source Definition</a></li>
                <li class="collapsed"><a href="/licenses">Open Source Licenses</a></li>
                <li class="leaf"><a href="/working_groups">Working Groups</a></li>
                <li class="leaf"><a href="/faq" title="Frequently Asked Questions about open source and about the
OSI.">FAQ</a></li>
                <li class="collapsed"><a href="/trademark" title="Information about trademark and logo usage">Trademark and

```



```

Logo Usage</a></li>
<li class="collapsed"><a href="/osr-intro" title="Open Standards Requirement for Software">Open
Standards</a></li>
<li class="leaf"><a href="/osi-open-source-education" title="OSI&#039;s Open Source Education Initiative and
Activities">Open Source Education</a></li>
<li class="collapsed"><a href="/lists" title="The virtual committees where the OSI&#039;s work gets
done">Mailing lists</a></li>
<li class="collapsed"><a href="/help" title="Resources for questions and further exploration">Getting
Help</a></li>
<li class="collapsed"><a href="http://opensource.org/donate" title="">Donate to the OSI</a></li>
<li class="leaf"><a href="/members">OSI Individual Membership</a></li>
<li class="leaf"><a href="/store">OSI Store</a></li>
<li class="collapsed"><a href="/affiliates" title="Home page for OSI&#039;s membership scheme for non-profits
and not-for-profits">OSI Affiliate Membership</a></li>
<li class="leaf"><a href="/contact" title="">Contact OSI</a></li>
<li class="leaf"><a href="/ToS" title="Rules for posting content on this site">Terms of Service</a></li>
<li class="last leaf"><a href="/support">OSI Corporate Support</a></li>
</ul> </div>
</div>
</div>
</div>

```

```

<div id="center"><div id="squeeze"><div class="right-corner"><div class="left-corner">
<h2 class="element-invisible">You are here</h2><div class="breadcrumb"><a href="/">Home</a></div>
<a id="main-content"></a>
<div id="tabs-wrapper" class="clearfix">
<h1 class="with-tabs">The MIT License
(MIT)</h1>
</div>
<div class="clearfix">
<div class="region region-content">
<div id="block-system-main" class="block block-system clearfix">

```

```

<div class="content">
<div id="node-66" class="node node-page">

```

```

<div class="content clearfix">

<div class="field field-name-body field-type-text-with-summary field-label-hidden"><div class="field-
items"><div class="field-item even"><p>The MIT License (MIT)</p>
<p>Copyright (c) &lt;year&gt; &lt;copyright holders&gt;</p>
<p>Permission is hereby granted, free of charge, to any person obtaining a copy<br />
of this software and associated documentation files (the "Software"), to deal<br />
in the Software without restriction, including without limitation the rights<br />

```

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href="http://creativecommons.org/licenses/by/4.0/">Creative Commons Attribution 4.0 International License</a>.<!-- /Creative Commons License -->

```
<!-- <rdf:RDF xmlns="http://web.resource.org/cc/" xmlns:dc="http://purl.org/dc/elements/1.1/"
xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#" xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#">
  <Work rdf:about="">
    <license rdf:resource="http://creativecommons.org/licenses/by/3.0/" />
  </Work>
  <License rdf:about="http://creativecommons.org/licenses/by/3.0/"><permits
rdf:resource="http://web.resource.org/cc/Reproduction"/><permits
rdf:resource="http://web.resource.org/cc/Distribution"/><requires
rdf:resource="http://web.resource.org/cc/Notice"/><requires
rdf:resource="http://web.resource.org/cc/Attribution"/><permits
rdf:resource="http://web.resource.org/cc/DerivativeWorks"/></License></rdf:RDF>
-->
```

| <a href="..ToS">Terms of Service</a>

```
</p>
</div>
</div>
<div id="block-block-7" class="block block-block clearfix">
```

```
<div class="content">
  <script src="http://www.google-analytics.com/urchin.js" type="text/javascript">
<!--/--><![CDATA[// ><!--
```

```
//--><![>
</script><script type="text/javascript">
<!--/--><![CDATA[// ><!--
```

```
_uacct = "UA-3916956-1";
urchinTracker();
```

```
//--><![>
</script> </div>
</div>
</div>
  </div></div></div></div> <!-- /.left-corner, /.right-corner, /#squeeze, /#center -->
```

```
</div> <!-- /#container -->
</div> <!-- /#wrapper -->
</body>
</html>
```

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```
=====  
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== in this case for the Gradle distribution.            ==  
=====
```

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```
<?xml version="1.0" encoding="ISO-8859-1" ?>
```

```
<!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">
```

```
<head>
```

```
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1" />
```

```
<title>Eclipse Public License - Version 1.0</title>
```

```
<style type="text/css">
```

```
body {
```

```
    size: 8.5in 11.0in;
```

```
    margin: 0.25in 0.5in 0.25in 0.5in;
```

```
    tab-interval: 0.5in;
```

```
}
```

```
p {
```

```
    margin-left: auto;
```

```
    margin-top: 0.5em;
```

```
    margin-bottom: 0.5em;
```

```
}
```

```
p.list {
```

```
    margin-left: 0.5in;
```

```
    margin-top: 0.05em;
```

```
    margin-bottom: 0.05em;
```

```
}
```

```
</style>
```

```
</head>
```

```
<body lang="EN-US">
```

```
<h2>Eclipse Public License - v 1.0</h2>
```

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</body>

</html>

<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">

<html lang="en">





</div>  
<div class="clear"></div>  
<div id="content" class="grid\_16"><div class="section-content"><p>Apache License<br><br>Version 2.0,  
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```
</pre></div></div></div>
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```
<div class="clear"></div>
```

```
</div>
```

```
<div id="footer" class="container_16">
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```
<div class="links grid_16">
```

```
<div class="grid_3">
```

```
<h4>Projects</h4>
```

```
<ul>
```

```
<li><a href="http://httpd.apache.org/" title="Apache Web Server (httpd)">HTTP Server</a></li>
```

```
<li><a href="http://abdera.apache.org/" title="Atom Publishing Protocol Implementation">Abdera</a></li>
```

```
<li><a href="http://accumulo.apache.org/" title="Sorted, distributed key/value store">Accumulo</a></li>
```

```
<li><a href="http://ace.apache.org/" title="Centralized life cycle management and deployment of OSGi based and related modular software artifacts for distribution.">ACE</a></li>
```

```
<li><a href="http://activemq.apache.org/" title="Distributed Messaging System">ActiveMQ</a></li>
```

- <li><a href="http://airavata.apache.org/" title="Workflow and Computational Job Management Middleware">Airavata</a></li>
- <li><a href="http://allura.apache.org/" title="Forge software for hosting software projects">Allura</a></li>
- <li><a href="http://ambari.apache.org/" title="Hadoop cluster management">Ambari</a></li>
- <li><a href="http://ant.apache.org/" title="Java-based build tool">Ant</a></li>
- <li><a href="http://any23.apache.org/" title="Anything to Triples">Any23</a></li>
- <li><a href="http://apr.apache.org/" title="Apache Portable Runtime libraries">APR</a></li>
- <li><a href="http://archiva.apache.org/" title="Build Artifact Repository Manager">Archiva</a></li>
- <li><a href="http://aries.apache.org/" title="Enterprise OSGi application programming model">Aries</a></li>
- <li><a href="http://avro.apache.org/" title="A Serialization System">Avro</a></li>
- <li><a href="http://axis.apache.org/" title="Java SOAP Engine">Axis</a></li>
- <li><a href="http://bigtop.apache.org/" title="Apache Hadoop ecosystem integration and distribution project">Bigtop</a></li>
- <li><a href="http://bloodhound.apache.org/" title="Issue tracking, wiki and repository browser">Bloodhound</a></li>
- <li><a href="http://buildr.apache.org/" title="Simple and intuitive build system for Java applications">Buildr</a></li>
- <li><a href="http://bval.apache.org/" title="Apache BVal: JSR-303 Bean Validation Implementation and Extensions">BVal</a></li>
- <li><a href="http://camel.apache.org/" title="Spring based Integration Framework which implements the Enterprise Integration Patterns">Camel</a></li>
- <li><a href="http://cassandra.apache.org/" title="Highly scalable second-generation distributed database">Cassandra</a></li>
- <li><a href="http://cayenne.apache.org/" title="User-friendly Java ORM with Tools">Cayenne</a></li>
- <li><a href="http://chemistry.apache.org/" title="CMIS (Content Management Interoperability Services) Clients and Servers">Chemistry</a></li>
- <li><a href="http://chukwa.apache.org/" title="Open source data collection system for monitoring large distributed systems.">Chukwa</a></li>
- <li><a href="http://clerezza.apache.org/" title="Semantically linked data for OSGi">Clerezza</a></li>
- <li><a href="http://cloudstack.apache.org/" title="Infrastructure as a Service solution">CloudStack</a></li>
- <li><a href="http://cocoon.apache.org/" title="Web development framework: separation of concerns, component-based">Cocoon</a></li>
- <li><a href="http://commons.apache.org/" title="Reusable Java components">Commons</a></li>
- <li><a href="http://continuum.apache.org/" title="Continuous Integration and Build Server">Continuum</a></li>
- <li><a href="http://cordova.apache.org/" title="Platform for building native mobile applications using HTML, CSS and JavaScript">Cordova</a></li>
- <li><a href="http://couchdb.apache.org/" title="RESTful document database">CouchDB</a></li>
- <li><a href="http://creadur.apache.org/" title="Comprehension and auditing of software distributions">Creadur</a></li>
- <li><a href="http://crunch.apache.org/" title="Simple and Efficient MapReduce Pipelines">Crunch</a></li>
- <li><a href="http://ctakes.apache.org/" title="Natural language processing (NLP) tool for information extraction from electronic medical record clinical free-text">cTAKES</a></li>
- <li><a href="http://curator.apache.org/" title="Java libraries that make using Apache ZooKeeper easier">Curator</a></li>
- <li><a href="http://cxf.apache.org/" title="Service Framework">CXF</a></li>
- <li><a href="http://db.apache.org/" title="Database access">DB</a></li>
- <li><a href="http://deltacloud.apache.org/" title="RESTful cloud management interface">Deltacloud</a></li>
- <li><a href="http://deltaspikes.apache.org/" title="Portable CDI extensions that provide useful features for Java">DeltaSpike</a></li>

- <li><a href="http://directmemory.apache.org/" title="An off-heap cache for the Java Virtual Machine">DirectMemory</a></li>
- <li><a href="http://directory.apache.org/" title="Apache Directory Server">Directory</a></li>
- <li><a href="http://empire-db.apache.org/" title="Relational Data Persistence">Empire-db</a></li>
- <li><a href="http://etch.apache.org/" title="Cross-platform, language- and transport-independent RPC-like messaging framework">Etch</a></li>
- <li><a href="http://felix.apache.org/" title="OSGi Framework and components.">Felix</a></li>
- <li><a href="http://flex.apache.org/" title="Application framework for expressive web applications that deploy to all major browsers, desktops and devices.">Flex</a></li>
- <li><a href="http://flume.apache.org/" title="A reliable service for efficiently collecting, aggregating, and moving large amounts of log data">Flume</a></li>
- <li><a href="http://forrest.apache.org/" title="Aggregated multi-channel documentation, separation of concerns">Forrest</a></li>
- <li><a href="http://geronimo.apache.org/" title="Java2, Enterprise Edition (J2EE) container">Geronimo</a></li>
- <li><a href="http://giraph.apache.org/" title="Iterative graph processing system built for high scalability">Giraph</a></li>
- <li><a href="http://gora.apache.org/" title="ORM framework for column stores such as Apache HBase and Apache Cassandra with a specific focus on Hadoop">Gora</a></li>
- <li><a href="http://gump.apache.org/" title="Continuous integration of open source projects">Gump</a></li>
- <li><a href="http://hadoop.apache.org/" title="Distributed computing platform">Hadoop</a></li>
- <li><a href="http://hama.apache.org/" title="a Bulk Synchronous Parallel computing framework on top of Hadoop">Hama</a></li>
- <li><a href="http://hbase.apache.org/" title="Hadoop Database">HBase</a></li>
- <li><a href="http://helix.apache.org/" title="A cluster management framework for partitioned and replicated distributed resources">Helix</a></li>
- <li><a href="http://hive.apache.org/" title="Data warehouse infrastructure using the Hadoop Database">Hive</a></li>
- <li><a href="http://hc.apache.org/" title="Java toolset of low level HTTP components">HttpComponents</a></li>
- <li><a href="http://isis.apache.org/" title="Framework for rapidly developing domain-driven apps in Java">Isis</a></li>
- <li><a href="http://jackrabbit.apache.org/" title="Content Repository for Java">Jackrabbit</a></li>
- <li><a href="http://james.apache.org/" title="Java Apache Mail Enterprise Server">James</a></li>
- <li><a href="http://jclouds.apache.org/" title="Java cloud APIs and abstractions">jclouds</a></li>
- <li><a href="http://jena.apache.org/" title="Java framework for building Semantic Web applications">Jena</a></li>
- <li><a href="http://jmeter.apache.org/" title="Java performance and functional testing">JMeter</a></li>
- <li><a href="http://jspwiki.apache.org/" title="Leading open source WikiWiki engine, feature-rich and built around standard J2EE components (Java, servlets, JSP). ">JSPWiki</a></li>
- <li><a href="http://juddi.apache.org/" title="Java implementation of the Universal Description, Discovery, and Integration specification">jUDDI</a></li>
- <li><a href="http://kafka.apache.org/" title="Distributed publish-subscribe messaging system">Kafka</a></li>
- <li><a href="http://karaf.apache.org/" title="Server-side OSGi distribution">Karaf</a></li>
- <li><a href="http://knox.apache.org/" title="Simplify and normalize the deployment and implementation of secure Hadoop clusters">Knox</a></li>
- <li><a href="http://lenya.apache.org/" title="Content Management System">Lenya</a></li>
- <li><a href="http://libcloud.apache.org/" title="Unified interface to the cloud">Libcloud</a></li>
- <li><a href="http://logging.apache.org/" title="Cross-language logging services">Logging</a></li>

- <li><a href="http://lucene.apache.org/" title="Search engine library">Lucene</a></li>
- <li><a href="http://lucenenet.apache.org/" title="Search engine library targeted at .NET runtime users.">Lucene.Net</a></li>
- <li><a href="http://lucy.apache.org/" title="Search engine library for dynamic languages">Lucy</a></li>
- <li><a href="http://mahout.apache.org/" title="Scalable machine learning library">Mahout</a></li>
- <li><a href="http://manifoldcf.apache.org/" title="Framework for connecting source content repositories to target repositories or indexes.">ManifoldCF</a></li>
- <li><a href="http://marmotta.apache.org/" title="An Open Platform for Linked Data">Marmotta</a></li>
- <li><a href="http://maven.apache.org/" title="Java project management and comprehension tools">Maven</a></li>
- <li><a href="http://mesos.apache.org/" title="a cluster manager that provides efficient resource isolation and sharing across distributed applications">Mesos</a></li>
- <li><a href="http://mina.apache.org/" title="Multipurpose Infrastructure for Network Application">MINA</a></li>
- <li><a href="http://mrunit.apache.org/" title="Java library that helps developers unit test Apache Hadoop map reduce jobs">MRUnit</a></li>
- <li><a href="http://myfaces.apache.org/" title="JavaServer(tm) Faces implementation and components">MyFaces</a></li>
- <li><a href="http://nutch.apache.org/" title="Open Source Web Search Software">Nutch</a></li>
- <li><a href="http://ode.apache.org/" title="Orchestration Director Engine: Business Process Management (BPM), Process Orchestration and Workflow through service composition.">ODE</a></li>
- <li><a href="http://ofbiz.apache.org/" title="Open for Business: enterprise automation software">OFBiz</a></li>
- <li><a href="http://olingo.apache.org/" title="OASIS OData protocol libraries">Olingo</a></li>
- <li><a href="http://oltu.apache.org/" title="OAuth protocol implementation in Java">Oltu</a></li>
- <li><a href="http://onami.apache.org/" title="Development and maintenance of a set of Google Guice extensions">Onami</a></li>
- <li><a href="http://oodt.apache.org/" title="Object Oriented Data Technology (middleware metadata)">OODT</a></li>
- <li><a href="http://oozie.apache.org/" title="A workflow scheduler system to manage Apache Hadoop jobs.">Oozie</a></li>
- <li><a href="http://climate.apache.org/" title="Climate model evaluation">Open Climate Workbench</a></li>
- <li><a href="http://openjpa.apache.org/" title="OpenJPA: Object Relational Mapping for Java">OpenJPA</a></li>
- <li><a href="http://openmeetings.apache.org/" title="OpenMeetings: Web-Conferencing and real-time collaboration">OpenMeetings</a></li>
- <li><a href="http://opennlp.apache.org/" title="Machine learning based toolkit for the processing of natural language text">OpenNLP</a></li>
- <li><a href="http://openoffice.apache.org/" title="An open-source, office-document productivity suite">OpenOffice</a></li>
- <li><a href="http://openwebbeans.apache.org/" title="OpenWebBeans: JSR-299 Context and Dependency Injection for Java EE Platform Implementation">OpenWebBeans</a></li>
- <li><a href="http://pdfbox.apache.org/" title="Java library for working with PDF documents">PDFBox</a></li>
- <li><a href="http://perl.apache.org/" title="Dynamic websites using Perl">Perl</a></li>
- <li><a href="http://pig.apache.org/" title="Platform for analyzing large data sets">Pig</a></li>
- <li><a href="http://pivot.apache.org/" title="Rich Internet applications in Java">Pivot</a></li>
- <li><a href="http://poi.apache.org/" title="Java API for OLE 2 Compound and OOXML Documents">POI</a></li>
- <li><a href="http://portals.apache.org/" title="Portal technology">Portals</a></li>
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<li><a href="http://spamassassin.apache.org/" title="Mail filter to identify spam">SpamAssassin</a></li>  
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<li><a href="http://stanbol.apache.org/" title="Reusable components for semantic content management">Stanbol</a></li>  
<li><a href="http://steve.apache.org/" title="Apache's Python based single transferable vote software system">STeVe</a></li>  
<li><a href="http://storm.apache.org/" title="Distributed, real-time computation system">Storm</a></li>  
<li><a href="http://struts.apache.org/" title="Model 2 framework for building Java web applications">Struts</a></li>  
<li><a href="http://subversion.apache.org/" title="Version Control">Subversion</a></li>  
<li><a href="http://synapse.apache.org/" title="Enterprise Service Bus and Mediation Framework">Synapse</a></li>  
<li><a href="http://syncope.apache.org/" title="Managing digital identities in enterprise environments">Syncope</a></li>  
<li><a href="http://tajo.apache.org/" title="Big data warehouse system on Hadoop">Tajo</a></li>  
<li><a href="http://tapestry.apache.org/" title="Component-based Java Web Application Framework">Tapestry</a></li>  
<li><a href="http://tcl.apache.org/" title="Dynamic websites using TCL">Tcl</a></li>  
<li><a href="http://tez.apache.org/" title="High-performance and scalable distributed data processing framework">Tez</a></li>  
<li><a href="http://thrift.apache.org/" title="Framework for scalable cross-language services development">Thrift</a></li>  
<li><a href="http://tika.apache.org/" title="Content Analysis and Detection Toolkit">Tika</a></li>  
<li><a href="http://tiles.apache.org/" title="A templating framework for web application user interfaces">Tiles</a></li>  
<li><a href="http://tomcat.apache.org/" title="A Java Servlet and JSP Container">Tomcat</a></li>  
<li><a href="http://tomee.apache.org/" title="Java EE Web Profile built on Tomcat">TomEE</a></li>  
<li><a href="http://trafficserver.apache.org/" title="A fast, scalable and extensible HTTP/1.1 compliant caching proxy server">Traffic Server</a></li>  
<li><a href="http://turbine.apache.org/" title="A Java Servlet Web Application Framework and associated component library">Turbine</a></li>  
<li><a href="http://tuscanys.apache.org/" title="An SCA based Service Composition Framework">Tuscany</a></li>  
<li><a href="http://uima.apache.org/" title="Framework and annotators for unstructured information analysis">UIMA</a></li>  
<li><a href="http://vcl.apache.org/" title="Virtual Computing Lab">VCL</a></li>  
<li><a href="http://velocity.apache.org/" title="A Java Templating Engine">Velocity</a></li>  
<li><a href="http://vxquery.apache.org/" title="A parallel XQuery processor">VXQuery</a></li>



- [Web Services](http://ws.apache.org/ "Projects related to Web Services")
- [Whirr](http://whirr.apache.org/ "Libraries for running Cloud Services")
- [Wicket](http://wicket.apache.org/ "Component-based Java Web Application Framework.")
- [Wink](http://wink.apache.org/ "RESTful Web services Framework")
- [Wookie](http://wookie.apache.org/ "Widgets for Applications")
- [Xalan](http://xalan.apache.org/ "XSLT processors in Java and C++")
- [Xerces](http://xerces.apache.org/ "XML parsers in Java, C++ and Perl")
- [XMLBeans](http://xmlbeans.apache.org/ "XML-Java binding tool")
- [XML Graphics](http://xmlgraphics.apache.org/ "Conversion from XML to graphical output")
- [ZooKeeper](http://zookeeper.apache.org/ "Centralized service for maintaining configuration information")

</ul>

</div>

<div class="grid\_3">

<h4>Foundation</h4>

<ul>

<li><a href="/foundation/faq.html">FAQ</a></li>

<li><a href="/foundation/glossary.html">Glossary</a></li>

<li><a href="/licenses/" title="Overview of the Apache Licenses">Licenses</a></li>

<li><a href="/foundation/marks/" title="Apache marks policies and listing">Trademarks</a></li>

<li><a href="/foundation/news.html" title="Official news feed of Foundation announcements">News</a></li>

<li><a href="/press/" title="Press, Media, and Analyst contact">Press Inquiries</a></li>

<li><a href="/foundation/records/" title="Formal corporate records and board meeting minutes">Public Records</a></li>

<li><a href="/foundation/maillinglists.html" title="Mailing lists and Apache">Mailing Lists</a></li>

<li><a href="/foundation/sponsorship.html" title="Sponsor the Foundation">Sponsorship</a></li>

<li><a href="/foundation/contributing.html" title="Donate to the Foundation">Donations</a></li>

<li><a href="/foundation/buy\_stuff.html" title="Buy Apache branded merchandise">Buy Stuff</a></li>

<li><a href="/foundation/thanks.html" title="Thank you to our Sponsors">Thanks</a></li>

<li><a href="/foundation/contact.html" title="Contact Us">Contact</a></li>

</ul>

</div>

<div class="grid\_3 suffix\_1">

<h4>Foundation Projects</h4>

<ul>

<li><a href="http://attic.apache.org/" title="Inactive projects repository">Attic</a></li>

<li><a href="/foundation/conferences.html" title="Meetings of developers and users">Conferences</a></li>

<li><a href="http://community.apache.org/" title="Helping newcomers to the ASF">Community Development</a></li>

<li><a href="http://incubator.apache.org/" title="Shepherd for new projects">Incubator</a></li>

<li><a href="/dev/" title="ASF Infrastructure: Operations and howto documents for PMCs and contributors">Infrastructure</a></li>

<li><a href="http://labs.apache.org/" title="The Innovation Laboratories of the Apache Software Foundation">Labs</a></li>

<li><a href="/legal/" title="Legal Affairs">Legal Affairs</a></li>

```
<li><a href="/press/" title="Public Relations">Public Relations</a></li>
<li><a href="/security/" title="Security">Security</a></li>
<li><a href="/travel/" title="Travel Assistance">Travel Assistance</a></li>
</ul>
</div>
```

```
<div class="grid_3">
<h4>Community</h4>
<ul>
<li><a href="http://people.apache.org/" title="Apache committer homepages">People</a></li>
<li><a href="/memorials/" title="In memoriam of past committers">Memorials</a></li>
<li><a href="http://feathercast.apache.org/" title="Apache Podcasts">Feathercast</a></li>
<li><a href="http://blogs.apache.org/" title="Apache Project Blogs">Project Blogs</a></li>
<li><a href="http://planet.apache.org/committers/" title="Apache Committers' Blogs">PlanetApache</a></li>
</ul>
</div>
```

```
<div class="grid_3">
<h4>How It Works</h4>
<ul>
<li><a href="/foundation/how-it-works.html">Introduction</a></li>
<li><a href="/foundation/how-it-works.html#meritocracy">Meritocracy</a></li>
<li><a href="/foundation/how-it-works.html#structure">Structure</a></li>
<li><a href="/foundation/how-it-works.html#roles">Roles</a></li>
<li><a href="/foundation/how-it-works.html#management">Collaboration</a></li>
<li><a href="/foundation/how-it-works.html#incubator">Incubator</a></li>
<li><a href="/foundation/how-it-works.html#other">Other entities</a></li>
<li><a href="/foundation/glossary.html">Glossary</a></li>
<li><a href="/foundation/voting.html">Voting</a></li>
</ul>
</div>
</div>
<div class="clear"></div>
```

```
</div>
<div id="copyright" class="container_16">
<p>Copyright © 1999-2012 The Apache Software Foundation, Licensed under the <a href="http://www.apache.org/licenses/LICENSE-2.0">Apache License, Version 2.0</a>. <br/> Apache and the Apache feather logo are trademarks of The Apache Software Foundation.</p>
```

```
</div>
</body>
</html>
<!DOCTYPE html>
<html>
<head>
<title>jsoup License</title>
<meta name="keywords" content="license, open source, mit">
<meta name="description" content="jsoup is licensed under the MIT open source license">
```

```

<link type="text/css" rel="stylesheet" href="/rez/style.css">
<script type="text/javascript">
  var _gaq = _gaq || [];
  _gaq.push(['_setAccount', 'UA-89734-10']);
  _gaq.push(['_setDomainName', 'jsoup.org']);
  _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 class="n1">
<div class="wrap">
<div class="header">
<div class="nav-sections">
<ul>
<li class="n1-home"><h4><a href="/">jsoup</a></h4></li>
<li class="n1-news"><a href="/news/">News</a></li>
<li class="n1-bugs"><a href="/bugs">Bugs</a></li>
<li class="n1-discussion"><a href="/discussion">Discussion</a></li>
<li class="n1-download"><a href="/download">Download</a></li>
<li class="n1-api"><a href="/apidocs/">API Reference</a></li>
<li class="n1-cookbook"><a href="/cookbook/">Cookbook</a></li>
<li class="n1-try"><a href="http://try.jsoup.org/">Try jsoup</a></li>
</ul>
</div>
</div>
<div class="breadcrumb">
<a href="/">jsoup</a>
<span class="seperator">&raquo;</span> jsoup License
</div>
<div class="content">
<div class="col1">
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```
</div>
<!-- /col1 -->
<div class="col2">
</div>
<!-- /col2 -->
</div>
<!-- /content-->
<div class="footer">
<b>jsoup HTML parser</b> &copy; 2009 - 2014
<a href="http://jhy.io/" rel="author"><b>Jonathan Hedley</b></a>
</div>
</div>
<!-- /wrap -->
<script src="/rez/prettify.js"></script>
<script>prettyPrint();</script>
</body>
</html>
```

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## 1.587 powermock-module-junit4-common

### 1.6.1

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```
* /opt/ws_local/PERMITS_SQL/1014221968_1591380994.4/0/powermock-module-junit4-common-1-6-1-sources-
jar/org/powermock/modules/junit4/common/internal/impl/AbstractCommonPowerMockRunner.java
* /opt/ws_local/PERMITS_SQL/1014221968_1591380994.4/0/powermock-module-junit4-common-1-6-1-sources-
jar/org/powermock/modules/junit4/common/internal/impl/PowerMockJUnit4RunListener.java
* /opt/ws_local/PERMITS_SQL/1014221968_1591380994.4/0/powermock-module-junit4-common-1-6-1-sources-
jar/org/powermock/modules/junit4/common/internal/PowerMockJUnitRunnerDelegate.java
* /opt/ws_local/PERMITS_SQL/1014221968_1591380994.4/0/powermock-module-junit4-common-1-6-1-sources-
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* /opt/ws_local/PERMITS_SQL/1014221968_1591380994.4/0/powermock-module-junit4-common-1-6-1-sources-
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```
* /opt/ws_local/PERMITS_SQL/1014221968_1591380994.4/0/powermock-module-junit4-common-1-6-1-sources-
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## 1.588 slf4j-log4j-12-binding 1.7.25

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 \* /opt/ws\_local/PERMITS\_SQL/1014221965\_1591383905.35/0/slf4j-log4j12-1-7-25-sources-jar/org/slf4j/impl/StaticMarkerBinder.java  
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 \* /opt/ws\_local/PERMITS\_SQL/1014221965\_1591383905.35/0/slf4j-log4j12-1-7-25-sources-jar/org/slf4j/impl/Log4jLoggerFactory.java  
 \* /opt/ws\_local/PERMITS\_SQL/1014221965\_1591383905.35/0/slf4j-log4j12-1-7-25-sources-jar/org/slf4j/impl/Log4jMDCAdapter.java  
 \* /opt/ws\_local/PERMITS\_SQL/1014221965\_1591383905.35/0/slf4j-log4j12-1-7-25-sources-jar/org/slf4j/impl/StaticLoggerBinder.java

## 1.589 apache-httpmime 4.2.3

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\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-  
jar/io/grpc/netty/InternalHandlerSettings.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-  
jar/io/grpc/netty/GracefulCloseCommand.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-  
jar/io/grpc/netty/NettyHandlerSettings.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-  
jar/io/grpc/netty/InternalNettyChannelBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-  
jar/io/grpc/netty/HandlerSettings.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-  
jar/io/grpc/netty/GrpcHttp2OutboundHeaders.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-  
jar/io/grpc/netty/AbstractHttp2Headers.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-  
jar/io/grpc/netty/StreamIdHolder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-  
jar/io/grpc/netty/ForcefulCloseCommand.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-  
jar/io/grpc/netty/ClientTransportLifecycleManager.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-  
jar/io/grpc/netty/InternalNettyServerBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-  
jar/io/grpc/netty/GrpcHttp2ConnectionHandler.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-jar/io/grpc/netty/NettyReadableBuffer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-jar/io/grpc/netty/Utils.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-jar/io/grpc/netty/SendResponseHeadersCommand.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-jar/io/grpc/netty/NegotiationType.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-jar/io/grpc/netty/NettyClientTransport.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-jar/io/grpc/netty/NettyServer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-jar/io/grpc/netty/SendGrpcFrameCommand.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-jar/io/grpc/netty/NettyClientHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-jar/io/grpc/netty/CancelClientStreamCommand.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-jar/io/grpc/netty/NettyServerStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-jar/io/grpc/netty/NettyServerHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-jar/io/grpc/netty/NettyServerTransport.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-jar/io/grpc/netty/NettyServerBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-jar/io/grpc/netty/NettyChannelBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221947\_1591365907.69/0/grpc-netty-1-9-0-sources-jar/io/grpc/netty/CreateStreamCommand.java

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*/opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/buffer/PooledHeapByteBuf.java
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jar/io/netty/util/internal/ThreadLocalRandom.java
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* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/handler/codec/http2/DecoratingHttp2ConnectionEncoder.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/handler/codec/ValueConverter.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/handler/codec/http2/DecoratingHttp2ConnectionDecoder.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/handler/codec/http2/StreamBufferingEncoder.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/handler/codec/http2/DecoratingHttp2FrameWriter.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/handler/codec/http2/WeightedFairQueueByteDistributor.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/handler/codec/http2/Http2PromisedRequestVerifier.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/handler/codec/http2/InboundHttp2ToHttpAdapterBuilder.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/handler/codec/http2/StreamByteDistributor.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/handler/codec/http2/Http2StreamVisitor.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/handler/codec/DefaultHeadersImpl.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/util/ByteProcessor.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/channel/CoalescingBufferQueue.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/util/internal/MathUtil.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/handler/codec/http2/UniformStreamByteDistributor.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
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jar/io/netty/handler/codec/CharSequenceValueConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/http2/AbstractInboundHttp2ToHttpAdapterBuilder.java  
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jar/io/netty/util/internal/logging/FormattingTuple.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/internal/logging/MessageFormatter.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/http/cors/OkResponseHandler.java

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jar/io/netty/handler/codec/http/cors/CorsHandler.java

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jar/io/netty/example/http2/helloworld/server/HelloWorldHttp2Handler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/http2/Http2ConnectionEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/http2/Http2Flags.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/DefaultHeaders.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/http2/Http2LifecycleManager.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/http2/Http2Settings.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/http2/Http2RemoteFlowController.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/util/collection/ShortObjectMap.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/example/http2/helloworld/client/Http2Client.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/util/collection/LongCollections.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/http2/Http2Headers.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/http2/DefaultHttp2RemoteFlowController.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/http2/Http2ClientUpgradeCodec.java

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jar/io/netty/handler/codec/http/HttpServerUpgradeHandler.java



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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/Http2CodecUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/Http2Connection.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/collection/ByteObjectMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/http2/helloworld/server/Http2OrHttpHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/collection/IntCollections.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/HttpToHttp2ConnectionHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/Http2LocalFlowController.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/Http2FrameWriter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/Http2Stream.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/Http2FrameReader.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/Http2FlowController.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/DelegatingDecompressorFrameListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/EmptyHeaders.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/mqtt/MqttQoS.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/Http2FrameTypes.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/Http2NoMoreStreamIdsException.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/HttpClientUpgradeHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/DefaultHttp2LocalFlowController.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/DefaultHttp2Headers.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/http2/helloworld/client/Http2SettingsHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/internal/ObjectUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/Http2FrameListenerDecorator.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/http2/helloworld/client/HttpResponseHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/http2/helloworld/client/HttpClientInitializer.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/Http2HeadersDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/DefaultHttp2ConnectionEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/http2/Http2ExampleUtil.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/DefaultHttp2HeadersEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/collection/CharObjectMap.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/collection/ByteObjectHashMap.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/collection/CharObjectHashMap.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/DefaultHttp2HeadersDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/Http2DataWriter.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/collection/ByteCollections.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/EmptyHttp2Headers.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/Http2HeadersEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/Http2ConnectionHandler.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/collection/ShortCollections.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/collection/IntObjectMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/Http2EventAdapter.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/collection/CharCollections.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/Http2Exception.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/Http2ConnectionAdapter.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/Http2Error.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/collection/ShortObjectHashMap.java

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jar/io/netty/channel/AbstractCoalescingBufferQueue.java  
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*/  
/**  
 * Set the {@code TCP_MD5SIG} option on the socket. See {@code linux/tcp.h} for more details.  
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.  
 * Allowing them being read would mean anyone with access to the channel could get them.  
 */
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jar/io/netty/handler/ssl/OpenSslSessionContext.java  
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jar/io/netty/channel/ChannelFactory.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/socksx/v5/Socks5CommandRequestDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/ssl/OpenSslServerContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/compression/Bzip2BitWriter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/compression/Bzip2HuffmanAllocator.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/mqtt/MqttSubscribePayload.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/haproxy/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/compression/SnappyFramedEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/compression/LzfDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/http2/Http2InboundFrameLogger.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/xml/XmlSpace.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/DecoderResultProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-



jar/io/netty/handler/codec/mqtt/MqttUnsubAckMessage.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/ssl/ApplicationProtocolUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/http/ClientCookieEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/xml/XmlCharacters.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/ssl/JdkSslServerContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
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jar/io/netty/handler/codec/compression/Bzip2HuffmanStageDecoder.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/util/internal/IntegerHolder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/example/http2/helloworld/server/Http2ServerInitializer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
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jar/io/netty/resolver/dns/DnsQueryContext.java  
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jar/io/netty/handler/proxy/Socks4ProxyHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/example/spdy/client/SpdyClient.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/xml/XmlElement.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/spdy/SpdyHeaderBlockRawDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/ssl/OpenSslEngine.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/example/spdy/client/HttpResponseClientHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/xml/XmlProcessingInstruction.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/mqtt/MqttTopicSubscription.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/example/spdy/server/SpdyServerInitializer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/ssl/JettyNpnSslEngine.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/ssl/OpenSslDefaultApplicationProtocolNegotiator.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/util/concurrent/PromiseNotifier.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/mqtt/MqttFixedHeader.java  
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jar/io/netty/channel/rxtx/RxtxChannelOption.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/channel/sctp/SctpChannelOption.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/rxtx/RxtxChannelConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/udt/UdtServerChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/rxtx/RxtxChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/rxtx/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/rxtx/DefaultRxtxChannelConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/rxtx/RxtxDeviceAddress.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/oio/OioByteStreamChannel.java

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* License for the specific language governing permissions and limitations
* under the License.
*/
/**
 * Set the { @code TCP_MD5SIG } option on the socket. See { @code linux/tcp.h } for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
 */
/**
 * Set the { @code TCP_QUICKACK } option on the socket. See <a
href="http://linux.die.net/man/7/tcp">TCP_QUICKACK</a>
 * for more details.
 */

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/channel/epoll/EpollSocketChannelConfig.java

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- \* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/internal/tcnative/Buffer.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/internal/tcnative/SSLContext.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/internal/tcnative/SSL.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/internal/tcnative/Library.java

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- \* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/META-INF/maven/io.netty/netty-all/pom.xml

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* under the License.
*/
/*
* Written by Robert Harder and released to the public domain, as explained at
* http://creativecommons.org/licenses/publicdomain
*/
/**
* Enumeration of supported Base64 dialects.
* <p>
* The internal lookup tables in this class has been derived from
* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
* Base64 Encoder/Decoder</a>.
*/
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/handler/codec/base64/Base64Dialect.java
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* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/example/udt/echo/rendezvous/MsgEchoPeerTwo.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/handler/codec/http/HttpVersion.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker00.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/buffer/AbstractByteBufAllocator.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/handler/codec/spdy/SpdyHttpHeaders.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/handler/codec/spdy/package-info.java
```

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/http/file/HttpStaticFileServerInitializer.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/serialization/ObjectEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/EventLoopException.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/compression/CompressionException.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/ChannelConfig.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/rtsp/RtspResponseEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/multipart/InternalAttribute.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/udt/echo/rendezvous/MsgEchoPeerBase.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/Constant.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/socks/SocksCmdResponseDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/bytes/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/socket/InternetProtocolFamily.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/securechat/SecureChatServerHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/FixedRecvByteBufAllocator.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/SingleThreadEventLoop.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/buffer/PoolArena.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/ChannelDuplexHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/udt/echo/message/MsgEchoServer.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/LastHttpContent.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/string/StringDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/HttpResponse.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/internal/logging/InternalLoggerFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/marshalling/MarshallerProvider.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/ChannelInboundHandlerAdapter.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/multipart/DefaultHttpDataFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/DefaultCookie.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/factorial/FactorialClientHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/buffer/PoolThreadCache.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/oio/AbstractOioByteChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/Delimiters.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/DefaultHttpRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/HttpContentDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/ThreadPerChannelEventLoopGroup.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/ChannelFuture.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/factorial/FactorialServer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/socket/SocketChannelConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/DefaultHttpObject.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/socksproxy/DirectClientHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/socks/SocksInitRequestDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/ChannelPromiseNotifier.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/concurrent/EventExecutor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/AttributeKey.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/discard/DiscardClient.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/echo/EchoServer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/proxy/HexDumpProxyBackendHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/socket/oio/OioDatagramChannel.java



\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/buffer/CompositeByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/concurrent/MultithreadEventExecutorGroup.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/socksx/v4/Socks4CommandRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/oio/OioEventLoopGroup.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/HttpHeaders.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/compression/JZlibDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/HttpObject.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/socks/UnknownSocksRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/buffer/PooledDirectByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/buffer/ReadOnlyByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/concurrent/DefaultEventExecutorGroup.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/udt/echo/message/MsgEchoClient.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/socksx/v4/DefaultSocks4CommandRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/compression/SnappyFrameEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/EventLoop.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker07.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/TooLongFrameException.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/Cookie.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/FileRegion.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/ChannelFutureListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/compression/ZlibWrapper.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/socksx/v5/DefaultSocks5PasswordAuthRequest.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/multipart/Attribute.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/nio/NioEventLoop.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/udt/echo/message/package-info.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/concurrent/GlobalEventExecutor.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/udt/echo/rendezvousBytes/ByteEchoPeerHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/DefaultChannelConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/udt/echo/bytes/ByteEchoClientHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/Timer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/http/upload/HttpUploadServer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/HashedWheelTimer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/internal/SystemPropertyUtil.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/ReplayingDecoderByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/websocketx/WebSocket00FrameDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/serialization/CompatibleObjectEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/socksproxy/SocksServerInitializer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/ChannelPipelineException.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/worldclock/WorldClockClient.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/ChannelOutboundHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/local/LocalServerChannel.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/HttpServerCodec.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/socket/DatagramPacket.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/http/file/HttpStaticFileServerHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/spdy/SpdyHttpResponseStreamIdHandler.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/udt/echo/rendezvousBytes/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/socket/ServerSocketChannel.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/http/snoop/HttpSnoopServerHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/stream/ChunkedNioStream.java  
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- \* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/IllegalReferenceCountException.java
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- \* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/factorial/NumberEncoder.java
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- \* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/DefaultFileRegion.java
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/worldclock/WorldClockClientInitializer.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/localecho/LocalEcho.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/http/cors/HttpCorsServer.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/telnet/TelnetClientHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/discard/DiscardServerHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker08.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/multipart/HttpPostStandardRequestDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/socket/nio/ProtocolFamilyConverter.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/base64/Base64Encoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/bootstrap/package-info.java



\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/ChannelPromiseAggregator.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/compression/ZlibDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/serialization/CompactObjectInputStream.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/DefaultChannelPromise.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/worldclock/WorldClockClientHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/objectecho/ObjectEchoServer.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/socks/SocksAuthResponseDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/HttpRequestEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/string/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/local/LocalEventLoopGroup.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/portunification/PortUnificationServer.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/MultithreadEventLoopGroup.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/socks/SocksCmdResponse.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/DefaultEventLoop.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/socksx/v4/Socks4CommandStatus.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/internal/logging/Slf4JLogger.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/socket/ServerSocketChannelConfig.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/AbstractConstant.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/HttpContentCompressor.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/ByteToMessageCodec.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/logging/LoggingHandler.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/stream/package-info.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/sctp/SctpEchoClient.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/HTTPHeaderDateFormat.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/CookieDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/http/snoop/HttpSnoopClient.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/nio/NioEventLoopGroup.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/marshalling/CompatibleMarshallingEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/CharsetUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/local/LocalChannel.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/concurrent/BlockingOperationException.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/socksx/v5/DefaultSocks5CommandResponse.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/ByteToMessageDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/websocketx/CloseWebSocketFrame.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/multipart/AbstractHttpData.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/objectecho/ObjectEchoServerHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http/multipart/AbstractMemoryHttpData.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/concurrent/SucceededFuture.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/securechat/SecureChatClientHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/udt/echo/rendezvousBytes/ByteEchoPeerBase.java

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// <https://tools.ietf.org/html/rfc7540#section-8.1.2.2> makes a special exception for TE

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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/HttpConversionUtil.java

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 */
/**
 * A decoder that splits the received {@link ByteBuf}s dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
 * length of the message body or the whole message.
 *
 * <p>
 * {@link LengthFieldBasedFrameDecoder} has many configuration parameters so
 * that it can decode any message with a length field, which is often seen in
 * proprietary client-server protocols. Here are some example that will give
 * you the basic idea on which option does what.
 *
 * <h3>2 bytes length field at offset 0, do not strip header</h3>
 *
 * The value of the length field in this example is <tt>12 (0x0C)</tt> which
 * represents the length of "HELLO, WORLD". By default, the decoder assumes
 * that the length field represents the number of the bytes that follows the
 * length field. Therefore, it can be decoded with the simplistic parameter
 * combination.
 *
 * <pre>
 * <b>lengthFieldOffset</b> = <b>0</b>
 * <b>lengthFieldLength</b> = <b>2</b>
 * lengthAdjustment = 0
 * initialBytesToStrip = 0 (= do not strip header)
 *
 * BEFORE DECODE (14 bytes)    AFTER DECODE (14 bytes)
 * +-----+-----+ +-----+-----+
 * | Length | Actual Content |---->| Length | Actual Content |
 * | 0x000C | "HELLO, WORLD" |   | 0x000C | "HELLO, WORLD" |
 * +-----+-----+ +-----+-----+
 * </pre>
 */
```

```

* <h3>2 bytes length field at offset 0, strip header</h3>
*
* Because we can get the length of the content by calling
* { @link ByteBuf#readableBytes() }, you might want to strip the length
* field by specifying <tt>initialBytesToStrip</tt>. In this example, we
* specified <tt>2</tt>, that is same with the length of the length field, to
* strip the first two bytes.
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* lengthAdjustment = 0
* <b>initialBytesToStrip</b> = <b>2</b> (= the length of the Length field)
*
* BEFORE DECODE (14 bytes)    AFTER DECODE (12 bytes)
* +-----+-----+ +-----+
* | Length | Actual Content |---->| Actual Content |
* | 0x000C | "HELLO, WORLD" |   | "HELLO, WORLD" |
* +-----+-----+ +-----+
* </pre>
*
* <h3>2 bytes length field at offset 0, do not strip header, the length field
* represents the length of the whole message</h3>
*
* In most cases, the length field represents the length of the message body
* only, as shown in the previous examples. However, in some protocols, the
* length field represents the length of the whole message, including the
* message header. In such a case, we specify a non-zero
* <tt>lengthAdjustment</tt>. Because the length value in this example message
* is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>
* as <tt>lengthAdjustment</tt> for compensation.
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-2</b> (= the length of the Length field)
* initialBytesToStrip = 0
*
* BEFORE DECODE (14 bytes)    AFTER DECODE (14 bytes)
* +-----+-----+ +-----+-----+
* | Length | Actual Content |---->| Length | Actual Content |
* | 0x000E | "HELLO, WORLD" |   | 0x000E | "HELLO, WORLD" |
* +-----+-----+ +-----+-----+
* </pre>
*
* <h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>
*
* The following message is a simple variation of the first example. An extra
* header value is prepended to the message. <tt>lengthAdjustment</tt> is zero
* again because the decoder always takes the length of the prepended data into

```

```

* account during frame length calculation.
* <pre>
* <b>lengthFieldOffset</b> = <b>2</b> (= the length of Header 1)
* <b>lengthFieldLength</b> = <b>3</b>
* lengthAdjustment = 0
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)          AFTER DECODE (17 bytes)
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* | Header 1 | Length | Actual Content |----->| Header 1 | Length | Actual Content |
* | 0xCAFE | 0x00000C | "HELLO, WORLD" | | 0xCAFE | 0x00000C | "HELLO, WORLD" |
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* </pre>
*
* <h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>
*
* This is an advanced example that shows the case where there is an extra
* header between the length field and the message body. You have to specify a
* positive <tt>lengthAdjustment</tt> so that the decoder counts the extra
* header into the frame length calculation.
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 3
* <b>lengthAdjustment</b> = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)          AFTER DECODE (17 bytes)
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* | Length | Header 1 | Actual Content |----->| Length | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE | "HELLO, WORLD" | | 0x00000C | 0xCAFE | "HELLO, WORLD" |
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field</h3>
*
* This is a combination of all the examples above. There are the prepended
* header before the length field and the extra header after the length field.
* The prepended header affects the <tt>lengthFieldOffset</tt> and the extra
* header affects the <tt>lengthAdjustment</tt>. We also specified a non-zero
* <tt>initialBytesToStrip</tt> to strip the length field and the prepended
* header from the frame. If you don't want to strip the prepended header, you
* could specify <tt>0</tt> for <tt>initialBytesToSkip</tt>.
* <pre>
* lengthFieldOffset = 1 (= the length of HDR1)
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)

```



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*
* BEFORE DECODE (16 bytes)                AFTER DECODE (13 bytes)
* +-----+-----+-----+-----+-----+ +-----+-----+
* | HDR1 | Length | HDR2 | Actual Content |---->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |   | 0xFE | "HELLO, WORLD" |
* +-----+-----+-----+-----+-----+ +-----+-----+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field, the length field
* represents the length of the whole message</h3>
*
* Let's give another twist to the previous example. The only difference from
* the previous example is that the length field represents the length of the
* whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into <tt>lengthAdjustment</tt>.
* Please note that we don't need to take the length of HDR2 into account
* because the length field already includes the whole header length.
* <pre>
* lengthFieldOffset = 1
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = <b>3</b>
*
* BEFORE DECODE (16 bytes)                AFTER DECODE (13 bytes)
* +-----+-----+-----+-----+-----+ +-----+-----+
* | HDR1 | Length | HDR2 | Actual Content |---->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |   | 0xFE | "HELLO, WORLD" |
* +-----+-----+-----+-----+-----+ +-----+-----+
* </pre>
* @see LengthFieldPrepender
*/

```

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/ocsp/OcspServerExample.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/ocsp/Digester.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/ocsp/OcspClientExample.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/ocsp/OcspUtils.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/ocsp/OcspRequestBuilder.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/http2/helloworld/frame/server/Http2ServerInitializer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/ssl/DelegatingSslContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/concurrent/RejectedExecutionHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/Http2GoAwayFrame.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/ssl/PemValue.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/kqueue/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/buffer/WrappedCompositeByteBuf.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/kqueue/KQueueServerDomainSocketChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/kqueue/Native.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/dns/DnsOptPseudoRecord.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/buffer/AbstractPooledDerivedByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/dns/DnsOptEcsRecord.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/concurrent/DefaultEventExecutorChooserFactory.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/smtp/SmtpContent.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/Http2FrameStreamVisitor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/unix/ErrorsStaticallyReferencedJniMethods.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/DefaultHttp2SettingsFrame.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/resolver/dns/InflightNameResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/kqueue/NativeLongArray.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/Http2FrameCodec.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/smtp/SmtpResponseDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/internal/logging/Log4J2Logger.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/smtp/SmtpRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/DatagramPacketEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/DefaultSelectStrategy.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/kqueue/KQueueDomainSocketChannel.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/DefaultHttp2PingFrame.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/ssl/PemX509Certificate.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/internal/UnstableApi.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/epoll/LinuxSocket.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/smtp/SmtpCommand.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/http2/helloworld/multiplex/server/Http2Server.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/dns/DnsPtrRecord.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/resolver/dns/NoopDnsCache.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/kqueue/KQueueServerSocketChannel.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/InboundHttpToHttp2Adapter.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/DefaultSelectStrategyFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/ssl/PemEncoded.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/internal/PromiseNotificationUtil.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/dns/DefaultDnsOptEcsRecord.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/kqueue/AbstractKQueueServerChannel.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/string/LineSeparator.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/internal/MacAddressUtil.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/concurrent/UnorderedThreadPoolEventExecutor.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/ChannelOutboundInvoker.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/http2/ReadOnlyHttp2Headers.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/example/http2/helloworld/frame/server/Http2Server.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/kqueue/KQueueServerChannelConfig.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/dns/DefaultDnsPtrRecord.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/resolver/dns/RoundRobinDnsAddressResolverGroup.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/ssl/ReferenceCountedOpenSslClientContext.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/bootstrap/BootstrapConfig.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/concurrent/OrderedEventExecutor.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/internal/ThrowableUtil.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/concurrent/PromiseCombiner.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/ResourceLeakDetectorFactory.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/kqueue/KQueueDatagramChannelConfig.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/DateFormat.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/WriteBufferWaterMark.java

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* under the License.
*/
/*
* Written by Robert Harder and released to the public domain, as explained at
* http://creativecommons.org/licenses/publicdomain
*/
/**
* Utility class for { @link ByteBuffer } that encodes and decodes to and from
* Base64 notation.
* <p>
* The encoding and decoding algorithm in this class has been derived from
* Robert Harder's Public Domain
\* Base64 Encoder/Decoder.
*/

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* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
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* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
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 * WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied. See the
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 * under the License.
 */
/**
 * Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
 * its { @link ChannelPipeline }.
 *
 * <h3>Sub-types</h3>
 * <p>
 * { @link ChannelHandler } itself does not provide many methods, but you usually have to implement one of its
 * subtypes:
 * <ul>
 * <li>{ @link ChannelInboundHandler } to handle inbound I/O events, and</li>
 * <li>{ @link ChannelOutboundHandler } to handle outbound I/O operations.</li>
 * </ul>
 * </p>
 * <p>
 * Alternatively, the following adapter classes are provided for your convenience:
 * <ul>
 * <li>{ @link ChannelInboundHandlerAdapter } to handle inbound I/O events,</li>
 * <li>{ @link ChannelOutboundHandlerAdapter } to handle outbound I/O operations, and</li>
 * <li>{ @link ChannelDuplexHandler } to handle both inbound and outbound events</li>
 * </ul>
 * </p>
 * <p>
 * For more information, please refer to the documentation of each subtype.
 * </p>
 *
 * <h3>The context object</h3>
 * <p>
 * A { @link ChannelHandler } is provided with a { @link ChannelHandlerContext }
 * object. A { @link ChannelHandler } is supposed to interact with the
 * { @link ChannelPipeline } it belongs to via a context object. Using the
 * context object, the { @link ChannelHandler } can pass events upstream or
 * downstream, modify the pipeline dynamically, or store the information
 * (using { @link AttributeKey }s) which is specific to the handler.

```

```

*
* <h3>State management</h3>
*
* A { @link ChannelHandler } often needs to store some stateful information.
* The simplest and recommended approach is to use member variables:
* <pre>
* public interface Message {
*     // your methods here
* }
*
* public class DataServerHandler extends { @link SimpleChannelInboundHandler } &lt; Message &gt; {
*
*     <b>private boolean loggedIn;</b>
*
*     { @code @Override }
*     public void channelRead0({ @link ChannelHandlerContext } ctx, Message message) {
*         { @link Channel } ch = e.getChannel();
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) message);
*             <b>loggedIn = true;</b>
*         } else if (message instanceof GetDataMessage) {
*             if (<b>loggedIn</b>) {
*                 ch.write(fetchSecret((GetDataMessage) message));
*             } else {
*                 fail();
*             }
*         }
*     }
*     ...
* }
* </pre>
* Because the handler instance has a state variable which is dedicated to
* one connection, you have to create a new handler instance for each new
* channel to avoid a race condition where an unauthenticated client can get
* the confidential information:
* <pre>
* // Create a new handler instance per channel.
* // See { @link ChannelInitializer#initChannel(Channel) }.
* public class DataServerInitializer extends { @link ChannelInitializer } &lt; { @link Channel } &gt; {
*     { @code @Override }
*     public void initChannel({ @link Channel } channel) {
*         channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
*     }
* }
*
* </pre>
*
* <h4>Using { @link AttributeKey }s</h4>

```

```

*
* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use {@link AttributeKey}s which is provided by
* {@link ChannelHandlerContext}:
* <pre>
* public interface Message {
*     // your methods here
* }
*
* {@code @Sharable}
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}&lt;Message&gt; {
*     private final {@link AttributeKey}&lt;{@link Boolean}&gt; auth =
*         {@link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")};
*
*     {@code @Override}
*     public void channelRead({@link ChannelHandlerContext} ctx, Message message) {
*         {@link Attribute}&lt;{@link Boolean}&gt; attr = ctx.attr(auth);
*         {@link Channel} ch = ctx.channel();
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) o);
*             <b>attr.set(true)</b>;
*         } else (message instanceof GetDataMessage) {
*             if (<b>Boolean.TRUE.equals(attr.get())</b>) {
*                 ch.write(fetchSecret((GetDataMessage) o));
*             } else {
*                 fail();
*             }
*         }
*     }
* }
* ...
* }
* </pre>
* Now that the state of the handler is attached to the {@link ChannelHandlerContext}, you can add the
* same handler instance to different pipelines:
* <pre>
* public class DataServerInitializer extends {@link ChannelInitializer}&lt;{@link Channel}&gt; {
*
*     private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
*
*     {@code @Override}
*     public void initChannel({@link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>SHARED</b>);
*     }
* }
* </pre>
*
*

```

```

* <h4>The { @code @Sharable } annotation</h4>
* <p>
* In the example above which used an { @link AttributeKey },
* you might have noticed the { @code @Sharable } annotation.
* <p>
* If a { @link ChannelHandler } is annotated with the { @code @Sharable }
* annotation, it means you can create an instance of the handler just once and
* add it to one or more { @link ChannelPipeline }s multiple times without
* a race condition.
* <p>
* If this annotation is not specified, you have to create a new handler
* instance every time you add it to a pipeline because it has unshared state
* such as member variables.
* <p>
* This annotation is provided for documentation purpose, just like
* <a href="http://www.javaconcurrencyinpractice.com/annotations/doc/">the JCIP annotations</a>.
*
* <h3>Additional resources worth reading</h3>
* <p>
* Please refer to the { @link ChannelHandler }, and
* { @link ChannelPipeline } to find out more about inbound and outbound operations,
* what fundamental differences they have, how they flow in a pipeline, and how to handle
* the operation in your application.
*/

```

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* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
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jar/io/netty/handler/codec/redis/ArrayRedisMessage.java  
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jar/io/netty/example/redis/RedisClient.java  
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jar/io/netty/example/http2/helloworld/frame/server/Http2OrHttpHandler.java  
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jar/io/netty/handler/codec/redis/RedisDecoder.java  
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jar/io/netty/handler/codec/redis/BulkStringHeaderRedisMessage.java  
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jar/io/netty/example/http2/helloworld/multiplex/server/Http2OrHttpHandler.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/buffer/ReadOnlyByteBufferBuf.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/buffer/SimpleLeakAwareByteBuf.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/ResourceLeakException.java  
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* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/resolver/dns/DnsQueryContextManager.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
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* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/channel/pool/AbstractChannelPoolHandler.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
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* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/handler/codec/protobuf/ProtobufVarint32LengthFieldPrepender.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
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* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
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* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/http/EmptyHttpHeaders.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/example/http2/tiles/Launcher.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-

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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/resolver/HostsFileEntriesResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/UnsupportedValueConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/dns/DnsRawRecord.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/channel/epoll/EpollMode.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/channel/unix/NativeInetAddress.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/util/HashingStrategy.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/channel/pool/FixedChannelPool.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/example/sctp/multihoming/SctpMultiHomingEchoClient.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/http/cookie/ServerCookieEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/ProtocolDetectionResult.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/http2/HttpToHttp2ConnectionHandlerBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/resolver/dns/SingletonDnsServerAddresses.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-

jar/io/netty/handler/codec/http/cookie/CookieHeaderNames.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/channel/epoll/EpollDomainSocketChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/channel/epoll/EpollChannelConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/http/cookie/Cookie.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/channel/unix/UnixChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/resolver/CompositeNameResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/util/internal/PriorityQueueNode.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/channel/unix/DomainSocketAddress.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/resolver/dns/DnsServerAddressStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/socksx/v5/Socks5AddressEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/ProtocolDetectionState.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/http/cookie/CookieEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/resolver/InetSocketAddressResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/example/http2/tiles/Html.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/channel/MaxMessagesRecvByteBufAllocator.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/resolver/dns/ShuffledDnsServerAddressStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/http/cookie/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/dns/DnsResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/example/http2/tiles/FallbackRequestHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/resolver/dns/DnsNameResolverException.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/channel/epoll/EpollDomainSocketChannelConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/ssl/ApplicationProtocolNames.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/udt/nio/NioUdtProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/udt/nio/NioUdtByteConnectorChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/traffic/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/udt/nio/NioUdtByteRendezvousChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/udt/nio/NioUdtByteAcceptorChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/udt/nio/NioUdtMessageConnectorChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/udt/nio/NioUdtAcceptorChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/sctp/SctpMessageToMessageDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/sctp/SctpInboundByteStreamHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/codec/sctp/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/traffic/TrafficCounter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/traffic/GlobalTrafficShapingHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/udt/nio/NioUdtMessageRendezvousChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/udt/UdtChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/channel/udt/nio/NioUdtMessageAcceptorChannel.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-jar/io/netty/util/internal/logging/Log4JLogger.java

\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-

jar/io/netty/util/internal/logging/JdkLogger.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/util/internal/logging/InternalLogger.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/util/internal/logging/CommonsLogger.java  
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jar/io/netty/handler/codec/http2/HpackDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/http2/HpackStaticTable.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/http2/HpackHuffmanDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-  
jar/io/netty/handler/codec/http2/HpackDynamicTable.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221966\_1591376621.54/0/netty-all-4-1-17-final-sources20-1-



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jar/io/netty/handler/codec/http2/HpackHuffmanEncoder.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/handler/codec/http2/HpackEncoder.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/handler/codec/http2/HpackHeaderField.java
* /opt/ws_local/PERMITS_SQL/1014221966_1591376621.54/0/netty-all-4-1-17-final-sources20-1-
jar/io/netty/handler/codec/http2/HpackUtil.java
```

# 1.593 io-grpc-grpc-core 1.9.0

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* /opt/ws_local/PERMITS_SQL/1014221951_1591365900.65/0/grpc-core-1-9-0-sources-
jar/io/grpc/internal/ProxyDetectorImpl.java
* /opt/ws_local/PERMITS_SQL/1014221951_1591365900.65/0/grpc-core-1-9-0-sources-
jar/io/grpc/internal/LongCounterFactory.java
* /opt/ws_local/PERMITS_SQL/1014221951_1591365900.65/0/grpc-core-1-9-0-sources-
jar/io/grpc/InternalChannelStats.java
* /opt/ws_local/PERMITS_SQL/1014221951_1591365900.65/0/grpc-core-1-9-0-sources-
jar/io/grpc/internal/Framer.java
* /opt/ws_local/PERMITS_SQL/1014221951_1591365900.65/0/grpc-core-1-9-0-sources-
jar/io/grpc/StreamTracer.java
* /opt/ws_local/PERMITS_SQL/1014221951_1591365900.65/0/grpc-core-1-9-0-sources-
jar/io/grpc/internal/ProxyParameters.java
* /opt/ws_local/PERMITS_SQL/1014221951_1591365900.65/0/grpc-core-1-9-0-sources-
jar/io/grpc/InternalStatus.java
* /opt/ws_local/PERMITS_SQL/1014221951_1591365900.65/0/grpc-core-1-9-0-sources-
jar/io/grpc/ClientStreamTracer.java
* /opt/ws_local/PERMITS_SQL/1014221951_1591365900.65/0/grpc-core-1-9-0-sources-
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jar/io/grpc/ServerStreamTracer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/OverrideAuthorityNameResolverFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/LongCounter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/RetriableStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/GrpcAttributes.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/ProxyDetector.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/ChannelStats.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/ForwardingChannelBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/WithLogId.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/util/TransmitStatusRuntimeExceptionInterceptor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/AtomicLongCounter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/AtomicBackoff.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/ForwardingNameResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/Deframer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/ChannelTracer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/util/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/ApplicationThreadDeframer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/MoreThrowables.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/InternalServerInterceptors.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/BinaryLogProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/TransportTracer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/InternalTransportStats.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/InternalInstrumented.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/FixedObjectPool.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/LogId.java

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* /opt/ws_local/PERMITS_SQL/1014221951_1591365900.65/0/grpc-core-1-9-0-sources-
jar/io/grpc/internal/GzipInflatingBuffer.java
* /opt/ws_local/PERMITS_SQL/1014221951_1591365900.65/0/grpc-core-1-9-0-sources-
jar/io/grpc/internal/ReflectionLongAdderCounter.java
* /opt/ws_local/PERMITS_SQL/1014221951_1591365900.65/0/grpc-core-1-9-0-sources-
jar/io/grpc/Instrumented.java
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```
* /opt/ws_local/PERMITS_SQL/1014221951_1591365900.65/0/grpc-core-1-9-0-sources-
jar/io/grpc/ForwardingClientCall.java
```

```
* /opt/ws_local/PERMITS_SQL/1014221951_1591365900.65/0/grpc-core-1-9-0-sources-
jar/io/grpc/CallOptions.java
```

```
* /opt/ws_local/PERMITS_SQL/1014221951_1591365900.65/0/grpc-core-1-9-0-sources-
jar/io/grpc/Compressor.java
```

```
* /opt/ws_local/PERMITS_SQL/1014221951_1591365900.65/0/grpc-core-1-9-0-sources-
jar/io/grpc/inprocess/InProcessServer.java
```

```
* /opt/ws_local/PERMITS_SQL/1014221951_1591365900.65/0/grpc-core-1-9-0-sources-
jar/io/grpc/internal/DelayedStream.java
```

```
* /opt/ws_local/PERMITS_SQL/1014221951_1591365900.65/0/grpc-core-1-9-0-sources-
jar/io/grpc/internal/ServerCallImpl.java
```

```
* /opt/ws_local/PERMITS_SQL/1014221951_1591365900.65/0/grpc-core-1-9-0-sources-
jar/io/grpc/ManagedChannelBuilder.java
```

```
* /opt/ws_local/PERMITS_SQL/1014221951_1591365900.65/0/grpc-core-1-9-0-sources-
jar/io/grpc/internal/NoopClientStream.java
```

```
* /opt/ws_local/PERMITS_SQL/1014221951_1591365900.65/0/grpc-core-1-9-0-sources-
jar/io/grpc/internal/Http2Ping.java
```

```
* /opt/ws_local/PERMITS_SQL/1014221951_1591365900.65/0/grpc-core-1-9-0-sources-
jar/io/grpc/StatusRuntimeException.java
```

```
* /opt/ws_local/PERMITS_SQL/1014221951_1591365900.65/0/grpc-core-1-9-0-sources-
jar/io/grpc/internal/ServerTransport.java
```

```
* /opt/ws_local/PERMITS_SQL/1014221951_1591365900.65/0/grpc-core-1-9-0-sources-
```

jar/io/grpc/ManagedChannelProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/WritableBuffer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/PartialForwardingServerCall.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/NameResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/Contexts.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/ForwardingServerCall.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/Attributes.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/ServerProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/ManagedChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/ContextRunnable.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/CompressorRegistry.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/ExperimentalApi.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/ForwardingServerCallListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/Internal.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/DelayedClientTransport.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/inprocess/InProcessTransport.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/SerializeReentrantCallsDirectExecutor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/InternalSubchannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/DnsNameResolverProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/DnsNameResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/Codec.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/inprocess/InProcessChannelBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/inprocess/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/inprocess/InProcessServerBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-

jar/io/grpc/DecompressorRegistry.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-  
jar/io/grpc/PartialForwardingServerCallListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-  
jar/io/grpc/internal/ExponentialBackoffPolicy.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-  
jar/io/grpc/ForwardingClientCallListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-  
jar/io/grpc/internal/WritableBufferAllocator.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-  
jar/io/grpc/PickFirstBalancerFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-  
jar/io/grpc/StatusException.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-  
jar/io/grpc/Decompressor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-  
jar/io/grpc/ServerBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-  
jar/io/grpc/EquivalentAddressGroup.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-  
jar/io/grpc/internal/BackoffPolicy.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-  
jar/io/grpc/internal/InternalServer.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-  
jar/io/grpc/InternalDecompressorRegistry.java

\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-  
jar/io/grpc/internal/StatsTraceContext.java

\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-  
jar/io/grpc/InternalWithLogId.java

\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/ObjectPool.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/CallCredentialsApplyingTransportFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/ChannelExecutor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/BindableService.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/InternalMethodDescriptor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/util/RoundRobinLoadBalancerFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/ServerTransportFilter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/ConnectivityStateManager.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/ConnectivityState.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/AbstractSubchannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/ManagedChannelImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/CensusStatsModule.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/CensusTracingModule.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/InUseStateAggregator.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/inprocess/InProcessSocketAddress.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/SecurityLevel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/NameResolverProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/ManagedClientTransport.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/InternalNotifyOnServerBuild.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/InternalHandlerRegistry.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/ConnectionClientTransport.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/InternalLogId.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/SharedResourcePool.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/ConnectivityStateInfo.java

\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/OobChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/ClientTransport.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/FailingClientStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/PickSubchannelArgsImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/InternalMetadata.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/CallCredentials.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/InternalKnownTransport.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/ServiceDescriptor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/MetadataApplierImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/LogExceptionRunnable.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/KeepAliveManager.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/Grpc.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/LoadBalancer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/FailingClientTransport.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/IOUtils.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/ForwardingConnectionClientTransport.java  
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Found in path(s):

- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/ClientCall.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/AbstractClientStream.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/AbstractStream.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/AbstractServerImplBuilder.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/ServerMethodDefinition.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/KnownLength.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/util/MutableHandlerRegistry.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/MethodDescriptor.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/Metadata.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/ServerCall.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/Channel.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/ServerCallHandler.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/SharedResourceHolder.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/Server.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/ReadableBuffers.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/ServerInterceptors.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/AbstractManagedChannelImplBuilder.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/HandlerRegistry.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/TransportFrameUtil.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/Status.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/ServerListener.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/ClientTransportFactory.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/ClientInterceptor.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/ServerImpl.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/ClientCallImpl.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/MessageFramer.java



\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/ClientStream.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/ServerServiceDefinition.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/ServerTransportListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/MessageDeframer.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/Drainable.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/AbstractServerStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/ServerStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/Http2ClientStreamTransportState.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/SerializingExecutor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/ReadableBuffer.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/AbstractReadableBuffer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/Stream.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/ClientStreamListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/ClientInterceptors.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221951\_1591365900.65/0/grpc-core-1-9-0-sources-jar/io/grpc/internal/StreamListener.java

# 1.594 powermock-reflect 1.6.1

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\* /opt/ws\_local/PERMITS\_SQL/1014221969\_1591381028.39/0/powermock-reflect-1-6-1-sources-  
jar/org/powermock/reflect/internal/matcherstrategies/AssignableToFieldTypeMatcherStrategy.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221969\_1591381028.39/0/powermock-reflect-1-6-1-sources-  
jar/org/powermock/reflect/internal/TypeUtils.java

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jar/org/powermock/reflect/internal/primitivesupport/BoxedWrapper.java

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* /opt/ws_local/PERMITS_SQL/1014221969_1591381028.39/0/powermock-reflect-1-6-1-sources-
jar/org/powermock/reflect/matching/FieldMatchingStrategy.java
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jar/org/powermock/reflect/internal/matcherstrategies/AllFieldsMatcherStrategy.java
* /opt/ws_local/PERMITS_SQL/1014221969_1591381028.39/0/powermock-reflect-1-6-1-sources-
jar/org/powermock/reflect/exceptions/FieldNotFoundException.java
* /opt/ws_local/PERMITS_SQL/1014221969_1591381028.39/0/powermock-reflect-1-6-1-sources-
jar/org/powermock/reflect/internal/matcherstrategies/FieldAnnotationMatcherStrategy.java
* /opt/ws_local/PERMITS_SQL/1014221969_1591381028.39/0/powermock-reflect-1-6-1-sources-
jar/org/powermock/reflect/exceptions/TooManyMethodsFoundException.java
* /opt/ws_local/PERMITS_SQL/1014221969_1591381028.39/0/powermock-reflect-1-6-1-sources-
jar/org/powermock/reflect/internal/matcherstrategies/FieldNameMatcherStrategy.java
* /opt/ws_local/PERMITS_SQL/1014221969_1591381028.39/0/powermock-reflect-1-6-1-sources-
jar/org/powermock/reflect/exceptions/MethodNotFoundException.java
* /opt/ws_local/PERMITS_SQL/1014221969_1591381028.39/0/powermock-reflect-1-6-1-sources-
jar/org/powermock/reflect/internal/matcherstrategies/FieldMatcherStrategy.java
* /opt/ws_local/PERMITS_SQL/1014221969_1591381028.39/0/powermock-reflect-1-6-1-sources-
jar/org/powermock/reflect/internal/matcherstrategies/AssignableFromFieldTypeMatcherStrategy.java
```

\* /opt/ws\_local/PERMITS\_SQL/1014221969\_1591381028.39/0/powermock-reflect-1-6-1-sources-jar/org/powermock/reflect/exceptions/ConstructorNotFoundException.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221969\_1591381028.39/0/powermock-reflect-1-6-1-sources-jar/org/powermock/reflect/exceptions/MethodInvocationException.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221969\_1591381028.39/0/powermock-reflect-1-6-1-sources-jar/org/powermock/reflect/Whitebox.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221969\_1591381028.39/0/powermock-reflect-1-6-1-sources-jar/org/powermock/reflect/internal/WhiteboxImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221969\_1591381028.39/0/powermock-reflect-1-6-1-sources-jar/org/powermock/reflect/internal/primitivesupport/PrimitiveWrapper.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221969\_1591381028.39/0/powermock-reflect-1-6-1-sources-jar/org/powermock/reflect/internal/matcherstrategies/FieldTypeMatcherStrategy.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221969\_1591381028.39/0/powermock-reflect-1-6-1-sources-jar/org/powermock/reflect/exceptions/TooManyFieldsFoundException.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221969\_1591381028.39/0/powermock-reflect-1-6-1-sources-jar/org/powermock/reflect/exceptions/TooManyConstructorsFoundException.java

## 1.595 io-grpc-grpc-netty 1.25.0

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\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/NettyServerBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/NettyChannelBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/NettyServerTransport.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/NettyReadableBuffer.java

\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/NettyServerStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/CancelClientStreamCommand.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/SendGrpcFrameCommand.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/Utils.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/SendResponseHeadersCommand.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/NettyClientTransport.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/NettyClientHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/NettyServer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/NettyServerHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/CreateStreamCommand.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/NegotiationType.java

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jar/io/grpc/netty/GrpcHttp2HeadersUtils.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/NettySocketSupport.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/InternalNettyServerBuilder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/InternalNettyChannelBuilder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/ForcefulCloseCommand.java

\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/AbstractHttp2Headers.java

\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/GrpcHttp2OutboundHeaders.java

\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/GrpcHttp2ConnectionHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/StreamIdHolder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/NettyHandlerSettings.java

\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/ClientTransportLifecycleManager.java

\* /opt/ws\_local/PERMITS\_SQL/1014221970\_1591898057.89/0/grpc-netty-1-25-0-sources-jar/io/grpc/netty/InternalHandlerSettings.java

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jar/io/grpc/netty/WriteQueue.java
* /opt/ws_local/PERMITS_SQL/1014221970_1591898057.89/0/grpc-netty-1-25-0-sources-
jar/io/grpc/netty/NettyChannelProvider.java
* /opt/ws_local/PERMITS_SQL/1014221970_1591898057.89/0/grpc-netty-1-25-0-sources-
jar/io/grpc/netty/NettyClientStream.java
* /opt/ws_local/PERMITS_SQL/1014221970_1591898057.89/0/grpc-netty-1-25-0-sources-
jar/io/grpc/netty/NettyWritableBuffer.java
* /opt/ws_local/PERMITS_SQL/1014221970_1591898057.89/0/grpc-netty-1-25-0-sources-
jar/io/grpc/netty/GrpcSslContexts.java
* /opt/ws_local/PERMITS_SQL/1014221970_1591898057.89/0/grpc-netty-1-25-0-sources-
jar/io/grpc/netty/NettyServerProvider.java
* /opt/ws_local/PERMITS_SQL/1014221970_1591898057.89/0/grpc-netty-1-25-0-sources-
jar/io/grpc/netty/NettyWritableBufferAllocator.java
* /opt/ws_local/PERMITS_SQL/1014221970_1591898057.89/0/grpc-netty-1-25-0-sources-
jar/io/grpc/netty/JettyTlsUtil.java
* /opt/ws_local/PERMITS_SQL/1014221970_1591898057.89/0/grpc-netty-1-25-0-sources-
jar/io/grpc/netty/SendPingCommand.java
* /opt/ws_local/PERMITS_SQL/1014221970_1591898057.89/0/grpc-netty-1-25-0-sources-
jar/io/grpc/netty/package-info.java
* /opt/ws_local/PERMITS_SQL/1014221970_1591898057.89/0/grpc-netty-1-25-0-sources-
jar/io/grpc/netty/ProtocolNegotiator.java
* /opt/ws_local/PERMITS_SQL/1014221970_1591898057.89/0/grpc-netty-1-25-0-sources-
jar/io/grpc/netty/CancelServerStreamCommand.java
* /opt/ws_local/PERMITS_SQL/1014221970_1591898057.89/0/grpc-netty-1-25-0-sources-
jar/io/grpc/netty/ProtocolNegotiators.java
* /opt/ws_local/PERMITS_SQL/1014221970_1591898057.89/0/grpc-netty-1-25-0-sources-
jar/io/grpc/netty/AbstractNettyHandler.java
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* /opt/ws_local/PERMITS_SQL/1014221970_1591898057.89/0/grpc-netty-1-25-0-sources-
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jar/io/grpc/netty/ProtocolNegotiationEvent.java
* /opt/ws_local/PERMITS_SQL/1014221970_1591898057.89/0/grpc-netty-1-25-0-sources-
jar/io/grpc/netty/InternalProtocolNegotiationEvent.java
* /opt/ws_local/PERMITS_SQL/1014221970_1591898057.89/0/grpc-netty-1-25-0-sources-
jar/io/grpc/netty/InternalWriteBufferingAndExceptionHandlerUtils.java
```

```
* /opt/ws_local/PERMITS_SQL/1014221970_1591898057.89/0/grpc-netty-1-25-0-sources-
jar/io/grpc/netty/InternalProtocolNegotiator.java
* /opt/ws_local/PERMITS_SQL/1014221970_1591898057.89/0/grpc-netty-1-25-0-sources-
jar/io/grpc/netty/WriteBufferingAndExceptionHandler.java
* /opt/ws_local/PERMITS_SQL/1014221970_1591898057.89/0/grpc-netty-1-25-0-sources-
jar/io/grpc/netty/InternalProtocolNegotiators.java
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## 1.596 jackson-module-scala 2.10.0

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## 1.597 apache-httpcomponents-asyncclient

### 4.1

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zip/apache-httpcomponents-asyncclient.pom.rtf
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## 1.598 powermock-api-support 1.6.1

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\* /opt/ws\_local/PERMITS\_SQL/1014221964\_1591897705.8/0/powermock-api-support-1-6-1-sources-jar/org/powermock/api/support/ClassLoaderUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221964\_1591897705.8/0/powermock-api-support-1-6-1-sources-jar/org/powermock/api/support/membermodification/strategy/impl/MethodStubStrategyImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221964\_1591897705.8/0/powermock-api-support-1-6-1-sources-jar/org/powermock/api/support/membermodification/strategy/ClassReplaceStrategy.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221964\_1591897705.8/0/powermock-api-support-1-6-1-sources-jar/org/powermock/api/support/membermodification/strategy/MethodReplaceStrategy.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221964\_1591897705.8/0/powermock-api-support-1-6-1-sources-jar/org/powermock/api/support/membermodification/MemberMatcher.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221964\_1591897705.8/0/powermock-api-support-1-6-1-sources-jar/org/powermock/api/support/membermodification/MemberModifier.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221964\_1591897705.8/0/powermock-api-support-1-6-1-sources-

```
jar/org/powermock/api/support/MethodProxy.java
* /opt/ws_local/PERMITS_SQL/1014221964_1591897705.8/0/powermock-api-support-1-6-1-sources-
jar/org/powermock/api/support/membermodification/strategy/MethodStubStrategy.java
* /opt/ws_local/PERMITS_SQL/1014221964_1591897705.8/0/powermock-api-support-1-6-1-sources-
jar/org/powermock/api/support/membermodification/strategy/impl/MethodReplaceStrategyImpl.java
* /opt/ws_local/PERMITS_SQL/1014221964_1591897705.8/0/powermock-api-support-1-6-1-sources-
jar/org/powermock/api/support/Stubber.java
```

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*/
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1014221964_1591897705.8/0/powermock-api-support-1-6-1-sources-
jar/org/powermock/api/support/SuppressCode.java
```

# 1.599 opencensus 0.10.0

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## 1.600 mockito 1.10.8



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# 1.601 netty-project 4.1.16.Final

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jar/io/netty/buffer/HeapByteBufUtil.java  
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jar/io/netty/handler/codec/protobuf/ProtobufEncoderNano.java  
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jar/io/netty/handler/codec/http/cookie/ServerCookieDecoder.java  
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jar/io/netty/channel/pool/ChannelPoolHandler.java  
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jar/io/netty/handler/codec/http/cookie/package-info.java
```

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/epoll/AbstractEpollStreamChannel.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/http2/tiles/Http2RequestHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/pool/AbstractChannelPoolMap.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/HttpScheme.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/UnsafeByteBufUtil.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/AddressResolver.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/epoll/EpollRecvByteAllocatorStreamingHandle.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/unix/NativeInetAddress.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsResponseDecoder.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/internal/DefaultPriorityQueue.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/dns/DnsRecordDecoder.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/cookie/ServerCookieEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/rtsp/RtspDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/PoolSubpageMetric.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/InetSocketAddressResolver.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/unix/Errors.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/epoll/EpollChannelConfig.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/http2/tiles/Launcher.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5AddressDecoder.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/cookie/Cookie.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http2/Http2ConnectionHandlerBuilder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/sctp/multihoming/SctpMultiHomingEchoClient.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/DefaultHostsFileEntriesResolver.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http2/HttpToHttp2ConnectionHandlerBuilder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/dns/DnsServerAddressStream.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/PoolArenaMetric.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/http2/tiles/HttpServer.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/PoolChunkListMetric.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/epoll/EpollDomainSocketChannelConfig.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/dns/DnsResponse.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/CookieUtil.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/http2/tiles/FallbackRequestHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/unix/DatagramSocketAddress.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/PoolChunkMetric.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/unix/DomainSocketAddress.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/ProtocolDetectionResult.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/dns/ShuffledDnsServerAddressStream.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/epoll/EpollServerChannelConfig.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/dns/DnsOpCode.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/dns/DnsNameResolverBuilder.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/AsyncMapping.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/AbstractAddressResolver.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/cookie/CookieUtil.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/UnpooledDuplicatedByteBuf.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/OpenSslJavaxX509Certificate.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/ProtocolDetectionState.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/DefaultNameResolver.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/dns/RotationalDnsServerAddresses.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/epoll/TcpMd5Util.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/epoll/AbstractEpollServerChannel.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsQuery.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsQuestion.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufDecoderNano.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsRawRecord.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/dns/DnsResponseCode.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/dns/DnsRecordEncoder.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/pool/ChannelPoolMap.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/dns/SequentialDnsServerAddressStream.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/HostsFileEntriesResolver.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/dns/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/dns/SingletonDnsServerAddresses.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolAccessor.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/UnpooledUnsafeHeapByteBuf.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/ClientAuth.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/HostsFileParser.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/concurrent/AbstractScheduledEventExecutor.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/DefaultMaxBytesRecvByteBufAllocator.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/cookie/DefaultCookie.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/MaxBytesRecvByteBufAllocator.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/unix/UnixChannel.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/cookie/ClientCookieDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/UnpooledSlicedByteBuf.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolNames.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/dns/AbstractDnsMessage.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5AddressEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/InetNameResolver.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/epoll/EpollDomainSocketChannel.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/dns/DnsRawRecord.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/AbstractUnsafeSwappedByteBuf.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/sctp/multihoming/SctpMultiHomingEchoServer.java



\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/rtsp/RtspEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/UnsupportedValueConverter.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/epoll/EpollServerDomainSocketChannel.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/dns/AbstractDnsRecord.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolNegotiationHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/CompositeNameResolver.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsQuery.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/MaxMessagesRecvByteBufAllocator.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/dns/DnsSection.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http2/AbstractHttp2ConnectionHandlerBuilder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/cookie/CookieHeaderNames.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/unix/DomainSocketChannelConfig.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/epoll/EpollMode.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/http2/helloworld/server/HelloWorldHttp2HandlerBuilder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/protobuf/ProtobufVarint32FrameDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/http2/tiles/ImageCache.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/DefaultMaxMessagesRecvByteBufAllocator.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/DomainMappingBuilder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsRecordEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/pool/SimpleChannelPool.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/dns/DnsRecordType.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/pool/ChannelHealthChecker.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/http2/tiles/HttpRequestHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/HashingStrategy.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/PooledUnsafeHeapByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsQueryDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/unix/FileDescriptor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/CombinedHttpHeaders.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/epoll/EpollRecvByteAllocatorHandle.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/cookie/CookieDecoder.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/Http2CodecUtil.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/Http2DataWriter.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/http2/helloworld/client/Http2Client.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/DefaultHttp2HeadersDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/Http2NoMoreStreamIdsException.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/InboundHttp2ToHttpAdapter.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-

jar/io/netty/example/http2/helloworld/client/HttpClientInitializer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/util/collection/ByteCollections.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/http2/Http2Headers.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/http/HttpServerUpgradeHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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jar/io/netty/handler/codec/Headers.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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jar/io/netty/util/collection/LongCollections.java  
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jar/io/netty/handler/codec/http2/DefaultHttp2RemoteFlowController.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/http2/Http2ConnectionEncoder.java  
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jar/io/netty/handler/codec/http2/CompressorHttp2ConnectionEncoder.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/util/collection/LongObjectMap.java

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* under the License.
*/
/*
* Written by Robert Harder and released to the public domain, as explained at
* http://creativecommons.org/licenses/publicdomain
*/
/**
* Enumeration of supported Base64 dialects.
* <p>
* The internal lookup tables in this class has been derived from
* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
* Base64 Encoder/Decoder</a>.
*/
```

Found in path(s):

```
*/opt/ws_local/PERMITS_SQL/1014221949_1591376597.75/0/netty-all-4-1-16-final-sources-
jar/io/netty/handler/codecs/base64/Base64Dialect.java
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Found in path(s):

```
*/opt/ws_local/PERMITS_SQL/1014221949_1591376597.75/0/netty-all-4-1-16-final-sources-
jar/io/netty/util/internal/CleanerJava6.java
```

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/concurrent/FastThreadLocalThread.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/UnsafeDirectSwappedByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/DefaultChannelHandlerContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/UnsafeHeapSwappedByteBuf.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/PooledHeapByteBuf.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/udt/nio/NioUdtByteAcceptorChannel.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/traffic/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/udt/nio/NioUdtAcceptorChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/udt/UdtChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/sctp/SctpMessageCompletionHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/traffic/TrafficCounter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/sctp/SctpInboundByteStreamHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/udt/nio/NioUdtProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/udt/nio/NioUdtMessageConnectorChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/udt/nio/NioUdtMessageRendezvousChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/udt/nio/NioUdtMessageAcceptorChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/udt/nio/NioUdtByteRendezvousChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/sctp/SctpMessageToMessageDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/sctp/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/traffic/GlobalTrafficShapingHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/udt/nio/NioUdtByteConnectorChannel.java

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```
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*/
/**
* Utility class for {@link ByteBuf} that encodes and decodes to and from
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* <p>
* The encoding and decoding algorithm in this class has been derived from
* Robert Harder's Public Domain
* Base64 Encoder/Decoder</a>.
*/
```

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```
*/opt/ws_local/PERMITS_SQL/1014221949_1591376597.75/0/netty-all-4-1-16-final-sources-
jar/io/netty/handler/codec/base64/Base64.java
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*/opt/ws_local/PERMITS_SQL/1014221949_1591376597.75/0/netty-all-4-1-16-final-sources-
jar/io/netty/util/internal/Cleaner.java
*/opt/ws_local/PERMITS_SQL/1014221949_1591376597.75/0/netty-all-4-1-16-final-sources-
jar/io/netty/util/internal/CleanerJava9.java
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/traffic/GlobalChannelTrafficShapingHandler.java  
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- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/dns/UnixResolverDnsServerAddressStreamProvider.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/dns/BiDnsQueryLifecycleObserverFactory.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/DelegatingChannelPromiseNotifier.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/socket/ChannelOutputShutdownEvent.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/dns/TraceDnsQueryLifeCycleObserverFactory.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/ocsp/OcspClientHandler.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/internal/LongAdderCounter.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/internal/ReflectionUtil.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/HostsFileEntries.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketScheme.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/Java9SslUtils.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/internal/tcnative/SniHostNameMatcher.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/ResolvedAddressTypes.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/NettyRuntime.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/socket/oio/OioDatagramChannelConfig.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/socket/ChannelOutputShutdownException.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/SuppressForbidden.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/UncheckedBooleanSupplier.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/uptime/UptimeServerHandler.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/Java9SslEngine.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/unix/UnixChannelUtil.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-

jar/io/netty/channel/nio/SelectedSelectionKeySetSelector.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/buffer/ByteBufAllocatorMetric.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/http2/DefaultHttp2UnknownFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/internal/tcnative/NativeStaticallyReferencedJniMethods.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/resolver/dns/DnsQueryLifecycleObserverFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/ssl/ConscryptAlpnSslEngine.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/ssl/SslCloseCompletionEvent.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/ssl/ocsp/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/http2/Http2StreamChannelBootstrap.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/resolver/dns/NoopDnsQueryLifecycleObserver.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/resolver/dns/DefaultDnsServerAddressStreamProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/resolver/dns/DnsServerAddressStreamProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/util/internal/PriorityQueue.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/resolver/dns/DnsServerAddressStreamProviders.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/example/uptime/UptimeServer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/resolver/dns/SingletonDnsServerAddressStreamProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/mqtt/MqttMessageBuilders.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/ssl/OptionalSslHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/util/internal/EmptyPriorityQueue.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/http2/CleartextHttp2ServerUpgradeHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/ssl/Conscrypt.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/http2/Http2FrameCodecBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/resolver/dns/NoopDnsQueryLifecycleObserverFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/http2/Http2MultiplexCodecBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-

jar/io/netty/resolver/dns/MultiDnsServerAddressStreamProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/resolver/dns/BiDnsQueryLifecycleObserver.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/http2/Http2UnknownFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/resolver/dns/SequentialDnsServerAddressStreamProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/resolver/dns/DnsCacheEntry.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/http2/Http2StreamChannelId.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/resolver/dns/DnsQueryLifecycleObserver.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/channel/socket/ChannelInputShutdownReadComplete.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/ssl/AbstractSniHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/resolver/dns/UniSequentialDnsServerAddressStreamProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/ssl/SslCompletionEvent.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/buffer/PooledByteBufAllocatorMetric.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/http2/Http2StreamChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/http/HttpServerExpectContinueHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/channel/socket/oio/DefaultOioDatagramChannelConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/buffer/ByteBufAllocatorMetricProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/http2/Http2FrameStreamEvent.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/resolver/dns/TraceDnsQueryLifecycleObserver.java  
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Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/util/internal/logging/MessageFormatter.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/util/internal/logging/FormattingTuple.java

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```
* /opt/ws_local/PERMITS_SQL/1014221949_1591376597.75/0/netty-all-4-1-16-final-sources-
jar/io/netty/internal/tcnative/Library.java
* /opt/ws_local/PERMITS_SQL/1014221949_1591376597.75/0/netty-all-4-1-16-final-sources-
jar/io/netty/internal/tcnative/Buffer.java
* /opt/ws_local/PERMITS_SQL/1014221949_1591376597.75/0/netty-all-4-1-16-final-sources-
jar/io/netty/internal/tcnative/SSL.java
* /opt/ws_local/PERMITS_SQL/1014221949_1591376597.75/0/netty-all-4-1-16-final-sources-
jar/io/netty/internal/tcnative/SSLContext.java
```

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* under the License.
*/
// Try the OpenJDK's proprietary implementation.
```

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/util/SelfSignedCertificate.java

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\*/

/\*\*

\* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in  
\* its { @link ChannelPipeline }.

\*

\* <h3>Sub-types</h3>

\* <p>

\* { @link ChannelHandler } itself does not provide many methods, but you usually have to implement one of its  
subtypes:

\* <ul>

\* <li>{ @link ChannelInboundHandler } to handle inbound I/O events, and</li>

\* <li>{ @link ChannelOutboundHandler } to handle outbound I/O operations.</li>

\* </ul>

\* </p>

\* <p>

\* Alternatively, the following adapter classes are provided for your convenience:

\* <ul>

\* <li>{ @link ChannelInboundHandlerAdapter } to handle inbound I/O events,</li>

\* <li>{ @link ChannelOutboundHandlerAdapter } to handle outbound I/O operations, and</li>

\* <li>{ @link ChannelDuplexHandler } to handle both inbound and outbound events</li>

\* </ul>

\* </p>

\* <p>

\* For more information, please refer to the documentation of each subtype.

\* </p>

\*

\* <h3>The context object</h3>

\* <p>

\* A { @link ChannelHandler } is provided with a { @link ChannelHandlerContext }



\* object. A { @link ChannelHandler } is supposed to interact with the  
 \* { @link ChannelPipeline } it belongs to via a context object. Using the  
 \* context object, the { @link ChannelHandler } can pass events upstream or  
 \* downstream, modify the pipeline dynamically, or store the information  
 \* (using { @link AttributeKey }s) which is specific to the handler.

### \* <h3>State management</h3>

\* A { @link ChannelHandler } often needs to store some stateful information.  
 \* The simplest and recommended approach is to use member variables:

```
* <pre>
* public interface Message {
*     // your methods here
* }
*
* public class DataServerHandler extends { @link SimpleChannelInboundHandler }&lt;Message&gt; {
*
*     <b>private boolean loggedIn;</b>
*
*     { @code @Override }
*     public void channelRead0({ @link ChannelHandlerContext } ctx, Message message) {
*         { @link Channel } ch = e.getChannel();
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) message);
*             <b>loggedIn = true;</b>
*         } else (message instanceof GetDataMessage) {
*             if (<b>loggedIn</b>) {
*                 ch.write(fetchSecret((GetDataMessage) message));
*             } else {
*                 fail();
*             }
*         }
*     }
*     ...
* }
* </pre>
```

\* Because the handler instance has a state variable which is dedicated to  
 \* one connection, you have to create a new handler instance for each new  
 \* channel to avoid a race condition where a unauthenticated client can get  
 \* the confidential information:

```
* <pre>
* // Create a new handler instance per channel.
* // See { @link ChannelInitializer#initChannel(Channel) }.
* public class DataServerInitializer extends { @link ChannelInitializer }&lt;{ @link Channel }&gt; {
*     { @code @Override }
*     public void initChannel({ @link Channel } channel) {
*         channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
*     }
* }
```

```

* }
*
* </pre>
*
* <h4>Using { @link AttributeKey}s</h4>
*
* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use { @link AttributeKey}s which is provided by
* { @link ChannelHandlerContext}:
* <pre>
* public interface Message {
*     // your methods here
* }
*
* { @code @Sharable}
* public class DataServerHandler extends { @link SimpleChannelInboundHandler}&lt;Message&gt; {
*     private final { @link AttributeKey}&lt;Boolean&gt; auth =
*         { @link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")};
*
*     { @code @Override}
*     public void channelRead({ @link ChannelHandlerContext} ctx, Message message) {
*         { @link Attribute}&lt;Boolean&gt; attr = ctx.attr(auth);
*         { @link Channel} ch = ctx.channel();
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) o);
*             <b>attr.set(true)</b>;
*         } else (message instanceof GetDataMessage) {
*             if (<b>Boolean.TRUE.equals(attr.get())</b>) {
*                 ch.write(fetchSecret((GetDataMessage) o));
*             } else {
*                 fail();
*             }
*         }
*     }
* }
* ...
* </pre>

```

\* Now that the state of the handler is attached to the { @link ChannelHandlerContext}, you can add the same handler instance to different pipelines:

```

* <pre>
* public class DataServerInitializer extends { @link ChannelInitializer}&lt;Channel&gt; {
*
*     private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
*
*     { @code @Override}
*     public void initChannel({ @link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>SHARED</b>);
*     }
* }
* </pre>

```

```

*   }
* }
* </pre>
*
*
* <h4>The { @code @Sharable} annotation</h4>
* <p>
* In the example above which used an { @link AttributeKey},
* you might have noticed the { @code @Sharable} annotation.
* <p>
* If a { @link ChannelHandler} is annotated with the { @code @Sharable}
* annotation, it means you can create an instance of the handler just once and
* add it to one or more { @link ChannelPipeline}s multiple times without
* a race condition.
* <p>
* If this annotation is not specified, you have to create a new handler
* instance every time you add it to a pipeline because it has unshared state
* such as member variables.
* <p>
* This annotation is provided for documentation purpose, just like
* <a href="http://www.javaconcurrencyinpractice.com/annotations/doc/">the JCIP annotations</a>.
*
* <h3>Additional resources worth reading</h3>
* <p>
* Please refer to the { @link ChannelHandler}, and
* { @link ChannelPipeline} to find out more about inbound and outbound operations,
* what fundamental differences they have, how they flow in a pipeline, and how to handle
* the operation in your application.
*/

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1014221949_1591376597.75/0/netty-all-4-1-16-final-sources-
jar/io/netty/channel/ChannelHandler.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/redis/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/redis/RedisMessage.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/redis/SimpleStringRedisMessage.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/redis/FullBulkStringRedisMessage.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/redis/ArrayRedisMessage.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/redis/FixedRedisMessagePool.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/redis/RedisMessagePool.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/redis/RedisCodecUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/redis/LastBulkStringRedisContent.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/redis/BulkStringHeaderRedisMessage.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/redis/RedisEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/redis/DefaultLastBulkStringRedisContent.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/redis/RedisConstants.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/redis/IntegerRedisMessage.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/redis/ArrayHeaderRedisMessage.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/redis/ErrorRedisMessage.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/http2/helloworld/frame/server/HelloWorldHttp2Handler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/http2/helloworld/multiplex/server/HelloWorldHttp2Handler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/http2/helloworld/frame/server/Http2OrHttpHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/redis/RedisDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/redis/BulkStringRedisContent.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/redis/AbstractStringRedisMessage.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/redis/DefaultBulkStringRedisContent.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/redis/RedisMessageType.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/redis/RedisClient.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/redis/RedisBulkStringAggregator.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/redis/RedisArrayAggregator.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/redis/RedisCodecException.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/http2/helloworld/multiplex/server/Http2OrHttpHandler.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http2/ReadOnlyHttp2Headers.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2SettingsFrame.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http2/Http2GoAwayFrame.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/internal/MacAddressUtil.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/kqueue/KQueueSocketChannel.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/internal/SocketUtils.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/compression/ByteBufChecksum.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-

jar/io/netty/channel/kqueue/KQueueStaticallyReferencedJniMethods.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/smtp/SmtpContent.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/ssl/OpenSslCertificateException.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/ssl/ReferenceCountedOpenSslServerContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/channel/kqueue/KQueueEventLoopGroup.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/CodecOutputList.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/util/ResourceLeakTracker.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/http2/Http2PingFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/util/ResourceLeakDetectorFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/http2/Http2Frame.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/smtp/LastSmtpContent.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/http2/Http2FrameStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/ssl/ReferenceCountedOpenSslEngine.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/smtp/DefaultSmtpResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/http2/Http2SettingsFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/channel/unix/Limits.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/channel/kqueue/KQueueServerSocketChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/internal/tcnative/SessionTicketKey.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/resolver/dns/DefaultDnsCache.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/channel/DefaultSelectStrategyFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/channel/unix/SocketWritableByteChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/util/concurrent/RejectedExecutionHandlers.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/util/internal/ConstantTimeUtils.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/channel/kqueue/NativeLongArray.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-

jar/io/netty/buffer/AbstractUnpooledSlicedByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/example/http2/helloworld/frame/server/Http2Server.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/http2/Http2HeadersFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/http/multipart/FileUploadUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/bootstrap/BootstrapConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/DatagramPacketEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/util/internal/NativeLibraryUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/smtp/SmtpRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/buffer/PooledSlicedByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/resolver/dns/InflightNameResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/dns/DefaultDnsPtrRecord.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/ssl/ReferenceCountedOpenSslClientContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/util/DomainNameMappingBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/channel/DefaultSelectStrategy.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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jar/io/netty/handler/codec/smtp/DefaultSmtpRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/http2/Http2ResetFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/buffer/AdvancedLeakAwareCompositeByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/channel/epoll/LinuxSocket.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/channel/kqueue/KQueueChannelOption.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/util/internal/ThrowableUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/ssl/OpenSslKeyMaterialManager.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/smtp/SmtpUtils.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/http2/DefaultHttp2PingFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/internal/tcnative/CertificateRequestedCallback.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/util/concurrent/UnaryPromiseNotifier.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http2/StreamByteDistributor.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http2/DecoratingHttp2ConnectionDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http2/StreamBufferingEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/DefaultHeadersImpl.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http2/DecoratingHttp2ConnectionEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/CoalescingBufferQueue.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/ValueConverter.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http2/DecoratingHttp2FrameWriter.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/ByteProcessor.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http2/Http2StreamVisitor.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/internal/MathUtil.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http2/WeightedFairQueueByteDistributor.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http2/UniformStreamByteDistributor.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http2/AbstractInboundHttp2ToHttpAdapterBuilder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/CharSequenceValueConverter.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http2/InboundHttp2ToHttpAdapterBuilder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http2/Http2PromisedRequestVerifier.java

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 /\*\*

\* A decoder that splits the received { @link ByteBuf}s dynamically by the  
 \* value of the length field in the message. It is particularly useful when you  
 \* decode a binary message which has an integer header field that represents the  
 \* length of the message body or the whole message.

\* <p>  
 \* { @link LengthFieldBasedFrameDecoder} has many configuration parameters so  
 \* that it can decode any message with a length field, which is often seen in  
 \* proprietary client-server protocols. Here are some example that will give  
 \* you the basic idea on which option does what.

\*  
 \* <h3>2 bytes length field at offset 0, do not strip header</h3>

\*  
 \* The value of the length field in this example is <tt>12 (0x0C)</tt> which  
 \* represents the length of "HELLO, WORLD". By default, the decoder assumes  
 \* that the length field represents the number of the bytes that follows the  
 \* length field. Therefore, it can be decoded with the simplistic parameter  
 \* combination.

\* <pre>  
 \* <b>lengthFieldOffset</b> = <b>0</b>  
 \* <b>lengthFieldLength</b> = <b>2</b>  
 \* lengthAdjustment = 0  
 \* initialBytesToStrip = 0 (= do not strip header)

\*  
 \* BEFORE DECODE (14 bytes)      AFTER DECODE (14 bytes)

```
* +-----+-----+ +-----+-----+
* | Length | Actual Content |---->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" |   | 0x000C | "HELLO, WORLD" |
* +-----+-----+ +-----+-----+
```

\* </pre>

\*  
 \* <h3>2 bytes length field at offset 0, strip header</h3>

\*  
 \* Because we can get the length of the content by calling  
 \* { @link ByteBuf#readableBytes()}, you might want to strip the length  
 \* field by specifying <tt>initialBytesToStrip</tt>. In this example, we  
 \* specified <tt>2</tt>, that is same with the length of the length field, to  
 \* strip the first two bytes.

\* <pre>  
 \* lengthFieldOffset = 0  
 \* lengthFieldLength = 2

```

* lengthAdjustment = 0
* <b>initialBytesToStrip</b> = <b>2</b> (= the length of the Length field)
*
* BEFORE DECODE (14 bytes)      AFTER DECODE (12 bytes)
* +-----+-----+-----+
* | Length | Actual Content |---->| Actual Content |
* | 0x000C | "HELLO, WORLD" |   | "HELLO, WORLD" |
* +-----+-----+-----+

```

\* <h3>2 bytes length field at offset 0, do not strip header, the length field represents the length of the whole message</h3>

\* In most cases, the length field represents the length of the message body only, as shown in the previous examples. However, in some protocols, the length field represents the length of the whole message, including the message header. In such a case, we specify a non-zero <tt>lengthAdjustment</tt>. Because the length value in this example message is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt> as <tt>lengthAdjustment</tt> for compensation.

```

* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-2</b> (= the length of the Length field)
* initialBytesToStrip = 0
*
* BEFORE DECODE (14 bytes)      AFTER DECODE (14 bytes)
* +-----+-----+-----+
* | Length | Actual Content |---->| Length | Actual Content |
* | 0x000E | "HELLO, WORLD" |   | 0x000E | "HELLO, WORLD" |
* +-----+-----+-----+

```

\* <h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>

\* The following message is a simple variation of the first example. An extra header value is prepended to the message. <tt>lengthAdjustment</tt> is zero again because the decoder always takes the length of the prepended data into account during frame length calculation.

```

* <pre>
* <b>lengthFieldOffset</b> = <b>2</b> (= the length of Header 1)
* <b>lengthFieldLength</b> = <b>3</b>
* lengthAdjustment = 0
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)      AFTER DECODE (17 bytes)
* +-----+-----+-----+
* | Header 1 | Length | Actual Content |---->| Header 1 | Length | Actual Content |

```

```

* | 0xCAFE | 0x00000C | "HELLO, WORLD" | | 0xCAFE | 0x00000C | "HELLO, WORLD" |
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* </pre>
*
* <h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>
*
* This is an advanced example that shows the case where there is an extra
* header between the length field and the message body. You have to specify a
* positive <tt>lengthAdjustment</tt> so that the decoder counts the extra
* header into the frame length calculation.
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 3
* <b>lengthAdjustment</b> = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
*
* BEFORE DECODE (17 bytes)          AFTER DECODE (17 bytes)
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* | Length | Header 1 | Actual Content |---->| Length | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE | "HELLO, WORLD" | | 0x00000C | 0xCAFE | "HELLO, WORLD" |
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field</h3>
*
* This is a combination of all the examples above. There are the prepended
* header before the length field and the extra header after the length field.
* The prepended header affects the <tt>lengthFieldOffset</tt> and the extra
* header affects the <tt>lengthAdjustment</tt>. We also specified a non-zero
* <tt>initialBytesToStrip</tt> to strip the length field and the prepended
* header from the frame. If you don't want to strip the prepended header, you
* could specify <tt>0</tt> for <tt>initialBytesToSkip</tt>.
* <pre>
* lengthFieldOffset = 1 (= the length of HDR1)
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)
*
* BEFORE DECODE (16 bytes)          AFTER DECODE (13 bytes)
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* | HDR1 | Length | HDR2 | Actual Content |---->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" | | 0xFE | "HELLO, WORLD" |
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* </pre>
*
* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field, the length field

```



```

* represents the length of the whole message</h3>
*
* Let's give another twist to the previous example. The only difference from
* the previous example is that the length field represents the length of the
* whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into <tt>lengthAdjustment</tt>.
* Please note that we don't need to take the length of HDR2 into account
* because the length field already includes the whole header length.
* <pre>
* lengthFieldOffset = 1
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = <b>3</b>
*
* BEFORE DECODE (16 bytes)          AFTER DECODE (13 bytes)
* +-----+-----+-----+-----+-----+ +-----+-----+
* | HDR1 | Length | HDR2 | Actual Content |---->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |    | 0xFE | "HELLO, WORLD" |
* +-----+-----+-----+-----+-----+ +-----+-----+
* </pre>
* @see LengthFieldPrepender
*/

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1014221949_1591376597.75/0/netty-all-4-1-16-final-sources-
jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

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* /opt/ws_local/PERMITS_SQL/1014221949_1591376597.75/0/netty-all-4-1-16-final-sources-
jar/io/netty/handler/codec/http/cors/CorsConfigBuilder.java

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* /opt/ws_local/PERMITS_SQL/1014221949_1591376597.75/0/netty-all-4-1-16-final-sources-
jar/io/netty/channel/sctp/DefaultSctpServerChannelConfig.java
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 */
/**
 * Set the {@code TCP_MD5SIG} option on the socket. See {@code linux/tcp.h} for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
 */
```

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```
* /opt/ws_local/PERMITS_SQL/1014221949_1591376597.75/0/netty-all-4-1-16-final-sources-
jar/io/netty/channel/epoll/EpollServerSocketChannelConfig.java
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jar/io/netty/channel/AbstractCoalescingBufferQueue.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/http2/Http2ConnectionPrefaceWrittenEvent.java

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jar/io/netty/example/ocsp/Digester.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/example/ocsp/OcspRequestBuilder.java

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jar/io/netty/example/ocsp/OcspUtils.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/http/cors/OkResponseHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/cors/CorsHandler.java  
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*/  
/*  
* Adaptation of http://bjoern.hoehrmann.de/utf-8/decoder/dfa/
```

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jar/io/netty/channel/rxtx/RxtxChannelConfig.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/rxtx/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/udt/UdtServerChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/oio/OioByteStreamChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/sctp/SctpChannelOption.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/rxtx/RxtxDeviceAddress.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/rxtx/DefaultRxtxChannelConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/rxtx/RxtxChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/rxtx/RxtxChannelOption.java

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// https://tools.ietf.org/html/rfc7540#section-8.1.2.2 makes a special exception for TE
```

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* /opt/ws_local/PERMITS_SQL/1014221949_1591376597.75/0/netty-all-4-1-16-final-sources-
jar/io/netty/handler/codec/http2/HttpConversionUtil.java
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jar/io/netty/handler/codec/http/websocketx/WebSocket08FrameEncoder.java
```

```
* /opt/ws_local/PERMITS_SQL/1014221949_1591376597.75/0/netty-all-4-1-16-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocket13FrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1014221949_1591376597.75/0/netty-all-4-1-16-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocket07FrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1014221949_1591376597.75/0/netty-all-4-1-16-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocket07FrameEncoder.java
* /opt/ws_local/PERMITS_SQL/1014221949_1591376597.75/0/netty-all-4-1-16-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocket08FrameDecoder.java
* /opt/ws_local/PERMITS_SQL/1014221949_1591376597.75/0/netty-all-4-1-16-final-sources-
jar/io/netty/handler/codec/http/websocketx/WebSocket13FrameEncoder.java
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/internal/logging/JdkLogger.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/internal/logging/InternalLogger.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/internal/logging/CommonsLogger.java

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- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/util/InsecureTrustManagerFactory.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/compression/Bzip2BlockCompressor.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/epoll/EpollServerSocketChannel.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockRawDecoder.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/CipherSuiteFilter.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/Java7SslParametersUtils.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/proxy/Socks5ProxyHandler.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/stomp/DefaultStompHeadersSubframe.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/JettyNpnSslEngine.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/compression/Lz4FrameDecoder.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/xml/XmlNamespace.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/concurrent/PromiseNotifier.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/socksx/v4/AbstractSocks4Message.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/AbstractEventLoop.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/SimpleNameResolver.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/epoll/EpollTcpInfo.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionData.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/socksx/v4/package-info.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/socksx/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthResponseDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ipfilter/AbstractRemoteAddressFilter.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/mqtt/MqttConnectReturnCode.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/dns/DnsNameResolverContext.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/spdy/SpdyFrameEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/compression/FastLzFrameDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/dns/DnsNameResolver.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/JdkBaseApplicationProtocolNegotiator.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/spdy/SpdyFrameDecoderDelegate.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/OpenSslX509Certificate.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/dns/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/compression/SnappyFramedEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4ServerEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/xml/XmlDTD.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4ClientEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/ResourceLeakHint.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/compression/Crc32.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/stomp/DefaultStompFrame.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/internal/InternalThreadLocalMap.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/JdkApplicationProtocolNegotiator.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/mqtt/MqttSubAckMessage.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/dns/DnsServerAddresses.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanAllocator.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/JdkSslServerContext.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/mqtt/MqttSubscribePayload.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/xml/XmlSpace.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/http/websocketx/benchmarkserver/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/json/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/mqtt/MqttPubAckMessage.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/haproxy/HAProxyMessageDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/HttpMessageUtil.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/JettyAlpnSslEngine.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/ReflectiveChannelFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/WebSocketClientCompressionHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/mqtt/MqttConnectVariableHeader.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ipfilter/IpFilterRule.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketServerExtension.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/compression/Bzip2DivSufSort.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/mqtt/MqttMessageType.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/compression/Bzip2Constants.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/stomp/StompSubframeAggregator.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/xml/XmlProcessingInstruction.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http2/Http2OutboundFrameLogger.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/haproxy/HAProxyProtocolVersion.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/stomp/StompSubframeDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/SslContext.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/JdkAlpnApplicationProtocolNegotiator.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/spdy/client/SpdyClientInitializer.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/mqtt/MqttIdentifierRejectedException.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/SniHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/proxy/HttpProxyHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/haproxy/HAProxyConstants.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/proxy/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/xml/XmlDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/http2/helloworld/server/Http2ServerInitializer.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/util/SimpleTrustManagerFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/epoll/NativeDatagramPacketArray.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/stomp/StompHeadersSubframe.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/internal/IntegerHolder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ipfilter/IpFilterRuleType.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/spdy/client/SpdyFrameLogger.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolConfig.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/compression/SnappyFramedDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtensionUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/concurrent/FastThreadLocal.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/xml/XmlElementEnd.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/spdy/SpdyFrameCodec.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandResponseDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/OpenSslEngineMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/websocketx/Utf8FrameValidator.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/epoll/EpollEventLoopGroup.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/haproxy/HAProxyCommand.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/file/FileServerHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/http2/helloworld/server/Http2Server.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/AsciiHeadersEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/xml/XmlContent.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/xml/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/compression/Bzip2Encoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ipfilter/IpSubnetFilterRule.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/stomp/StompFrame.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/concurrent/PromiseAggregator.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/JdkSslEngine.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/util/OpenJdkSelfSignedCertGenerator.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/haproxy/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketExtension.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/stomp/StompSubframeEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/stomp/StompSubframe.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/mqtt/MqttUnsubAckMessage.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/CipherSuiteConverter.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4Message.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5CommandRequestDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketClientExtensionHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/stomp/DefaultStompHeaders.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/stomp/StompClient.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/stomp/LastStompContentSubframe.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/http2/helloworld/server/HelloWorldHttp1Handler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerFrameDeflateDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/OpenSslServerSessionContext.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/util/FingerprintTrustManagerFactory.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/HttpHeaderValues.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/unix/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ipfilter/UniqueIpFilter.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/JdkDefaultApplicationProtocolNegotiator.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/mqtt/MqttUnacceptableProtocolVersionException.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketClientExtensionHandshaker.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/HttpStatusClass.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5InitialResponseDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/stomp/StompCommand.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/spdy/client/HttpResponseClientHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/OpenSslDefaultApplicationProtocolNegotiator.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/json/JsonObjectDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/mqtt/MqttUnsubscribeMessage.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/xml/XmlDocumentEnd.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/OpenSsl.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthRequestDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/epoll/EpollSocketChannel.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/mqtt/MqttUnsubscribePayload.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ipfilter/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/epoll/AbstractEpollChannel.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/resolver/NoopAddressResolverGroup.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/epoll/Epoll.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateFrameServerExtensionHandshaker.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/spdy/SpdyHeaderBlockDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/http/websocketx/client/WebSocketClient.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/compression/Bzip2Rand.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/mqtt/MqttConnAckVariableHeader.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/proxy/Socks4ProxyHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/AsciiString.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/internal/NativeLibraryLoader.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/mqtt/MqttConnAckMessage.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/Mapping.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/SupportedCipherSuiteFilter.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5Message.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/OpenSslEngine.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/compression/Lz4Constants.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/mqtt/MqttSubAckPayload.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/PendingWriteQueue.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/embedded/EmbeddedChannelId.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/internal/UnpaddedInternalThreadLocalMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/compression/LzfDecoder.java  
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- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http2/HpackHuffmanEncoder.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http2/HpackUtil.java
- \* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http2/HpackHuffmanDecoder.java
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- \* Set the { @code TCP\_MD5SIG } option on the socket. See { @code linux/tcp.h } for more details.
- \* Keys can only be set on, not read to prevent a potential leak, as they are confidential.
- \* Allowing them being read would mean anyone with access to the channel could get them.

\*/

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- \* Set the { @code TCP\_QUICKACK } option on the socket. See <a

[href="http://linux.die.net/man/7/tcp">TCP\\_QUICKACK</a>](http://linux.die.net/man/7/tcp)

\* for more details.

\*/

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/AbstractEventLoopGroup.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/memcache/binary/DefaultFullBinaryMemcacheResponse.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/FixedCompositeByteBuf.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/memcache/LastMemcacheContent.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthStatus.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/concurrent/DefaultPromise.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheObjectAggregator.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/internal/EmptyArrays.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/spdy/SpdyHttpDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/socket/oio/DefaultOioSocketChannelConfig.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdyPingFrame.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/concurrent/DefaultProgressivePromise.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/http/helloworld/HttpHelloWorldServerInitializer.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/memcache/DefaultLastMemcacheContent.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/concurrent/Future.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/memcache/AbstractMemcacheObjectAggregator.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/Recycler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/DefaultFullHttpRequest.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/PooledUnsafeDirectByteBuf.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/memcache/binary/AbstractBinaryMemcacheMessage.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/socket/oio/OioSocketChannelConfig.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdySynStreamFrame.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheResponseStatus.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/spdy/SpdyStreamStatus.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/DefaultFullHttpResponse.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheServerCodec.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/ConnectTimeoutException.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/socks/v5/Socks5AuthMethod.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/group/DefaultChannelGroup.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheResponse.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/ReadOnlyByteBufferBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/concurrent/GenericProgressiveFutureListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/internal/TypeParameterMatcher.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/DefaultChannelId.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/EmptyByteBuf.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/ChannelProgressiveFuture.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/spdy/SpdySessionHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdySynReplyFrame.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/sctp/SctpServerChannelConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/sctp/SctpChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-



jar/io/netty/channel/sctp/nio/NioSctpServerChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/channel/sctp/nio/NioSctpChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/example/worldclock/WorldClockProtocol.proto  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/channel/sctp/SctpMessage.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/channel/sctp/SctpChannelConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/channel/sctp/DefaultSctpChannelConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/channel/sctp/SctpNotificationHandler.java

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jar/io/netty/bootstrap/ServerBootstrap.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/channel/ChannelFlushPromiseNotifier.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/http/multipart/CaseIgnoringComparator.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/compression/SnappyFrameEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/handler/codec/compression/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/channel/DefaultEventLoopGroup.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-  
jar/io/netty/example/file/FileServer.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/group/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/udt/echo/message/MsgEchoClient.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/group/DefaultChannelGroupFuture.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/ChannelInboundHandlerAdapter.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/ssl/util/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/proxy/HexDumpProxy.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/udt/echo/bytes/ByteEchoServer.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/marshalling/DefaultMarshallerProvider.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/MessageToMessageDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/http/websocketx/server/WebSocketServerIndexPage.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/timeout/IdleStateEvent.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/internal/logging/Log4JLoggerFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/socket/DatagramChannel.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/ChannelOption.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/ByteToMessageDecoder.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/bootstrap/Bootstrap.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/NetUtil.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/internal/logging/CommonsLoggerFactory.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/spdy/DefaultSpdySettingsFrame.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/spdy/SpdyHttpResponseStreamIdHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker13.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/HttpObjectDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/websocketx/CloseWebSocketFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/nio/NioEventLoop.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/socket/oio/OioDatagramChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/http/upload/HttpUploadServerInitializer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/socket/ServerSocketChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/serialization/ObjectEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/HttpResponseDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/ServerChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/PooledByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/embedded/EmbeddedSocketAddress.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/localecho/LocalEchoServerHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/serialization/CompactObjectOutputStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/socksx/v4/DefaultSocks4CommandRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/http/upload/HttpUploadClient.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/group/CombinedIterator.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/ChannelConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5InitialRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/ReadOnlyByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/HttpVersion.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/socket/DatagramChannelConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/marshalling/MarshallerProvider.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/echo/EchoServerHandler.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/websocketx/package-info.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/base64/Base64Decoder.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/factorial/BigIntegerDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/rtsp/RtspHeaders.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/socks/SocksMessageEncoder.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/MessageToMessageCodec.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/socks/UnknownSocksResponse.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/HttpObjectAggregator.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/compression/ZlibUtil.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/socket/DatagramPacket.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/http/upload/HttpUploadServerHandler.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/worldclock/WorldClockServer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/ChannelOutboundHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/socks/SocksResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/marshalling/MarshallingDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/CompleteChannelFuture.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/rtsp/RtspRequestEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/rtsp/RtspResponseEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/udt/UdtMessage.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codecs/http/websocketx/WebSocketServerHandshaker07.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/embedded/EmbeddedChannel.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/uptime/UptimeClientHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codecs/spdy/SpdySession.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/ByteBufOutputStream.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codecs/http/multipart/AbstractDiskHttpData.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/Timeout.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codecs/socks/SocksAuthRequest.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/local/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/internal/StringUtil.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/DuplicatedByteBuf.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codecs/http/multipart/HttpPostRequestDecoder.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/http/helloworld/HttpHelloWorldServer.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codecs/socks/v5/DefaultSocks5PasswordAuthRequest.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/multipart/HttpPostStandardRequestDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/serialization/CompactObjectInputStream.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/Delimiters.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/marshalling/ChannelBufferByteOutput.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/serialization/ObjectDecoderInputStream.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/PoolChunkList.java



\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/socks/SocksCmdResponse.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/bootstrap/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/socket/DefaultSocketChannelConfig.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/websocketx/PingWebSocketFrame.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/timeout/TimeoutException.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/timeout/WriteTimeoutException.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/socket/DefaultServerSocketChannelConfig.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/concurrent/DefaultEventExecutor.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/concurrent/EventExecutor.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/PoolArena.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/objectecho/ObjectEchoServerHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/socksx/v5/DefaultSocks5PasswordAuthResponse.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/localecho/LocalEchoClientHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/udt/echo/message/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/udt/echo/rendezvous/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/socksx/v5/DefaultSocks5InitialRequest.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/LengthFieldPrepender.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/ReplayingDecoder.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/stream/ChunkedInput.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/ChannelPromiseAggregator.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/multipart/FileUpload.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/rtsp/RtspObjectEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/compression/Snappy.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/udt/echo/rendezvous/Config.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/telnet/TelnetServerHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/DefaultChannelPipeline.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/spdy/SpdyHttpEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/serialization/ClassResolver.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/udt/echo/rendezvousBytes/ByteEchoPeerBase.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/ByteBufUtil.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/multipart/MemoryAttribute.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/compression/JdkZlibEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker00.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/DecoderResult.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/DefaultHttpRequest.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/factorial/FactorialClientHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/rtsp/RtspVersions.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/SingleThreadEventLoop.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/udt/echo/bytes/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/AttributeMap.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/socksx/v5/package-info.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/worldclock/WorldClockClientHandler.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/buffer/PoolThreadCache.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/http/DefaultHttpContent.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/TooLongFrameException.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/socket/nio/NioSocketChannel.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/AdaptiveRecvByteBufAllocator.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/channel/epoll/EpollDatagramChannelConfig.java

\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/util/concurrent/FailedFuture.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/handler/codec/compression/ZlibDecoder.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221949\_1591376597.75/0/netty-all-4-1-16-final-sources-jar/io/netty/example/securechat/SecureChatClientInitializer.java

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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')+;
```

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```
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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 ebfnRoot] returns [List<? extends SrcOp> omos]
: ^( blk=BLOCK (^ (OPTIONS .+))?
{List<CodeBlockForAlt> alts = new ArrayList<CodeBlockForAlt>();}
( alternative {alts.add($alternative.altCodeBlock);} )+
)
{
if ( alts.size()==1 && ebfnRoot==null) return alts;
if ( ebfnRoot==null ) {
    $omos = DefaultOutputModelFactory.list(controller.getChoiceBlock((BlockAST)$blk, alts, $label));
}
else {
    Choice choice = controller.getEBNFBlock($ebfnRoot, 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);}
;

/*
addElement
: 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)
;

```

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```
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\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/semantics/AttributeChecks.java

\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/ActionText.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/target/JavaTarget.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/ThrowEarlyExitException.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/RuleActionFunction.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/chunk/LocalRef.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/semantics/BlankActionSplitterListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/tool/Grammar.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/LL1PlusBlockSingleAlt.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/tool/GrammarInterpreterRuleContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/tool/ANTLRToolListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-

jar/org/antlr/v4/codegen/target/CppTarget.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/chunk/NonLocalAttrRef.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/chunk/LabelRef.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef\_channel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/decl/ContextRuleGetterDecl.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/tool/DefaultToolListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/CodeGenerator.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/tool/Attribute.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/decl/TokenTypeDecl.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/tool/LexerGrammar.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/LL1StarBlockSingleAlt.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/gui/TreeLayoutAdaptor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/semantics/RuleCollector.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/tool/ast/NotAST.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/tool/Alternative.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/Wildcard.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/gui/SystemFontMetrics.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/ListenerFile.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/LL1AltBlock.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/ParserFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/tool/ast/RuleElementAST.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/gui/JFileChooserConfirmOverwrite.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/OptionalBlock.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/codegen/model/decl/AttributeDecl.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-

jar/org/antlr/v4/tool/ast/BlockAST.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/automata/ATNPrinter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/CaptureNextToken.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/ThrowNoViableAlt.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef\_type.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/ExceptionClause.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef\_start.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef\_stop.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/ElementFrequenciesVisitor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/OutputModelObject.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/Rule.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/misc/Utils.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/CaptureNextTokenType.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/SrcOp.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/LeftRecursiveRuleFunction.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/ParserFile.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/Action.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/parse/v4ParserException.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef\_text.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/misc/FrequencySet.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/semantics/SymbolCollector.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/analysis/LeftRecursionDetector.java



\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/decl/RuleContextListDecl.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef\_index.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/decl/ContextRuleListIndexedGetterDecl.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/ArgAction.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/ArgRef.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ast/TerminalAST.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/analysis/LeftRecursiveRuleAnalyzer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/LL1OptionalBlockSingleAlt.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/decl/ContextTokenListIndexedGetterDecl.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/misc/EscapeSequenceParsing.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/decl/CodeBlock.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/ActionTemplate.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ast/OptionalBlockAST.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ast/RuleAST.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/decl/RuleContextDecl.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/Choice.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/InvokeRule.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/parse/v3TreeGrammarException.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/misc/MutableInt.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/automata/ParserATNFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/UnicodeEscapes.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/LL1OptionalBlock.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/Target.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/chunk/RulePropertyRef\_start.java

\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/CodeGeneratorExtension.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/decl/ContextRuleListGetterDecl.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/ast/GrammarAST.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/gui/BasicFontMetrics.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/gui/TestRig.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/semantics/SemanticPipeline.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/BuildDependencyGenerator.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/MatchNotSet.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/model/CodeBlockForAlt.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/codegen/target/Python3Target.java

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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/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/parse/BlockSetTransformer.g

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\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/templates/messages/formats/gnu.stg

\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/templates/messages/formats/antlr.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/ws_local/PERMITS_SQL/1014221960_1591897522.14/0/antlr4-4-7-1-sources-
jar/org/antlr/v4/parse/LeftRecursiveRuleWalker.g
```

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 */
```

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```

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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)

;

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\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/parse/ATNBuilder.g

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jar/org/antlr/v4/tool/templates/codegen/JavaScript/JavaScript.stg

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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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```

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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 | [\u1000-\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 gramamr 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/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/parse/ANTLRLexer.g

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```
* /opt/ws_local/PERMITS_SQL/1014221960_1591897522.14/0/antlr4-4-7-1-sources-  
jar/org/antlr/v4/parse/ATNBuilder.java
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```

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```

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*
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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 {
```

```
/*
```

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

```
Copyright (c) 2011 Terence Parr
```

```
All rights reserved.
```

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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/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/parse/GrammarTreeVisitor.g

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- \*/

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\* /opt/ws\_local/PERMITS\_SQL/1014221960\_1591897522.14/0/antlr4-4-7-1-sources-jar/org/antlr/v4/tool/templates/codegen/Swift/Swift.stg

## 1.606 powermock 1.6.1

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\* /opt/ws\_local/PERMITS\_SQL/1014221948\_1591897262.44/0/powermock-1-6-1-pom-zip/powermock-1.6.1.pom.rtf

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```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1014221971_1591897540.69/byte-buddy-agent-1-9-3-sources-
jar/net/bytebuddy/agent/VirtualMachine.java
* /opt/ws_local/PERMITS_SQL/1014221971_1591897540.69/byte-buddy-agent-1-9-3-sources-
jar/net/bytebuddy/agent/package-info.java
* /opt/ws_local/PERMITS_SQL/1014221971_1591897540.69/byte-buddy-agent-1-9-3-sources-
jar/net/bytebuddy/agent/Installer.java
* /opt/ws_local/PERMITS_SQL/1014221971_1591897540.69/byte-buddy-agent-1-9-3-sources-
jar/net/bytebuddy/agent/Attacher.java
* /opt/ws_local/PERMITS_SQL/1014221971_1591897540.69/byte-buddy-agent-1-9-3-sources-
jar/net/bytebuddy/agent/ByteBuddyAgent.java
```

## 1.608 instrumentation-java-api 0.4.3

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```
* /opt/ws_local/PERMITS_SQL/1014221967_1591897779.29/0/instrumentation-api-0-4-3-sources-
```

jar/com/google/instrumentation/trace/SpanFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/trace/ContextUtils.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/trace/EndSpanOptions.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/trace/Samplers.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/trace/SpanId.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/trace/SpanBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/trace/Link.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/stats/Distribution.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/trace/Annotation.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/common/TimestampFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/stats/ContextUtils.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/stats/BucketBoundaries.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/trace/Sampler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/trace/BinaryPropagationHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/trace/ScopedSpanHandle.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/trace/TraceOptions.java

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\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-

jar/com/google/instrumentation/trace/AttributeValue.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/trace/TraceId.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/stats/StatsManager.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/common/Function.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/stats/StringUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/stats/MeasurementValue.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/stats/RpcConstants.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/trace/Tracer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/stats/DistributionAggregationDescriptor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/trace/Tracing.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/trace/StartSpanOptions.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/stats/TagValue.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/stats/StatsContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/trace/NetworkEvent.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/stats/View.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/stats/ViewDescriptor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/stats/Tag.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/trace/Status.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/common/Duration.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/stats/IntervalAggregation.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/stats/TagKey.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/trace/BlankSpan.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/stats/DistributionAggregation.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/trace/TraceComponent.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-

jar/com/google/instrumentation/stats/MeasurementMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/stats/IntervalAggregationDescriptor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/stats/StatsContextFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/trace/Span.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/common/Provider.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/common/Timestamp.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/stats/MeasurementDescriptor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/stats/Stats.java  
\* /opt/ws\_local/PERMITS\_SQL/1014221967\_1591897779.29/0/instrumentation-api-0-4-3-sources-  
jar/com/google/instrumentation/trace/SpanContext.java

## 1.609 apache-httpcomponents-core 4.4.1

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httpcomponents-core.pom.rtf

## 1.610 apache-http-client 4.4.1

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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations, which became Zope Corporation. In 2001, the Python Software Foundation (PSF, see <https://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation was a sponsoring member of the PSF.

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1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)



2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
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1.6	1.5.2	2000	CNRI	no
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1.6.1	1.6	2001	CNRI	no
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
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Mersenne Twister

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The `:mod:`_random`` module includes code based on a download from <http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html>. The following are the verbatim comments from the original code::

A C-program for MT19937, with initialization improved 2002/1/26.  
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using `init_genrand(seed)`  
or `init_by_array(init_key, key_length)`.

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## Sockets

-----

The `:mod:`socket`` module uses the functions, `:func:`getaddrinfo``, and `:func:`getnameinfo``, which are coded in separate source files from the WIDE Project, <http://www.wide.ad.jp/>. ::

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Execution tracing

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UUencode and UUdecode functions

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Modified by Jack Jansen, CWI, July 1995:

- Use binascii module to do the actual line-by-line conversion between ascii and binary. This results in a 1000-fold speedup. The C version is still 5 times faster, though.
- Arguments more compliant with Python standard

#### XML Remote Procedure Calls

-----

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`test_epoll`

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Select kqueue

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-----

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Original location:

<https://github.com/majek/csiphash/>

Solution inspired by code from:

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djb ([supercop/crypto\\_auth/siphash24/little2](https://github.com/supercop/crypto_auth/siphash24/little2))

Jean-Philippe Aumasson (<https://131002.net/siphash/siphash24.c>)

## strtod and dtoa

-----

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libffi

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The `:mod:`_ctypes`` extension is built using an included copy of the libffi sources unless the build is configured ```--with-system-libffi```:

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zlib  
----

The :mod:`zlib` extension is built using an included copy of the zlib sources if the zlib version found on the system is too old to be used for the build::

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Jean-loup Gailly      Mark Adler  
jloup@gzip.org      madler@alumni.caltech.edu

cfuhash  
-----

The implementation of the hash table used by the `:mod:`tracemalloc`` is based on the `cfuhash` project::

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libmpdec  
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- web-common\_3\_0.xsd
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```
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jar/jnr/enxio/channels/NativeDeviceChannel.java
* /opt/ws_local/PERMITS_SQL/1014297059_1591372351.24/0/jnr-enxio-0-16-sources-
jar/jnr/enxio/channels/NativeServerSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1014297059_1591372351.24/0/jnr-enxio-0-16-sources-
jar/jnr/enxio/channels/KQSelector.java
* /opt/ws_local/PERMITS_SQL/1014297059_1591372351.24/0/jnr-enxio-0-16-sources-
jar/jnr/enxio/channels/Native.java
* /opt/ws_local/PERMITS_SQL/1014297059_1591372351.24/0/jnr-enxio-0-16-sources-
jar/jnr/enxio/channels/NativeSelectorProvider.java
* /opt/ws_local/PERMITS_SQL/1014297059_1591372351.24/0/jnr-enxio-0-16-sources-
jar/jnr/enxio/channels/NativeSocketChannel.java
* /opt/ws_local/PERMITS_SQL/1014297059_1591372351.24/0/jnr-enxio-0-16-sources-
jar/jnr/enxio/channels/NativeSelectableChannel.java
* /opt/ws_local/PERMITS_SQL/1014297059_1591372351.24/0/jnr-enxio-0-16-sources-
jar/jnr/enxio/channels/KQSelectionKey.java
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- \* /opt/ws\_local/PERMITS\_SQL/1014297059\_1591372351.24/0/jnr-enxio-0-16-sources-jar/jnr/enxio/channels/PollSelector.java

# 1.617 yoga-core 1.5.0

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## 1.620 hk2-implementation-utilities 2.6.1

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# 1.623 hk2-api-module 2.6.1

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- \* /opt/ws\_local/PERMITS\_SQL/1014297050\_1591897322.69/0/jnr-unixsocket-0-18-sources-jar/jnr/unixsocket/BindHandler.java
- \* /opt/ws\_local/PERMITS\_SQL/1014297050\_1591897322.69/0/jnr-unixsocket-0-18-sources-jar/jnr/unixsocket/UnixSocketOptions.java
- \* /opt/ws\_local/PERMITS\_SQL/1014297050\_1591897322.69/0/jnr-unixsocket-0-18-sources-jar/jnr/unixsocket/UnixDatagramChannel.java
- \* /opt/ws\_local/PERMITS\_SQL/1014297050\_1591897322.69/0/jnr-unixsocket-0-18-sources-jar/jnr/enxio/channels/Common.java

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- \* /opt/ws\_local/PERMITS\_SQL/1014297058\_1591384620.05/0/spring-boot-starter-validation-2-1-10-release-sources-jar/META-INF/maven/org.springframework.boot/spring-boot-starter-validation/pom.xml

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## 1.630 servicelocator-default-implementation

### 2.6.1

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\* /opt/ws\_local/PERMITS\_SQL/1014298133\_1591365851.7/0/javax-inject-2-5-0-b05-sources-jar/javax/inject/Named.java

\* /opt/ws\_local/PERMITS\_SQL/1014298133\_1591365851.7/0/javax-inject-2-5-0-b05-sources-jar/javax/inject/Qualifier.java

\* /opt/ws\_local/PERMITS\_SQL/1014298133\_1591365851.7/0/javax-inject-2-5-0-b05-sources-jar/javax/inject/Singleton.java

\* /opt/ws\_local/PERMITS\_SQL/1014298133\_1591365851.7/0/javax-inject-2-5-0-b05-sources-jar/javax/inject/Provider.java

## 1.634 jackson-annotations jackson-annotations 2.9.10

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Found in path(s):

```
*/opt/ws_local/PERMITS_SQL/1014298136_1591897446.55/0/netty-all-4-1-43-final-sources-
jar/io/netty/util/internal/ResourcesUtil.java
*/opt/ws_local/PERMITS_SQL/1014298136_1591897446.55/0/netty-all-4-1-43-final-sources-
jar/io/netty/util/ByteProcessorUtils.java
*/opt/ws_local/PERMITS_SQL/1014298136_1591897446.55/0/netty-all-4-1-43-final-sources-
jar/io/netty/handler/codec/redis/InlineCommandRedisMessage.java
```

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- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/util/internal/logging/LocationAwareSlf4JLogger.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/Http2StreamChannel.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/Conscrypt.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/SniCompletionEvent.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/resolver/dns/SequentialDnsServerAddressStreamProvider.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/SslCloseCompletionEvent.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/resolver/dns/TraceDnsQueryLifecycleObserverFactory.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/util/internal/ReflectionUtil.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/buffer/ByteBufAllocatorMetricProvider.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/internal/package-info.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/resolver/dns/UniSequentialDnsServerAddressStreamProvider.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/nio/SelectedSelectionKeySetSelector.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/resolver/dns/UnixResolverDnsServerAddressStreamProvider.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2UnknownFrame.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/socket/oio/OioDatagramChannelConfig.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketScheme.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/Http2UnknownFrame.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/resolver/dns/BiDnsQueryLifecycleObserverFactory.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/buffer/ByteBufAllocatorMetric.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/util/UncheckedBooleanSupplier.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/resolver/ResolvedAddressTypes.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/resolver/dns/BiDnsQueryLifecycleObserver.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/resolver/dns/MultiDnsServerAddressStreamProvider.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/buffer/PooledByteBufAllocatorMetric.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/util/internal/ObjectCleaner.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/example/uptime/UptimeServerHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/DelegatingChannelPromiseNotifier.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/ocsp/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/resolver/dns/DnsServerAddressStreamProviders.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/bootstrap/FailedChannel.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/Http2FrameStreamEvent.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/internal/tcnative/SniHostNameMatcher.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/resolver/dns/NoopDnsQueryLifecycleObserverFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/Http2FrameCodecBuilder.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/resolver/dns/DefaultDnsServerAddressStreamProvider.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/util/internal/EmptyPriorityQueue.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/ConscryptAlpnSslEngine.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/resolver/dns/SingletonDnsServerAddressStreamProvider.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/OptionalSslHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/resolver/dns/DnsServerAddressStreamProvider.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/PendingBytesTracker.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/example/uptime/UptimeServer.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/CleartextHttp2ServerUpgradeHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/Java9SslEngine.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/util/SuppressForbidden.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/ocsp/OcspClientHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/internal/ChannelUtils.java



\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/resolver/dns/TraceDnsQueryLifecycleObserver.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/Java9SslUtils.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/mqtt/MqttMessageBuilders.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/resolver/dns/NoopDnsQueryLifecycleObserver.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/util/internal/PriorityQueue.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/Http2StreamChannelBootstrap.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/util/internal/LongAdderCounter.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/SslCompletionEvent.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http/HttpServerExpectContinueHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/resolver/dns/DnsQueryLifecycleObserverFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/Http2MultiplexCodecBuilder.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/Http2StreamChannelId.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/socket/oio/DefaultOioDatagramChannelConfig.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/socket/ChannelOutputShutdownException.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/util/NettyRuntime.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http/ReadOnlyHttpHeaders.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/internal/tcnative/NativeStaticallyReferencedJniMethods.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/unix/UnixChannelUtil.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/resolver/dns/DnsQueryLifecycleObserver.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/socket/ChannelOutputShutdownEvent.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/resolver/dns/DnsCacheEntry.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/resolver/dns/DnsNameResolverTimeoutException.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/socket/ChannelInputShutdownReadComplete.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/AbstractSniHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/resolver/HostsFileEntries.java

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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/util/internal/MathUtil.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/WeightedFairQueueByteDistributor.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/StreamBufferingEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/DefaultHeadersImpl.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/ValueConverter.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/util/ByteProcessor.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/UniformStreamByteDistributor.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/DecoratingHttp2ConnectionDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/Http2PromisedRequestVerifier.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/DecoratingHttp2FrameWriter.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/CoalescingBufferQueue.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/StreamByteDistributor.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/DecoratingHttp2ConnectionEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-

jar/io/netty/handler/codec/CharSequenceValueConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/http2/InboundHttp2ToHttpAdapterBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/http2/AbstractInboundHttp2ToHttpAdapterBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/http2/Http2StreamVisitor.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/pool/ChannelPool.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/rtsp/RtspDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/dns/DnsRecordEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/ssl/OpenSslSessionTicketKey.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/resolver/InetAddressResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/example/http2/tiles/Http2OrHttpHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/example/http2/tiles/Http1RequestHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/dns/DnsQuery.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/concurrent/AbstractScheduledEventExecutor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/http/cookie/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/http/cookie/Cookie.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codecs/dns/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codecs/HeadersUtils.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/util/internal/PriorityQueueNode.java

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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/dns/AbstractDnsMessage.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/dns/DatagramDnsResponseEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/pool/AbstractChannelPoolMap.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/buffer/PoolChunkListMetric.java

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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http/cookie/CookieDecoder.java

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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/buffer/AbstractUnsafeSwappedByteBuf.java

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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/dns/DefaultDnsQuestion.java

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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/util/DomainMappingBuilder.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/util/internal/CleanerJava6.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/buffer/UnsafeDirectSwappedByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/util/concurrent/FastThreadLocalThread.java  
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\* Set the { @code TCP\_MD5SIG } option on the socket. See { @code linux/tcp.h } for more details.

\* Keys can only be set on, not read to prevent a potential leak, as they are confidential.

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\*/

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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/epoll/EpollServerSocketChannelConfig.java

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- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http/FullHttpRequest.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/util/concurrent/GenericFutureListener.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/util/concurrent/AbstractEventExecutor.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/udt/UdtChannelOption.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/util/concurrent/ImmediateEventExecutor.java
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- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/util/internal/PlatformDependent0.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheResponseEncoder.java
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- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/memcache/LastMemcacheContent.java
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/ConstantPool.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/concurrent/DefaultThreadFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/ResourceLeakDetector.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/ssl/SslHandshakeCompletionEvent.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/spdy/SpdyHeaderBlockZlibEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/spdy/SpdyHeaderBlockRawEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/http/FullHttpResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/ChannelId.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/DefaultChannelProgressivePromise.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/socksx/v5/Socks5PasswordAuthStatus.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/socks/SocksRequestType.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/buffer/SimpleLeakAwareByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-

jar/io/netty/util/internal/AppendableCharSequence.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/example/worldclock/WorldClockProtocol.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/socket/oio/DefaultOioServerSocketChannelConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/buffer/EmptyByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/MessageSizeEstimator.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/buffer/AbstractReferenceCountedByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/concurrent/Future.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/spdy/DefaultSpdyHeaders.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/buffer/ReadOnlyByteBufferBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/spdy/SpdySessionStatus.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/spdy/DefaultSpdyGoAwayFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheMessage.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/http/websocketx/WebSocketClientProtocolHandshakeHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/spdy/SpdyRstStreamFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/AbstractReferenceCounted.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/udt/DefaultUdtServerChannelConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/xml/XmlFrameDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/memcache/MemcacheObject.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/epoll/Native.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/spdy/DefaultSpdyPingFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/spdy/DefaultSpdySynStreamFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/buffer/AdvancedLeakAwareByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-



jar/io/netty/handler/codec/socks/SocksAuthStatus.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/internal/EmptyArrays.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/memcache/MemcacheContent.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/example/http/helloworld/HttpHelloWorldServerInitializer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/http/DefaultFullHttpRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/ConnectTimeoutException.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/memcache/DefaultMemcacheContent.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/concurrent/ScheduledFutureTask.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/group/ChannelGroupException.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/ChannelProgressiveFuture.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/concurrent/GenericProgressiveFutureListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/compression/JdkZlibDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/group/ChannelGroup.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/udt/UdtServerChannelConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/spdy/SpdyGoAwayFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/memcache/binary/FullBinaryMemcacheRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/concurrent/FutureListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/ReferenceCounted.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/memcache/binary/AbstractBinaryMemcacheEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/AddressedEnvelope.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/Recycler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/spdy/DefaultSpdySynReplyFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/buffer/WrappedByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheServerCodec.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-

jar/io/netty/handler/codec/spdy/SpdyCodecUtil.java  
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jar/io/netty/util/concurrent/PromiseTask.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/internal/PendingWrite.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/spdy/SpdyPingFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/ChannelHandlerAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/spdy/DefaultSpdyDataFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/internal/ReadOnlyIterator.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/http/websocketx/WebSocketFrameAggregator.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/group/ChannelMatcher.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/memcache/binary/DefaultFullBinaryMemcacheResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/socket/oio/DefaultOioSocketChannelConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/buffer/ReadOnlyUnsafeDirectByteBuffer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/socksx/v5/Socks5CommandType.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/socket/oio/OioSocketChannelConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/memcache/binary/DefaultBinaryMemcacheResponse.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheObjectAggregator.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/ChannelProgressivePromise.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/socks/SocksAddressType.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/spdy/DefaultSpdyHeadersFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/spdy/SpdyVersion.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/socks/SocksSubnegotiationVersion.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-

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 \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
 jar/io/netty/channel/group/DefaultChannelGroup.java  
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 jar/io/netty/util/concurrent/AbstractFuture.java  
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 jar/io/netty/channel/SimpleChannelInboundHandler.java  
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 jar/io/netty/handler/codec/memcache/binary/BinaryMemcacheOpCodes.java  
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* /opt/ws_local/PERMITS_SQL/1014298136_1591897446.55/0/netty-all-4-1-43-final-sources-
jar/io/netty/util/internal/ThreadLocalRandom.java
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* under the License.
*/
/**
 * Set the {@code TCP_MD5SIG} option on the socket. See {@code linux/tcp.h} for more details.
 * Keys can only be set on, not read to prevent a potential leak, as they are confidential.
 * Allowing them being read would mean anyone with access to the channel could get them.
 */
/**
 * Set the {@code TCP_QUICKACK} option on the socket. See <a
 href="http://linux.die.net/man/7/tcp">TCP_QUICKACK</a>
```

\* for more details.

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/epoll/EpollSocketChannelConfig.java

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Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/sctp/SctpServerChannelConfig.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/sctp/SctpMessage.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/sctp/nio/NioSctpServerChannel.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/sctp/nio/NioSctpChannel.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/traffic/AbstractTrafficShapingHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/sctp/DefaultSctpChannelConfig.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/example/worldclock/WorldClockProtocol.proto

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/sctp/SctpChannel.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/sctp/SctpServerChannel.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/sctp/SctpChannelConfig.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/sctp/SctpNotificationHandler.java

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Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1014298136_1591897446.55/0/netty-all-4-1-43-final-sources-
jar/io/netty/util/concurrent/FastThreadLocalRunnable.java
* /opt/ws_local/PERMITS_SQL/1014298136_1591897446.55/0/netty-all-4-1-43-final-sources-
jar/io/netty/util/internal/Cleaner.java
* /opt/ws_local/PERMITS_SQL/1014298136_1591897446.55/0/netty-all-4-1-43-final-sources-
jar/io/netty/util/internal/CleanerJava9.java
```

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Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1014298136_1591897446.55/0/netty-all-4-1-43-final-sources-
jar/io/netty/handler/traffic/ChannelTrafficShapingHandler.java
* /opt/ws_local/PERMITS_SQL/1014298136_1591897446.55/0/netty-all-4-1-43-final-sources-
jar/io/netty/channel/udt/nio/NioUdtMessageAcceptorChannel.java
```

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/udt/UdtChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/sctp/SctpInboundByteStreamHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/traffic/GlobalTrafficShapingHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/sctp/SctpMessageToMessageDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/traffic/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/udt/nio/NioUdtAcceptorChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/udt/nio/NioUdtProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/udt/nio/NioUdtByteRendezvousChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/udt/nio/NioUdtMessageRendezvousChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/sctp/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/udt/nio/NioUdtMessageConnectorChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/sctp/SctpMessageCompletionHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/udt/nio/NioUdtByteConnectorChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/traffic/TrafficCounter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/udt/nio/NioUdtByteAcceptorChannel.java  
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// <https://tools.ietf.org/html/rfc7540#section-8.1.2.2> makes a special exception for TE

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/HttpConversionUtil.java

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\*/

/\*\*

\* Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in  
\* its { @link ChannelPipeline }.

\*

\* <h3>Sub-types</h3>

\* <p>

\* { @link ChannelHandler } itself does not provide many methods, but you usually have to implement one of its  
subtypes:

\* <ul>

\* <li>{ @link ChannelInboundHandler } to handle inbound I/O events, and</li>

\* <li>{ @link ChannelOutboundHandler } to handle outbound I/O operations.</li>

\* </ul>

\* </p>

\* <p>

\* Alternatively, the following adapter classes are provided for your convenience:

\* <ul>

\* <li>{ @link ChannelInboundHandlerAdapter } to handle inbound I/O events,</li>

\* <li>{ @link ChannelOutboundHandlerAdapter } to handle outbound I/O operations, and</li>

\* <li>{ @link ChannelDuplexHandler } to handle both inbound and outbound events</li>

\* </ul>

\* </p>

\* <p>

\* For more information, please refer to the documentation of each subtype.

\* </p>

\*

\* <h3>The context object</h3>

\* <p>



\* A [{@link ChannelHandler}](#) is provided with a [{@link ChannelHandlerContext}](#) object. A [{@link ChannelHandler}](#) is supposed to interact with the [{@link ChannelPipeline}](#) it belongs to via a context object. Using the context object, the [{@link ChannelHandler}](#) can pass events upstream or downstream, modify the pipeline dynamically, or store the information (using [{@link AttributeKey}](#)s) which is specific to the handler.

\*

### \* <h3>State management</h3>

\*

\* A [{@link ChannelHandler}](#) often needs to store some stateful information.

\* The simplest and recommended approach is to use member variables:

\* <pre>

```
* public interface Message {
```

```
*     // your methods here
```

```
* }
```

\*

```
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}&lt;Message&gt; {
```

\*

```
*     <b>private boolean loggedIn;</b>
```

\*

```
*     {@code @Override}
```

```
*     public void channelRead0({@link ChannelHandlerContext} ctx, Message message) {
```

```
*         if (message instanceof LoginMessage) {
```

```
*             authenticate((LoginMessage) message);
```

```
*             <b>loggedIn = true;</b>
```

```
*         } else (message instanceof GetDataMessage) {
```

```
*             if (<b>loggedIn</b>) {
```

```
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
```

```
*             } else {
```

```
*                 fail();
```

```
*             }
```

```
*         }
```

```
*     }
```

```
*     ...
```

```
* }
```

```
* </pre>
```

\* Because the handler instance has a state variable which is dedicated to one connection, you have to create a new handler instance for each new channel to avoid a race condition where a unauthenticated client can get the confidential information:

\* <pre>

```
* // Create a new handler instance per channel.
```

```
* // See {@link ChannelInitializer#initChannel(Channel)}.
```

```
* public class DataServerInitializer extends {@link ChannelInitializer}&lt;{@link Channel}&gt; {
```

```
*     {@code @Override}
```

```
*     public void initChannel({@link Channel} channel) {
```

```
*         channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
```

```
*     }
```

```

* }
*
* </pre>
*
* <h4>Using { @link AttributeKey}s</h4>
*
* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use { @link AttributeKey}s which is provided by
* { @link ChannelHandlerContext}:
* <pre>
* public interface Message {
*     // your methods here
* }
*
* { @code @Sharable}
* public class DataServerHandler extends { @link SimpleChannelInboundHandler}&lt;&Message&gt; {
*     private final { @link AttributeKey}&lt;&{ @link Boolean}&gt; auth =
*         { @link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")};
*
*     { @code @Override}
*     public void channelRead({ @link ChannelHandlerContext} ctx, Message message) {
*         { @link Attribute}&lt;&{ @link Boolean}&gt; attr = ctx.attr(auth);
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) o);
*             <b>attr.set(true)</b>;
*         } else (message instanceof GetDataMessage) {
*             if (<b>Boolean.TRUE.equals(attr.get())</b>) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
*             } else {
*                 fail();
*             }
*         }
*     }
* }
* ...
* }
* </pre>
*
* Now that the state of the handler is attached to the { @link ChannelHandlerContext}, you can add the
* same handler instance to different pipelines:
* <pre>
* public class DataServerInitializer extends { @link ChannelInitializer}&lt;&{ @link Channel}&gt; {
*
*     private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();
*
*     { @code @Override}
*     public void initChannel({ @link Channel} channel) {
*         channel.pipeline().addLast("handler", <b>SHARED</b>);
*     }
* }

```

```

* }
* </pre>
*
*
* <h4>The { @code @Sharable } annotation</h4>
* <p>
* In the example above which used an { @link AttributeKey },
* you might have noticed the { @code @Sharable } annotation.
* <p>
* If a { @link ChannelHandler } is annotated with the { @code @Sharable }
* annotation, it means you can create an instance of the handler just once and
* add it to one or more { @link ChannelPipeline }s multiple times without
* a race condition.
* <p>
* If this annotation is not specified, you have to create a new handler
* instance every time you add it to a pipeline because it has unshared state
* such as member variables.
* <p>
* This annotation is provided for documentation purpose, just like
* <a href="http://www.javaconcurrencyinpractice.com/annotations/doc/">the JCIP annotations</a>.
*
* <h3>Additional resources worth reading</h3>
* <p>
* Please refer to the { @link ChannelHandler }, and
* { @link ChannelPipeline } to find out more about inbound and outbound operations,
* what fundamental differences they have, how they flow in a pipeline, and how to handle
* the operation in your application.
*/

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1014298136_1591897446.55/0/netty-all-4-1-43-final-sources-
jar/io/netty/channel/ChannelHandler.java

```

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\*/

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- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/buffer/SimpleLeakAwareCompositeByteBuf.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/flow/package-info.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/string/LineSeparator.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/PreferHeapByteBufAllocator.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/bootstrap/ServerBootstrapConfig.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/util/concurrent/NonStickyEventExecutorGroup.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/PemValue.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/kqueue/KQueueRecvByteAllocatorHandle.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/smtp/DefaultSmtpResponse.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/buffer/AdvancedLeakAwareCompositeByteBuf.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/kqueue/BsdSocket.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/DatagramPacketEncoder.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/example/http2/helloworld/multiplex/server/Http2Server.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/dns/DnsOptPseudoRecord.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/Http2HeadersFrame.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/kqueue/KQueueSocketChannel.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/smtp/DefaultSmtpContent.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/util/concurrent/OrderedEventExecutor.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/Http2ChannelDuplexHandler.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/DateFormatter.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http/HttpServerKeepAliveHandler.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/resolver/dns/InflightNameResolver.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-

jar/io/netty/handler/codec/string/LineEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/concurrent/RejectedExecutionHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/internal/ThrowableUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/DefaultSelectStrategy.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/resolver/RoundRobinInetAddressResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/kqueue/KQueueStaticallyReferencedJniMethods.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/internal/SocketUtils.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/unix/ErrorsStaticallyReferencedJniMethods.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/kqueue/KQueueChannelConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/internal/NativeLibraryUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/smtp/SmtpRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/internal/logging/Log4J2Logger.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/bootstrap/AbstractBootstrapConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/dns/DnsOptEcsRecord.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/kqueue/AcceptFilter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/resolver/dns/RoundRobinDnsAddressResolverGroup.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/ssl/ReferenceCountedOpenSslServerContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/internal/tcnative/SessionTicketKey.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/concurrent/UnaryPromiseNotifier.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/ssl/PemEncoded.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/example/http2/helloworld/multiplex/server/Http2ServerInitializer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/buffer/WrappedCompositeByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/SelectStrategy.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/unix/SocketWritableByteChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-

jar/io/netty/buffer/UnpooledUnsafeNoCleanerDirectByteBuf.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/http2/Http2FrameStreamVisitor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/epoll/LinuxSocket.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/http2/Http2GoAwayFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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jar/io/netty/channel/epoll/NativeStaticallyReferencedJniMethods.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/compression/ByteBufChecksum.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/http/multipart/FileUploadUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/internal/MacAddressUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/kqueue/KQueueDatagramChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/kqueue/KQueueEventLoopGroup.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-

jar/io/netty/example/redis/RedisClientHandler.java

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jar/io/netty/handler/codec/http/websocketx/WebSocket13FrameDecoder.java  
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*/
/**
* Utility class for { @link ByteBuf } that encodes and decodes to and from
* <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
* <p>
* The encoding and decoding algorithm in this class has been derived from
* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
* Base64 Encoder/Decoder</a>.
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jar/io/netty/channel/rxtx/package-info.java  
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jar/io/netty/channel/rxtx/DefaultRxtxChannelConfig.java  
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jar/io/netty/channel/udt/UdtServerChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/rxtx/RxtxChannel.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/rxtx/RxtxChannelOption.java  
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jar/io/netty/channel/rxtx/RxtxChannelConfig.java  
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jar/io/netty/channel/oio/OioByteStreamChannel.java  
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jar/io/netty/handler/codec/socksx/v4/AbstractSocks4Message.java  
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jar/io/netty/handler/codec/xml/XMLDecoder.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/MessageAggregationException.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ipfilter/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/proxy/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/WebSocketClientCompressionHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/CipherSuiteFilter.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/example/spdy/client/SpdyClientStreamIdHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/haproxy/HAProxyProtocolVersion.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/stomp/StompFrame.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/JdkBaseApplicationProtocolNegotiator.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/OpenSslDefaultApplicationProtocolNegotiator.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/stomp/DefaultStompHeadersSubframe.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/stomp/StompCommand.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/example/spdy/server/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/rtp/RtpHeaderValues.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/compression/LzfEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/xml/XmlCdata.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/mqtt/MqttVersion.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/mqtt/MqttConnectReturnCode.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/socksx/package-info.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/Http2OutboundFrameLogger.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/mqtt/MqttMessageType.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/mqtt/MqttSubscribeMessage.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/socksx/v4/Socks4Message.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/mqtt/MqttUnsubscribePayload.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/epoll/EpollServerSocketChannel.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/compression/LzfDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/example/spdy/client/SpdyClientInitializer.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/compression/FastLzFrameDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/compression/Bzip2Decoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http/ClientCookieEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/Http2FrameLogger.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/stomp/DefaultLastStompContentSubframe.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/mqtt/MqttPubAckMessage.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5ClientEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/IdentityCipherSuiteFilter.java

- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/mqtt/MqttPublishVariableHeader.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/package-info.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/OpenSslX509Certificate.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/xml/XmlElementEnd.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/example/http2/helloworld/server/HelloWorldHttp1Handler.java
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- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/example/memcache/binary/MemcacheClient.java
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- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/WebSocketServerExtensionHandshaker.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/OpenSslServerContext.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/proxy/Socks4ProxyHandler.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/spdy/SpdyProtocolException.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5Message.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/stomp/DefaultStompContentSubframe.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/example/stomp/StompClient.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/stomp/StompHeaders.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/mqtt/MqttConnAckVariableHeader.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/stomp/StompSubframe.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/OpenSslSessionContext.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/example/http/websocketx/benchmarkserver/WebSocketServerBenchmarkPage.java



\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/JdkAlpnApplicationProtocolNegotiator.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ipfilter/IpFilterRule.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codecs/compression/Lz4FrameEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codecs/http/websocketx/extensions/compression/DeflateFrameServerExtensionHandshaker.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codecs/mqtt/MqttSubAckPayload.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/epoll/EpollTcpInfo.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codecs/compression/FastLz.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/AbstractEventLoop.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/OpenSslApplicationProtocolNegotiator.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/resolver/dns/DnsAddressResolverGroup.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/unix/IovArray.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codecs/http/websocketx/Utf8FrameValidator.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/example/http/websocketx/benchmarkserver/WebSocketServerHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/SniHandler.java

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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/JdkSslClientContext.java

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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codecs/xml/XmlDocumentEnd.java

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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codecs/json/JsonObjectDecoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/PemReader.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codecs/compression/LzmaFrameEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/JettyNpnSslEngine.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolConfig.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/util/InsecureTrustManagerFactory.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/resolver/SimpleNameResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/OpenSslSessionStats.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/compression/Bzip2Rand.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/DeflateEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/spdy/SpdyFrameDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/util/SimpleTrustManagerFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/compression/Bzip2BlockDecompressor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/util/BouncyCastleSelfSignedCertGenerator.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/JettyAlpnSslEngine.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/stomp/StompSubframeEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/xml/XmlProcessingInstruction.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/PerMessageDeflateEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/socksx/v5/Socks5ServerEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/xml/XmlEntityReference.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http/websocketx/extensions/compression/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/ApplicationProtocolNegotiator.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/mqtt/MqttConnectVariableHeader.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/OpenSslServerSessionContext.java

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* /opt/ws_local/PERMITS_SQL/1014298136_1591897446.55/0/netty-all-4-1-43-final-sources-
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/flow/FlowControlHandler.java

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jar/io/netty/util/internal/logging/CommonsLogger.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/internal/logging/InternalLogger.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/internal/logging/Log4JLogger.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/internal/logging/JdkLogger.java

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\* Adaptation of <http://bjoern.hoehrmann.de/utf-8/decoder/dfa/>

\*

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jar/io/netty/handler/traffic/GlobalChannelTrafficShapingHandler.java  
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jar/io/netty/internal/tcnative/CertificateCallback.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/resolver/dns/NoopDnsCnameCache.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/resolver/dns/Cache.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/unix/Buffer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/SimpleUserEventChannelHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/resolver/dns/NameServerComparator.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-



jar/io/netty/handler/ssl/OpenSslKeyMaterial.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/resolver/dns/AuthoritativeDnsServerCache.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/resolver/dns/NoopAuthoritativeDnsServerCache.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/ssl/DefaultOpenSslKeyMaterial.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/resolver/dns/DefaultAuthoritativeDnsServerCache.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/ssl/OpenSslX509TrustManagerWrapper.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/ssl/OpenSslTlsv13X509ExtendedTrustManager.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/resolver/dns/AuthoritativeDnsServerCacheAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/resolver/dns/DnsAddressDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/resolver/dns/DnsCnameCache.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/ssl/OpenSslCachingKeyMaterialProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/resolver/dns/DirContextUtils.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/ssl/OpenSslSession.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/ssl/OpenSslPrivateKey.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/internal/SuppressJava6Requirement.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/ssl/ExtendedOpenSslSession.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/resolver/dns/DnsRecordResolveContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/ssl/OpenSslKeyMaterialProvider.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/socket/nio/NioChannelOption.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/resolver/dns/DnsAddressResolveContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/ssl/OpenSslCachingX509KeyManagerFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/ssl/OpenSslX509KeyManagerFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/ssl/SignatureAlgorithmConverter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/unix/PreferredDirectByteBufAllocator.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-

jar/io/netty/resolver/dns/DefaultDnsCnameCache.java

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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-

jar/io/netty/channel/sctp/DefaultSctpServerChannelConfig.java

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\* A decoder that splits the received {@link ByteBuf}s dynamically by the

\* value of the length field in the message. It is particularly useful when you

\* decode a binary message which has an integer header field that represents the

\* length of the message body or the whole message.

\* <p>

\* {@link LengthFieldBasedFrameDecoder} has many configuration parameters so

\* that it can decode any message with a length field, which is often seen in

\* proprietary client-server protocols. Here are some example that will give

\* you the basic idea on which option does what.  
 \*  
 \* 

### 2 bytes length field at offset 0, do not strip header

  
 \*  
 \* The value of the length field in this example is `12 (0x0C)` which  
 \* represents the length of "HELLO, WORLD". By default, the decoder assumes  
 \* that the length field represents the number of the bytes that follows the  
 \* length field. Therefore, it can be decoded with the simplistic parameter  
 \* combination.

```
* <pre>
* <b>lengthFieldOffset</b> = <b>0</b>
* <b>lengthFieldLength</b> = <b>2</b>
* lengthAdjustment = 0
* initialBytesToStrip = 0 (= do not strip header)
```

```
* BEFORE DECODE (14 bytes)    AFTER DECODE (14 bytes)
* +-----+-----+ +-----+-----+
* | Length | Actual Content |---->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" |   | 0x000C | "HELLO, WORLD" |
* +-----+-----+ +-----+-----+
* </pre>
```

\* 

### 2 bytes length field at offset 0, strip header

  
 \*  
 \* Because we can get the length of the content by calling  
 \* `{@link ByteBuf#readableBytes()}`, you might want to strip the length  
 \* field by specifying `initialBytesToStrip`. In this example, we  
 \* specified `2`, that is same with the length of the length field, to  
 \* strip the first two bytes.

```
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* lengthAdjustment = 0
* <b>initialBytesToStrip</b> = <b>2</b> (= the length of the Length field)
```

```
* BEFORE DECODE (14 bytes)    AFTER DECODE (12 bytes)
* +-----+-----+ +-----+-----+
* | Length | Actual Content |---->| Actual Content |
* | 0x000C | "HELLO, WORLD" |   | "HELLO, WORLD" |
* +-----+-----+ +-----+-----+
* </pre>
```

\* 

### 2 bytes length field at offset 0, do not strip header, the length field \* represents the length of the whole message

  
 \*  
 \* In most cases, the length field represents the length of the message body  
 \* only, as shown in the previous examples. However, in some protocols, the  
 \* length field represents the length of the whole message, including the

\* message header. In such a case, we specify a non-zero  
 \* <tt>lengthAdjustment</tt>. Because the length value in this example message  
 \* is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>  
 \* as <tt>lengthAdjustment</tt> for compensation.

```
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-2</b> (= the length of the Length field)
* initialBytesToStrip = 0
```

\* BEFORE DECODE (14 bytes)      AFTER DECODE (14 bytes)

```
* +-----+-----+-----+-----+
* | Length | Actual Content |---->| Length | Actual Content |
* | 0x000E | "HELLO, WORLD" |   | 0x000E | "HELLO, WORLD" |
* +-----+-----+-----+-----+
```

```
* </pre>
```

\* <h3>3 bytes length field at the end of 5 bytes header, do not strip header</h3>

\* The following message is a simple variation of the first example. An extra  
 \* header value is prepended to the message. <tt>lengthAdjustment</tt> is zero  
 \* again because the decoder always takes the length of the prepended data into  
 \* account during frame length calculation.

```
* <pre>
* <b>lengthFieldOffset</b> = <b>2</b> (= the length of Header 1)
* <b>lengthFieldLength</b> = <b>3</b>
* lengthAdjustment = 0
* initialBytesToStrip = 0
```

\* BEFORE DECODE (17 bytes)      AFTER DECODE (17 bytes)

```
* +-----+-----+-----+-----+
* | Header 1 | Length | Actual Content |---->| Header 1 | Length | Actual Content |
* | 0xCAFE | 0x00000C | "HELLO, WORLD" |   | 0xCAFE | 0x00000C | "HELLO, WORLD" |
* +-----+-----+-----+-----+
```

```
* </pre>
```

\* <h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>

\* This is an advanced example that shows the case where there is an extra  
 \* header between the length field and the message body. You have to specify a  
 \* positive <tt>lengthAdjustment</tt> so that the decoder counts the extra  
 \* header into the frame length calculation.

```
* <pre>
* lengthFieldOffset = 0
* lengthFieldLength = 3
* <b>lengthAdjustment</b> = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
```

```

* BEFORE DECODE (17 bytes)          AFTER DECODE (17 bytes)
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* | Length | Header 1 | Actual Content |---->| Length | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE | "HELLO, WORLD" |   | 0x00000C | 0xCAFE | "HELLO, WORLD" |
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* </pre>

```

\* **<h3>**2 bytes length field at offset 1 in the middle of 4 bytes header,  
 \* strip the first header field and the length field</h3>

\* This is a combination of all the examples above. There are the prepended  
 \* header before the length field and the extra header after the length field.  
 \* The prepended header affects the `<tt>lengthFieldOffset</tt>` and the extra  
 \* header affects the `<tt>lengthAdjustment</tt>`. We also specified a non-zero  
 \* `<tt>initialBytesToStrip</tt>` to strip the length field and the prepended  
 \* header from the frame. If you don't want to strip the prepended header, you  
 \* could specify `<tt>0</tt>` for `<tt>initialBytesToSkip</tt>`.

```

* <pre>
* lengthFieldOffset = 1 (= the length of HDR1)
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>1</b> (= the length of HDR2)
* <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)

```

```

* BEFORE DECODE (16 bytes)          AFTER DECODE (13 bytes)
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* | HDR1 | Length | HDR2 | Actual Content |---->| HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |   | 0xFE | "HELLO, WORLD" |
* +-----+-----+-----+-----+ +-----+-----+-----+-----+
* </pre>

```

\* **<h3>**2 bytes length field at offset 1 in the middle of 4 bytes header,  
 \* strip the first header field and the length field, the length field  
 \* represents the length of the whole message</h3>

\* Let's give another twist to the previous example. The only difference from  
 \* the previous example is that the length field represents the length of the  
 \* whole message instead of the message body, just like the third example.  
 \* We have to count the length of HDR1 and Length into `<tt>lengthAdjustment</tt>`.  
 \* Please note that we don't need to take the length of HDR2 into account  
 \* because the length field already includes the whole header length.

```

* <pre>
* lengthFieldOffset = 1
* lengthFieldLength = 2
* <b>lengthAdjustment</b> = <b>-3</b> (= the length of HDR1 + LEN, negative)
* <b>initialBytesToStrip</b> = <b>3</b>

```

```

* BEFORE DECODE (16 bytes)          AFTER DECODE (13 bytes)
* +-----+-----+-----+-----+ +-----+-----+-----+-----+

```

```

* | HDR1 | Length | HDR2 | Actual Content |---->| HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |   | 0xFE | "HELLO, WORLD" |
* +-----+-----+-----+-----+-----+-----+-----+-----+
* </pre>
* @see LengthFieldPrepender
*/

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1014298136_1591897446.55/0/netty-all-4-1-43-final-sources-
jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java

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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/util/internal/logging/MessageFormatter.java

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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/internal/tcnative/SSLContext.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/internal/tcnative/Library.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/internal/tcnative/Buffer.java

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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/util/collection/IntCollections.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http/HttpServerUpgradeHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/util/collection/CharObjectMap.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/Http2NoMoreStreamIdsException.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/example/http2/helloworld/client/Http2Client.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/Http2Exception.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/CompressorHttp2ConnectionEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/example/http2/helloworld/client/HttpResponseHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2LocalFlowController.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/util/collection/IntObjectMap.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/Http2FlowController.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/DefaultHttp2ConnectionEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-



jar/io/netty/example/http2/helloworld/server/HelloWorldHttp2Handler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/http2/DefaultHttp2FrameWriter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/mqtt/MqttQoS.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/http2/EmptyHttp2Headers.java  
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jar/io/netty/handler/codec/http2/Http2FrameListenerDecorator.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/collection/LongObjectMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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jar/io/netty/example/http2/helloworld/client/Http2SettingsHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/collection/ShortObjectHashMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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jar/io/netty/util/collection/ShortCollections.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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jar/io/netty/handler/codec/http2/InboundHttp2ToHttpAdapter.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/example/http2/Http2ExampleUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/http2/DefaultHttp2Connection.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/Headers.java  
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jar/io/netty/handler/codec/http2/Http2Settings.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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jar/io/netty/handler/codec/http2/Http2CodecUtil.java  
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jar/io/netty/handler/codec/http2/DefaultHttp2RemoteFlowController.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/http2/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/collection/ShortObjectMap.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/http2/Http2ConnectionAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/collection/CharCollections.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/EmptyHeaders.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/DefaultHeaders.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/http2/DefaultHttp2FrameReader.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/http2/Http2Connection.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/util/internal/ObjectUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/mqtt/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/http2/Http2EventAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/http2/Http2ConnectionHandler.java  
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- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/example/ocsp/OcspClientExample.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/example/ocsp/Digester.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/example/ocsp/OcspServerExample.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/example/ocsp/OcspRequestBuilder.java
- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/example/ocsp/OcspUtils.java

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- \* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/HpackHuffmanEncoder.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/HpackDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/HpackEncoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/HpackUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/HpackDynamicTable.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/HpackStaticTable.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http2/HpackHeaderField.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/example/http/cors/OkResponseHandler.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http/cors/CorsConfig.java

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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/redis/BulkStringRedisContent.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/redis/RedisCodecException.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/redis/RedisMessageType.java  
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/\*\*

\* Enumeration of supported Base64 dialects.

\* <p>

\* The internal lookup tables in this class has been derived from

\* <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain  
\* Base64 Encoder/Decoder</a>.

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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/base64/Base64Dialect.java

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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/ChannelPromise.java

\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/CorruptedFrameException.java

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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/example/udt/echo/rendezvous/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/example/udt/echo/message/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/spdy/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/http/multipart/AbstractHttpData.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/http/multipart/FileUpload.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/http/websocketx/WebSocketClientHandshaker00.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/example/http/upload/HttpUploadServerHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/example/udt/echo/rendezvous/MsgEchoPeerHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/example/http/helloworld/HttpHelloWorldServer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/compression/Snappy.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/example/telnet/TelnetServerInitializer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/TooLongFrameException.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/VoidChannelPromise.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/stream/ChunkedFile.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/group/CombinedIterator.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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jar/io/netty/handler/codec/compression/JZlibEncoder.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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jar/io/netty/handler/codec/sctp/SctpOutboundByteStreamHandler.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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jar/io/netty/example/socksproxy/RelayHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/channel/ChannelFuture.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/handler/codec/http/HttpResponseDecoder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
jar/io/netty/example/telnet/TelnetClientInitializer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-

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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-



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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/example/mqtt/heartBeat/MqttHeartBeatClient.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker07.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/resolver/dns/TcpDnsQueryContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/internal/tcnative/CertificateVerifierTask.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/ssl/OpenSslPrivateKeyMethod.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerHandshaker13.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/channel/ExtendedClosedChannelException.java



\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/codec/http/websocketx/WebSocketServerProtocolHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/resolver/dns/DatagramDnsQueryContext.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298136\_1591897446.55/0/netty-all-4-1-43-final-sources-jar/io/netty/handler/address/DynamicAddressConnectHandler.java

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```

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* /opt/ws_local/PERMITS_SQL/1014298132_1591897723.99/0/javassist-3-22-0-cr2-sources-jar/javassist/bytecode/annotation/ArrayMemberValue.java  
* /opt/ws_local/PERMITS_SQL/1014298132_1591897723.99/0/javassist-3-22-0-cr2-sources-jar/javassist/bytecode/annotation/DoubleMemberValue.java  
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* /opt/ws_local/PERMITS_SQL/1014298132_1591897723.99/0/javassist-3-22-0-cr2-sources-jar/javassist/bytecode/annotation/CharMemberValue.java  
* /opt/ws_local/PERMITS_SQL/1014298132_1591897723.99/0/javassist-3-22-0-cr2-sources-jar/javassist/bytecode/annotation/BooleanMemberValue.java
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\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-jar/javassist/bytecode/annotation/Annotation.java

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\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/bytecode/Bytecode.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/tools/rmi/ObjectImporter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/tools/reflect/Sample.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/expr/MethodCall.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/bytecode/AccessFlag.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/bytecode/stackmap/TypedBlock.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/tools/rmi/Sample.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/compiler/MemberResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/bytecode/stackmap/TypeData.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/tools/reflect/CannotInvokeException.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/bytecode/annotation/NoSuchClassError.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/CtPrimitiveType.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-

jar/javassist/compiler/ast/DoubleConst.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/bytecode/MethodInfo.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/compiler/ast/NewExpr.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/expr/Cast.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/tools/reflect/Metaobject.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/NotFoundExpection.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/runtime/Inner.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/compiler/ast/CallExpr.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/bytecode/Mnemonic.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/compiler/CodeGen.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/compiler/TokenId.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/bytecode/ClassFileWriter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/convert/TransformCall.java  
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jar/javassist/scopedpool/ScopedClassPool.java  
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jar/javassist/util/HotSwapAgent.java  
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jar/javassist/bytecode/ConstantAttribute.java  
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jar/javassist/convert/TransformFieldAccess.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/expr/FieldAccess.java  
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jar/javassist/expr/NewArray.java  
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jar/javassist/compiler/ast/Symbol.java  
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jar/javassist/bytecode/analysis/Frame.java  
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jar/javassist/CtNewWrappedConstructor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-



jar/javassist/bytecode/stackmap/MapMaker.java  
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jar/javassist/Translator.java  
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jar/javassist/util/HotSwapper.java  
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jar/javassist/util/proxy/ProxyObjectOutputStream.java  
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jar/javassist/bytecode/InstructionPrinter.java  
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jar/javassist/expr/ConstructorCall.java  
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jar/javassist/bytecode/DeprecatedAttribute.java  
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jar/javassist/tools/rmi/RemoteException.java  
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jar/javassist/bytecode/LocalVariableTypeAttribute.java  
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jar/javassist/compiler/ast/MethodDecl.java  
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jar/javassist/CtArray.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/bytecode/AnnotationsAttribute.java  
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jar/javassist/compiler/SymbolTable.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/CtMethod.java  
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jar/javassist/compiler/ast/Expr.java  
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jar/javassist/convert/Transformer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/CtNewMethod.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/tools/reflect/CannotReflectException.java  
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jar/javassist/compiler/JvstCodeGen.java  
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jar/javassist/bytecode/analysis/SubroutineScanner.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/tools/rmi/ObjectNotFoundException.java  
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jar/javassist/expr/Instanceof.java  
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jar/javassist/convert/TransformReadField.java  
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jar/javassist/CannotCompileException.java  
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jar/javassist/convert/TransformAfter.java  
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jar/javassist/CtClass.java  
\* /opt/ws\_local/PERMITS\_SQL/1014298132\_1591897723.99/0/javassist-3-22-0-cr2-sources-  
jar/javassist/bytecode/StackMap.java  
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jar/javassist/compiler/ast/CondExpr.java

# 1.637 apache-commons-collections

## commons-commons-collections 4.4

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# 1.638 byte-buddy byte-buddy 1.9.16

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AOP alliance (<http://aopalliance.sourceforge.net>) aopalliance:aopalliance:jar:1.0  
License: Public Domain

JSR-250 Common Annotations for the Java™ Platform  
(<http://jcp.org/aboutJava/communityprocess/final/jsr250/index.html>) javax.annotation:jsr250-api:jar:1.0  
License: COMMON DEVELOPMENT AND DISTRIBUTION LICENSE (CDDL) Version 1.0  
<https://glassfish.java.net/public/CDDLv1.0.html> (lib/jsr250-api.license)

CDI APIs (<http://www.seamframework.org/Weld/cdi-api>) javax.enterprise:cdi-api:jar:1.0

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0> (lib/cdi-api.license)

Maven Aether Provider (<http://maven.apache.org/ref/3.2.5/maven-aether-provider>) org.apache.maven:maven-aether-provider:jar:3.2.5

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/maven-aether-provider.license)

Maven Artifact (<http://maven.apache.org/ref/3.2.5/maven-artifact>) org.apache.maven:maven-artifact:jar:3.2.5

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/maven-artifact.license)

Maven Compat (<http://maven.apache.org/ref/3.2.5/maven-compat>) org.apache.maven:maven-compat:jar:3.2.5

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/maven-compat.license)

Maven Core (<http://maven.apache.org/ref/3.2.5/maven-core>) org.apache.maven:maven-core:jar:3.2.5

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/maven-core.license)

Maven Embedder (<http://maven.apache.org/ref/3.2.5/maven-embedder>) org.apache.maven:maven-embedder:jar:3.2.5

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/maven-embedder.license)

Maven Model (<http://maven.apache.org/ref/3.2.5/maven-model>) org.apache.maven:maven-model:jar:3.2.5

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/maven-model.license)

Maven Model Builder (<http://maven.apache.org/ref/3.2.5/maven-model-builder>) org.apache.maven:maven-model-builder:jar:3.2.5

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/maven-model-builder.license)

Maven Plugin API (<http://maven.apache.org/ref/3.2.5/maven-plugin-api>) org.apache.maven:maven-plugin-api:jar:3.2.5

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/maven-plugin-api.license)

Maven Repository Metadata Model (<http://maven.apache.org/ref/3.2.5/maven-repository-metadata>) org.apache.maven:maven-repository-metadata:jar:3.2.5

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/maven-repository-metadata.license)

Maven Settings (<http://maven.apache.org/ref/3.2.5/maven-settings>) org.apache.maven:maven-settings:jar:3.2.5

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/maven-settings.license)

Maven Settings Builder (<http://maven.apache.org/ref/3.2.5/maven-settings-builder>) org.apache.maven:maven-settings-builder:jar:3.2.5



License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/maven-settings-builder.license)

Apache Maven Wagon :: Providers :: File Provider (<http://maven.apache.org/wagon/wagon-providers/wagon-file>)  
org.apache.maven.wagon:wagon-file:jar:2.8

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/wagon-file.license)

Apache Maven Wagon :: Providers :: HTTP Provider (<http://maven.apache.org/wagon/wagon-providers/wagon-http>)  
org.apache.maven.wagon:wagon-http:jar:2.8

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Apache Maven Wagon :: Providers :: HTTP Shared Library (<http://maven.apache.org/wagon/wagon-providers/wagon-http-shared>)  
org.apache.maven.wagon:wagon-http-shared:jar:2.8

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/wagon-http-shared.license)

Apache Maven Wagon :: API (<http://maven.apache.org/wagon/wagon-provider-api>)  
org.apache.maven.wagon:wagon-provider-api:jar:2.8

License: Apache License, Version 2.0 <http://www.apache.org/licenses/LICENSE-2.0.txt> (lib/wagon-provider-api.license)

Aether API (<http://www.eclipse.org/aether/aether-api/>) org.eclipse.aether:aether-api:jar:1.0.0.v20140518

License: Eclipse Public License, Version 1.0 <http://www.eclipse.org/legal/epl-v10.html> (lib/aether-api.license)

Aether Connector Basic (<http://www.eclipse.org/aether/aether-connector-basic/>) org.eclipse.aether:aether-connector-basic:jar:1.0.0.v20140518

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Aether Implementation (<http://www.eclipse.org/aether/aether-impl/>) org.eclipse.aether:aether-impl:jar:1.0.0.v20140518

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Aether SPI (<http://www.eclipse.org/aether/aether-spi/>) org.eclipse.aether:aether-spi:jar:1.0.0.v20140518

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Aether Transport Wagon (<http://www.eclipse.org/aether/aether-transport-wagon/>) org.eclipse.aether:aether-transport-wagon:jar:1.0.0.v20140518

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Aether Utilities (<http://www.eclipse.org/aether/aether-util/>) org.eclipse.aether:aether-util:jar:1.0.0.v20140518

License: Eclipse Public License, Version 1.0 <http://www.eclipse.org/legal/epl-v10.html> (lib/aether-util.license)

org.eclipse.sisu.inject (<http://www.eclipse.org/sisu/org.eclipse.sisu.inject/>)

org.eclipse.sisu:org.eclipse.sisu.inject:eclipse-plugin:0.3.0.M1

License: Eclipse Public License, Version 1.0 <http://www.eclipse.org/legal/epl-v10.html>  
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org.eclipse.sisu.plexus (<http://www.eclipse.org/sisu/org.eclipse.sisu.plexus/>)  
org.eclipse.sisu:org.eclipse.sisu.plexus:eclipse-plugin:0.3.0.M1  
License: Eclipse Public License, Version 1.0 <http://www.eclipse.org/legal/epl-v10.html>  
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jsoup (<http://jsoup.org/>) org.jsoup:jsoup:jar:1.7.2  
License: The MIT License <http://jsoup.com/license> (<lib/jsoup.license>)

SLF4J API Module (<http://www.slf4j.org>) org.slf4j:slf4j-api:jar:1.7.5  
License: MIT License <http://www.opensource.org/licenses/mit-license.php> (<lib/slf4j-api.license>)

SLF4J Simple Binding (<http://www.slf4j.org>) org.slf4j:slf4j-simple:jar:1.7.5  
License: MIT License <http://www.opensource.org/licenses/mit-license.php> (<lib/slf4j-simple.license>)

Plexus Cipher: encryption/decryption Component (<http://spice.sonatype.org/plexus-cipher>)  
org.sonatype.plexus:plexus-cipher:jar:1.7  
License: Apache Public License 2.0 <http://www.apache.org/licenses/LICENSE-2.0> (<lib/plexus-cipher.license>)

Plexus Security Dispatcher Component (<http://spice.sonatype.org/plexus-sec-dispatcher>)  
org.sonatype.plexus:plexus-sec-dispatcher:jar:1.3  
License: Apache Public License 2.0 <http://www.apache.org/licenses/LICENSE-2.0> (<lib/plexus-sec-dispatcher.license>)

```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML+RDFa 1.0//EN"
"http://www.w3.org/MarkUp/DTD/xhtml-rdfa-1.dtd">
<html xmlns="http://www.w3.org/1999/xhtml" xml:lang="en" version="XHTML+RDFa 1.0" dir="ltr">

<head profile="http://www.w3.org/1999/xhtml/vocab">
  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
  <link rel="shortcut icon" href="http://opensource.org/files/garland_favicon.png" type="image/png" />
  <link rel="shortlink" href="/node/66" />
  <link rel="canonical" href="/licenses/MIT" />
  <meta name="Generator" content="Drupal 7 (http://drupal.org)" />
  <title>The MIT License (MIT) | Open Source Initiative</title>
  <link type="text/css" rel="stylesheet" href="http://opensource.org/files/css/css_xE-rWrJf-
fncB6ztZfd2huxqgxu4WO-qwma6Xer30m4.css" media="all" />
  <link type="text/css" rel="stylesheet" href="http://opensource.org/files/css/css_2ATB4XKGEvmoUk_p62PwI-
o2aW47EqqS0nD2dmPZoV4.css" media="all" />
  <link type="text/css" rel="stylesheet" href="http://opensource.org/files/css/css_2wI77kyP-
rJKVpFW5M3KFcj7Cb99lZalmubKIwWwsmU.css" media="all" />
  <link type="text/css" rel="stylesheet"
href="http://opensource.org/files/css/css_k3snrbsthqot7V7ccRZHS9OkCZkwBv4adtNieIVlbeEU.css" media="print"
/>

<!--[if lt IE 7]>
<link type="text/css" rel="stylesheet" href="http://opensource.org/themes/garland/fix-ie.css?nfb7pm" media="all"
/>
<![endif]-->
```

```

<script type="text/javascript"
src="http://opensource.org/files/js/js_xAPI0qIk9eowy_iS9tNkCWXLUVoat94SQT48UBCFkyQ.js"></script>
<script type="text/javascript">
<!--//--><![CDATA[//><!--
jQuery.extend(Drupal.settings,
{"basePath":"/","pathPrefix":"","ajaxPageState":{"theme":"garland","theme_token":"meUjjBBfr6QFJv5kp0oKi152
l673C3xJMLGIQzbH9g0"},"js":{"misc/jquery.js":1,"misc/jquery.once.js":1,"misc/drupal.js":1},"css":{"modules/s
ystem/system.base.css":1,"modules/system/system.menus.css":1,"modules/system/system.messages.css":1,"mod
ules/system/system.theme.css":1,"modules/aggregator/aggregator.css":1,"modules/comment/comment.css":1,"m
odules/field/theme/field.css":1,"sites/all/modules/mollom/mollom.css":1,"modules/node/node.css":1,"modules
/search/search.css":1,"modules/user/user.css":1,"themes/garland/style.css":1,"themes/garland/print.css":1,"the
mes/garland/fix-ie.css":1}}});
//--><![]]>
</script>
</head>
<body class="html not-front not-logged-in one-sidebar sidebar-first page-node page-node- page-node-66 node-type-
page fluid-width" >
<div id="skip-link">
  <a href="#main-content" class="element-invisible element-focusable">Skip to main content</a>
</div>

<div id="wrapper">
  <div id="container" class="clearfix">

    <div id="header">
      <div id="logo-floater">
        <div id="branding"><strong><a href="/">
          
          <span>Open Source Initiative</span>          </a></strong></div>
        </div>

        </div> <!-- /#header -->

        <div id="sidebar-first" class="sidebar">
          <div class="region region-sidebar-first">
            <div id="block-search-form" class="block block-search clearfix">

              <h2 class="title">Search this site:</h2>

              <div class="content">
                <form action="/licenses/mit-license.php" method="post" id="search-block-form" accept-charset="UTF-
8"><div><div class="container-inline">
                  <div class="form-item form-type-textfield form-item-search-block-form">
                    <label class="element-invisible" for="edit-search-block-form--2">Search </label>
                    <input title="Enter the terms you wish to search for." type="text" id="edit-search-block-form--2"
                    name="search_block_form" value="" size="15" maxlength="128" class="form-text" />
                  </div>

```

```
<div class="form-actions form-wrapper" id="edit-actions"><input type="submit" id="edit-submit" name="op"
value="Search" class="form-submit" /></div><input type="hidden" name="form_build_id" value="form-
MyBqFtDVdzOmaSnCHKIG9yhm0ofMr7fNMG5Vy76N_uk" />
<input type="hidden" name="form_id" value="search_block_form" />
</div>
</div></form> </div>
</div>
<div id="block-system-navigation" class="block block-system block-menu clearfix">
```

```
<h2 class="title">Navigation</h2>
```

```
<div class="content">
```

```
<ul class="menu"><li class="first collapsed"><a href="/about" title="About the Open Source Initiative">About
the OSI</a></li>
<li class="collapsed"><a href="/osd" title="The actual OSD defining what constitutes an Open Source licence">The
Open Source Definition</a></li>
<li class="collapsed"><a href="/licenses">Open Source Licenses</a></li>
<li class="leaf"><a href="/working_groups">Working Groups</a></li>
<li class="leaf"><a href="/faq" title="Frequently Asked Questions about open source and about the
OSI.">FAQ</a></li>
<li class="collapsed"><a href="/trademark" title="Information about trademark and logo usage">Trademark and
Logo Usage</a></li>
<li class="collapsed"><a href="/osr-intro" title="Open Standards Requirement for Software">Open
Standards</a></li>
<li class="leaf"><a href="/osi-open-source-education" title="OSI's Open Source Education Initiative and
Activities">Open Source Education</a></li>
<li class="collapsed"><a href="/lists" title="The virtual committees where the OSI's work gets
done">Mailing lists</a></li>
<li class="collapsed"><a href="/help" title="Resources for questions and further exploration">Getting
Help</a></li>
<li class="collapsed"><a href="http://opensource.org/donate" title="">Donate to the OSI</a></li>
<li class="leaf"><a href="/members">OSI Individual Membership</a></li>
<li class="leaf"><a href="/store">OSI Store</a></li>
<li class="collapsed"><a href="/affiliates" title="Home page for OSI's membership scheme for non-profits
and not-for-profits">OSI Affiliate Membership</a></li>
<li class="leaf"><a href="/contact" title="">Contact OSI</a></li>
<li class="leaf"><a href="/ToS" title="Rules for posting content on this site">Terms of Service</a></li>
<li class="last leaf"><a href="/support">OSI Corporate Support</a></li>
```

```
</ul> </div>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<div id="center"><div id="squeeze"><div class="right-corner"><div class="left-corner">
```

```
<h2 class="element-invisible">You are here</h2><div class="breadcrumb"><a href="/">Home</a></div>
```

```
<a id="main-content"></a>
```

```
<div id="tabs-wrapper" class="clearfix">
```

```
<h1 class="with-tabs">The MIT License
```

```
(MIT)</h1>
```

```

                </div>
                <div class="clearfix">
    <div class="region region-content">
    <div id="block-system-main" class="block block-system clearfix">

<div class="content">
    <div id="node-66" class="node node-page">

<div class="content clearfix">
    
    <div class="field field-name-body field-type-text-with-summary field-label-hidden"><div class="field-
items"><div class="field-item even"><p>The MIT License (MIT)</p>
<p>Copyright (c) &lt;year&gt; &lt;copyright holders&gt;</p>
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copies of the Software, and to permit persons to whom the Software is<br />
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LIABILITY, WHETHER IN AN ACTION OF CONTRACT, TORT OR OTHERWISE, ARISING FROM,<br />
OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER DEALINGS IN<br />
THE SOFTWARE.</p>
</div></div></div> </div>

<div class="clearfix">
    <div class="links"></div>

</div>

</div>
</div>
</div>
</div>
    </div>
    <div class="region region-footer">
    <div id="block-block-11" class="block block-block clearfix">

```

```
<div class="content">
  <p style="text-align:center">Help shape the future of the Open Source Initiative...<br /><a
href="http://osi.xwiki.com">visit and participate in the OSI wiki</a>.
</p>
```

```
<div>
<a href="https://twitter.com/OpenSourceOrg" class="twitter-follow-button" data-show-count="false" data-
lang="en">Follow @OpenSourceOrg</a>
<script>
<!--<![CDATA[<!--
!function(d,s,id){var
js,fjs=d.getElementsByTagName(s)[0];if(!d.getElementById(id)){js=d.createElement(s);js.id=id;js.src="//platform.t
witter.com/widgets.js";fjs.parentNode.insertBefore(js,fjs);}}(document,"script","twitter-wjs");
//<![>
</script></div>
```

```
<p>
<!-- Creative Commons License --><a rel="license" href="http://creativecommons.org/licenses/by/4.0/"></a><br />Opensource.org site content is licensed under a <a rel="license"
href="http://creativecommons.org/licenses/by/4.0/">Creative Commons Attribution 4.0 International
License</a>.<!-- /Creative Commons License -->
```

```
<!-- <rdf:RDF xmlns="http://web.resource.org/cc/" xmlns:dc="http://purl.org/dc/elements/1.1/"
xmlns:rdf="http://www.w3.org/1999/02/22-rdf-syntax-ns#" xmlns:rdfs="http://www.w3.org/2000/01/rdf-schema#">
<Work rdf:about="">
  <license rdf:resource="http://creativecommons.org/licenses/by/3.0/" />
</Work>
<License rdf:about="http://creativecommons.org/licenses/by/3.0/"><permits
rdf:resource="http://web.resource.org/cc/Reproduction"/><permits
rdf:resource="http://web.resource.org/cc/Distribution"/><requires
rdf:resource="http://web.resource.org/cc/Notice"/><requires
rdf:resource="http://web.resource.org/cc/Attribution"/><permits
rdf:resource="http://web.resource.org/cc/DerivativeWorks"/></License></rdf:RDF>
-->
```

```
| <a href="..ToS">Terms of Service</a>
```

```
</p>
</div>
</div>
<div id="block-block-7" class="block block-block clearfix">
```

```
<div class="content">
  <script src="http://www.google-analytics.com/urchin.js" type="text/javascript">
<!--<![CDATA[<!--
```

```

</script><script type="text/javascript">
<!--><![CDATA[// >!--

_uacct = "UA-3916956-1";
urchinTracker();

</script> </div>
</div>
</div>
</div></div></div></div> <!-- /.left-corner, /.right-corner, /#squeeze, /#center -->

</div> <!-- /#container -->
</div> <!-- /#wrapper -->
</body>
</html>
Copyright ${project.inceptionYear} - ${current.year} ${copyright.holder}

```

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```

=====
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```

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- Junit (<http://www.junit.org>)
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-----  
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-----

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```
<?xml version="1.0" encoding="ISO-8859-1" ?>
```

```
<!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">
```

```
<head>
```

```
<meta http-equiv="Content-Type" content="text/html; charset=ISO-8859-1" />
```

```
<title>Eclipse Public License - Version 1.0</title>
```

```
<style type="text/css">
```

```
body {
```

```
size: 8.5in 11.0in;
```

```
margin: 0.25in 0.5in 0.25in 0.5in;
```

```
tab-interval: 0.5in;
```

```
}
```

```
p {
```

```
margin-left: auto;
```

```
margin-top: 0.5em;
```

```
margin-bottom: 0.5em;
```

```
}
```

```
p.list {
```

```
margin-left: 0.5in;
```

```
margin-top: 0.05em;
```

```
margin-bottom: 0.05em;
```

```
}
```

```
</style>
```

</head>

<body lang="EN-US">

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</body>

</html>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN">

<html>

<head>

<meta http-equiv="content-type"

```
content="text/html; charset=ISO-8859-1">
<title>CDDL ver. 1.0</title>
<meta name="author" content="Cliff Allen">
</head>
<body>
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</body>

</html>

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<html lang="en">

<head>

<title>Apache License, Version 2.0</title>

<meta http-equiv="Content-Type" content="text/html; charset=UTF-8">

<meta property="og:image" content="http://www.apache.org/images/asf\_logo.gif" />

<link rel="stylesheet" type="text/css" media="screen" href="/css/style.css">

<link rel="stylesheet" type="text/css" media="screen" href="/css/code.css">

<script type="text/javascript" src="/js/jquery.js"></script>

<script type="text/javascript" src="/js/apache\_boot.js"></script>

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</head>

<body>

<div id="page" class="container\_16">

<div id="header" class="grid\_8">

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<h1>The Apache Software Foundation</h1>
<h2>Apache License, Version 2.0</h2>
</div>
<div id="nav" class="grid_8">
<ul>
<!-- <li><a href="/" title="Welcome!">Home</a></li -->
<li><a href="/foundation/" title="The Foundation">Foundation</a></li>
<li><a href="http://projects.apache.org" title="The Projects">Projects</a></li>
<li><a href="http://people.apache.org" title="The People">People</a></li>
<li><a href="/foundation/getinvolved.html" title="Get Involved">Get Involved</a></li>
<li><a href="/dyn/closer.cgi" title="Download">Download</a></li>
<li><a href="/foundation/sponsorship.html" title="Support Apache">Support Apache</a></li>
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<p><a href="/">Home</a>&nbsp;&raquo;&nbsp;&raquo;<a href="/licenses/">Licenses</a></p>
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<li><a href="http://abdera.apache.org/" title="Atom Publishing Protocol Implementation">Abdera</a></li>
<li><a href="http://accumulo.apache.org/" title="Sorted, distributed key/value store">Accumulo</a></li>
<li><a href="http://ace.apache.org/" title="Centralized life cycle management and deployment of OSGi based and related modular software artifacts for distribution.">ACE</a></li>
<li><a href="http://activemq.apache.org/" title="Distributed Messaging System">ActiveMQ</a></li>
<li><a href="http://airavata.apache.org/" title="Workflow and Computational Job Management Middleware">Airavata</a></li>
<li><a href="http://allura.apache.org/" title="Forge software for hosting software projects">Allura</a></li>
<li><a href="http://ambari.apache.org/" title="Hadoop cluster management">Ambari</a></li>
<li><a href="http://ant.apache.org/" title="Java-based build tool">Ant</a></li>
<li><a href="http://any23.apache.org/" title="Anything to Triples">Any23</a></li>
<li><a href="http://apr.apache.org/" title="Apache Portable Runtime libraries">APR</a></li>
<li><a href="http://archiva.apache.org/" title="Build Artifact Repository Manager">Archiva</a></li>
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<li><a href="http://juddi.apache.org/" title="Java implementation of the Universal Description, Discovery, and Integration specification">jUDDI</a></li>  
<li><a href="http://kafka.apache.org/" title="Distributed publish-subscribe messaging system">Kafka</a></li>  
<li><a href="http://karaf.apache.org/" title="Server-side OSGi distribution">Karaf</a></li>  
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<li><a href="http://logging.apache.org/" title="Cross-language logging services">Logging</a></li>  
<li><a href="http://lucene.apache.org/" title="Search engine library">Lucene</a></li>  
<li><a href="http://lucenenet.apache.org/" title="Search engine library targeted at .NET runtime users.">Lucene.Net</a></li>  
<li><a href="http://lucy.apache.org/" title="Search engine library for dynamic languages">Lucy</a></li>  
<li><a href="http://mahout.apache.org/" title="Scalable machine learning library">Mahout</a></li>  
<li><a href="http://manifoldcf.apache.org/" title="Framework for connecting source content repositories to target repositories or indexes.">ManifoldCF</a></li>  
<li><a href="http://marmotta.apache.org/" title="An Open Platform for Linked Data">Marmotta</a></li>  
<li><a href="http://maven.apache.org/" title="Java project management and comprehension tools">Maven</a></li>  
<li><a href="http://mesos.apache.org/" title="a cluster manager that provides efficient resource isolation and sharing across distributed applications">Mesos</a></li>  
<li><a href="http://mina.apache.org/" title="Multipurpose Infrastructure for Network Application">MINA</a></li>  
<li><a href="http://mrunit.apache.org/" title="Java library that helps developers unit test Apache Hadoop map reduce jobs">MRUnit</a></li>  
<li><a href="http://myfaces.apache.org/" title="JavaServer(tm) Faces implementation and components">MyFaces</a></li>  
<li><a href="http://nutch.apache.org/" title="Open Source Web Search Software">Nutch</a></li>  
<li><a href="http://ode.apache.org/" title="Orchestration Director Engine: Business Process Management (BPM), Process Orchestration and Workflow through service composition.">ODE</a></li>  
<li><a href="http://ofbiz.apache.org/" title="Open for Business: enterprise automation software">OFBiz</a></li>  
<li><a href="http://olingo.apache.org/" title="OASIS OData protocol libraries">Olingo</a></li>  
<li><a href="http://oltu.apache.org/" title="OAuth protocol implementation in Java">Oltu</a></li>  
<li><a href="http://onami.apache.org/" title="Development and maintenance of a set of Google Guice extensions">Onami</a></li>  
<li><a href="http://oodt.apache.org/" title="Object Oriented Data Technology (middleware metadata)">OODT</a></li>  
<li><a href="http://oozie.apache.org/" title="A workflow scheduler system to manage Apache Hadoop jobs.">Oozie</a></li>

- <li><a href="http://climate.apache.org/" title="Climate model evaluation">Open Climate Workbench</a></li>
- <li><a href="http://openjpa.apache.org/" title="OpenJPA: Object Relational Mapping for Java">OpenJPA</a></li>
- <li><a href="http://openmeetings.apache.org/" title="OpenMeetings: Web-Conferencing and real-time collaboration">OpenMeetings</a></li>
- <li><a href="http://opennlp.apache.org/" title="Machine learning based toolkit for the processing of natural language text">OpenNLP</a></li>
- <li><a href="http://openoffice.apache.org/" title="An open-source, office-document productivity suite">OpenOffice</a></li>
- <li><a href="http://openwebbeans.apache.org/" title="OpenWebBeans: JSR-299 Context and Dependency Injection for Java EE Platform Implementation">OpenWebBeans</a></li>
- <li><a href="http://pdfbox.apache.org/" title="Java library for working with PDF documents">PDFBox</a></li>
- <li><a href="http://perl.apache.org/" title="Dynamic websites using Perl">Perl</a></li>
- <li><a href="http://pig.apache.org/" title="Platform for analyzing large data sets">Pig</a></li>
- <li><a href="http://pivot.apache.org/" title="Rich Internet applications in Java">Pivot</a></li>
- <li><a href="http://poi.apache.org/" title="Java API for OLE 2 Compound and OOXML Documents">POI</a></li>
- <li><a href="http://portals.apache.org/" title="Portal technology">Portals</a></li>
- <li><a href="http://qpid.apache.org/" title="Multiple language implementation of the latest Advanced Message Queuing Protocol (AMQP)">Qpid</a></li>
- <li><a href="http://rave.apache.org/" title="Web and social mashup engine">Rave</a></li>
- <li><a href="http://river.apache.org/" title="Jini service oriented architecture">River</a></li>
- <li><a href="http://roller.apache.org/" title="Java blog server">Roller</a></li>
- <li><a href="http://santuario.apache.org/" title="XML Security in Java and C++">Santuario</a></li>
- <li><a href="http://servicemix.apache.org/" title="Enterprise Service Bus">ServiceMix</a></li>
- <li><a href="http://shindig.apache.org/" title="Opensocial Reference Implementation">Shindig</a></li>
- <li><a href="http://shiro.apache.org/" title="Powerful and easy-to-use application security framework">Shiro</a></li>
- <li><a href="http://sis.apache.org/" title="Spatial Information System">SIS</a></li>
- <li><a href="http://sling.apache.org/" title="Web Framework for JCR Content Repositories">Sling</a></li>
- <li><a href="http://spamassassin.apache.org/" title="Mail filter to identify spam">SpamAssassin</a></li>
- <li><a href="http://spark.apache.org/" title="Fast and general engine for large-scale data processing">Spark</a></li>
- <li><a href="http://sqoop.apache.org/" title="Bulk Data Transfer for Hadoop and Structured Datastores">Sqoop</a></li>
- <li><a href="http://stanbol.apache.org/" title="Reusable components for semantic content management">Stanbol</a></li>
- <li><a href="http://steve.apache.org/" title="Apache's Python based single transferable vote software system">STeVe</a></li>
- <li><a href="http://storm.apache.org/" title="Distributed, real-time computation system">Storm</a></li>
- <li><a href="http://struts.apache.org/" title="Model 2 framework for building Java web applications">Struts</a></li>
- <li><a href="http://subversion.apache.org/" title="Version Control">Subversion</a></li>
- <li><a href="http://synapse.apache.org/" title="Enterprise Service Bus and Mediation Framework">Synapse</a></li>
- <li><a href="http://syncope.apache.org/" title="Managing digital identities in enterprise environments">Syncope</a></li>
- <li><a href="http://tajo.apache.org/" title="Big data warehouse system on Hadoop">Tajo</a></li>
- <li><a href="http://tapestry.apache.org/" title="Component-based Java Web Application Framework">Tapestry</a></li>

- <li><a href="http://tcl.apache.org/" title="Dynamic websites using TCL">Tcl</a></li>
- <li><a href="http://tez.apache.org/" title="High-performance and scalable distributed data processing framework">Tez</a></li>
- <li><a href="http://thrift.apache.org/" title="Framework for scalable cross-language services development">Thrift</a></li>
- <li><a href="http://tika.apache.org" title="Content Analysis and Detection Toolkit">Tika</a></li>
- <li><a href="http://tiles.apache.org/" title="A templating framework for web application user interfaces">Tiles</a></li>
- <li><a href="http://tomcat.apache.org/" title="A Java Servlet and JSP Container">Tomcat</a></li>
- <li><a href="http://tomee.apache.org/" title="Java EE Web Profile built on Tomcat">TomEE</a></li>
- <li><a href="http://trafficserver.apache.org/" title="A fast, scalable and extensible HTTP/1.1 compliant caching proxy server">Traffic Server</a></li>
- <li><a href="http://turbine.apache.org/" title="A Java Servlet Web Application Framework and associated component library">Turbine</a></li>
- <li><a href="http://tuscany.apache.org/" title="An SCA based Service Composition Framework">Tuscany</a></li>
- <li><a href="http://uima.apache.org/" title="Framework and annotators for unstructured information analysis">UIMA</a></li>
- <li><a href="http://vcl.apache.org/" title="Virtual Computing Lab">VCL</a></li>
- <li><a href="http://velocity.apache.org/" title="A Java Templating Engine">Velocity</a></li>
- <li><a href="http://vxquery.apache.org/" title="A parallel XQuery processor">VXQuery</a></li>
- <li><a href="http://ws.apache.org/" title="Projects related to Web Services">Web Services</a></li>
- <li><a href="http://whirr.apache.org/" title="Libraries for running Cloud Services">Whirr</a></li>
- <li><a href="http://wicket.apache.org/" title="Component-based Java Web Application Framework.">Wicket</a></li>
- <li><a href="http://wink.apache.org/" title="RESTful Web services Framework">Wink</a></li>
- <li><a href="http://wookie.apache.org/" title="Widgets for Applications">Wookie</a></li>
- <li><a href="http://xalan.apache.org/" title="XSLT processors in Java and C++">Xalan</a></li>
- <li><a href="http://xerces.apache.org/" title="XML parsers in Java, C++ and Perl">Xerces</a></li>
- <li><a href="http://xmlbeans.apache.org/" title="XML-Java binding tool">XMLBeans</a></li>
- <li><a href="http://xmlgraphics.apache.org/" title="Conversion from XML to graphical output">XML Graphics</a></li>
- <li><a href="http://zookeeper.apache.org/" title="Centralized service for maintaining configuration information">ZooKeeper</a></li>

</ul>

</div>

<div class="grid\_3">

<h4>Foundation</h4>

<ul>

<li><a href="/foundation/faq.html">FAQ</a></li>

<li><a href="/foundation/glossary.html">Glossary</a></li>

<li><a href="/licenses/" title="Overview of the Apache Licenses">Licenses</a></li>

<li><a href="/foundation/marks/" title="Apache marks policies and listing">Trademarks</a></li>

<li><a href="/foundation/news.html" title="Official news feed of Foundation announcements">News</a></li>

<li><a href="/press/" title="Press, Media, and Analyst contact">Press Inquiries</a></li>

<li><a href="/foundation/records/" title="Formal corporate records and board meeting minutes">Public Records</a></li>

<li><a href="/foundation/maillinglists.html" title="Mailing lists and Apache">Mailing Lists</a></li>

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<li><a href="/foundation/sponsorship.html" title="Sponsor the Foundation">Sponsorship</a></li>
<li><a href="/foundation/contributing.html" title="Donate to the Foundation">Donations</a></li>
<li><a href="/foundation/buy_stuff.html" title="Buy Apache branded merchandise">Buy Stuff</a></li>
<li><a href="/foundation/thanks.html" title="Thank you to our Sponsors">Thanks</a></li>
<li><a href="/foundation/contact.html" title="Contact Us">Contact</a></li>
</ul>
</div>
<div class="grid_3 suffix_1">
<h4>Foundation Projects</h4>
<ul>
<li><a href="http://attic.apache.org/" title="Inactive projects repository">Attic</a></li>
<li><a href="/foundation/conferences.html" title="Meetings of developers and users">Conferences</a></li>
<li><a href="http://community.apache.org/" title="Helping newcomers to the ASF">Community
Development</a></li>
<li><a href="http://incubator.apache.org/" title="Shepherd for new projects">Incubator</a></li>
<li><a href="/dev/" title="ASF Infrastructure: Operations and howto documents for PMCs and
contributors">Infrastructure</a></li>
<li><a href="http://labs.apache.org/" title="The Innovation Laboratories of the Apache Software
Foundation">Labs</a></li>
<li><a href="/legal/" title="Legal Affairs">Legal Affairs</a></li>
<li><a href="/press/" title="Public Relations">Public Relations</a></li>
<li><a href="/security/" title="Security">Security</a></li>
<li><a href="/travel/" title="Travel Assistance">Travel Assistance</a></li>
</ul>
</div>
<div class="grid_3">
<h4>Community</h4>
<ul>
<li><a href="http://people.apache.org/" title="Apache committer homepages">People</a></li>
<li><a href="/memorials/" title="In memoriam of past committers">Memorials</a></li>
<li><a href="http://feathercast.apache.org/" title="Apache Podcasts">Feathercast</a></li>
<li><a href="http://blogs.apache.org/" title="Apache Project Blogs">Project Blogs</a></li>
<li><a href="http://planet.apache.org/committers/" title="Apache Committers' Blogs">PlanetApache</a></li>
</ul>
</div>
<div class="grid_3">
<h4>How It Works</h4>
<ul>
<li><a href="/foundation/how-it-works.html">Introduction</a></li>
<li><a href="/foundation/how-it-works.html#meritocracy">Meritocracy</a></li>
<li><a href="/foundation/how-it-works.html#structure">Structure</a></li>
<li><a href="/foundation/how-it-works.html#roles">Roles</a></li>
<li><a href="/foundation/how-it-works.html#management">Collaboration</a></li>
<li><a href="/foundation/how-it-works.html#incubator">Incubator</a></li>
<li><a href="/foundation/how-it-works.html#other">Other entities</a></li>
<li><a href="/foundation/glossary.html">Glossary</a></li>
```

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        <li><a href="/foundation/voting.html">Voting</a></li>
    </ul>
</div>
</div>
<div class="clear"></div>

</div>
<div id="copyright" class="container_16">
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</div>
</body>
</html>
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<html>
<head>
<title>jsoup License</title>
<meta name="keywords" content="license, open source, mit">
<meta name="description" content="jsoup is licensed under the MIT open source license">
<link type="text/css" rel="stylesheet" href="/rez/style.css">
<script type="text/javascript">
    var _gaq = _gaq || [];
    _gaq.push(['_setAccount', 'UA-89734-10']);
    _gaq.push(['_setDomainName', 'jsoup.org']);
    _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 class="n1">
<div class="wrap">
<div class="header">
<div class="nav-sections">
<ul>
<li class="n1-home"><h4><a href="/">jsoup</a></h4></li>
<li class="n1-news"><a href="/news/">News</a></li>
<li class="n1-bugs"><a href="/bugs">Bugs</a></li>
<li class="n1-discussion"><a href="/discussion">Discussion</a></li>
<li class="n1-download"><a href="/download">Download</a></li>
<li class="n1-api"><a href="/apidocs/">API Reference</a></li>
<li class="n1-cookbook"><a href="/cookbook/">Cookbook</a></li>
<li class="n1-try"><a href="http://try.jsoup.org/">Try jsoup</a></li>
</ul>

```

```

</div>
</div>
<div class="breadcrumb">
  <a href="/">jsoup</a>
  <span class="seperator">&raquo;</span> jsoup License
</div>
<div class="content">
  <div class="col1">
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  </div>
<!-- /col1 -->
<div class="col2">
</div>
<!-- /col2 -->
</div>
<!-- /content-->
<div class="footer">
  <b>jsoup HTML parser</b> &copy; 2009 - 2014
  <a href="http://jhy.io/" rel="author"><b>Jonathan Hedley</b></a>
</div>
</div>
<!-- /wrap -->
<script src="/rez/prettify.js"></script>
<script>prettyPrint();</script>
</body>
</html>

```

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## 2.0.9.Final

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\* /opt/ws\_local/PERMITS\_SQL/1014430190\_1591376845.89/0/netty-tcnative-2-0-9-final-sources-jar/io/netty/internal/tcnative/SSLContext.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014835333\_1591897440.59/0/awaitility-4-0-1-sources-jar/org/awaitility/reflect/FieldNameAndTypeMatcherStrategy.java

\* /opt/ws\_local/PERMITS\_SQL/1014835333\_1591897440.59/0/awaitility-4-0-1-sources-jar/org/awaitility/reflect/AssignableToFieldTypeMatcherStrategy.java

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jar/org/awaitility/core/ConditionEvaluationHandler.java

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- \* /opt/ws\_local/PERMITS\_SQL/1014835333\_1591897440.59/awaitility-4-0-1-sources-jar/org/awaitility/core/ThrowingRunnable.java
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## 1.650 jackson-module-parameter-names

### 2.9.10

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# 1.653 io-grpc-grpc-testing 1.25.0

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* Returns the ciphers preferred to use during tests. They may be chosen because they are widely
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* @deprecated Not for public use
*/
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1014842711_1591896934.85/0/grpc-testing-1-25-0-sources-
jar/io/grpc/testing/TestUtils.java
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* /opt/ws_local/PERMITS_SQL/1014842711_1591896934.85/0/grpc-testing-1-25-0-sources-
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```

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```
*/opt/ws_local/PERMITS_SQL/1014842711_1591896934.85/0/grpc-testing-1-25-0-sources-
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*/opt/ws_local/PERMITS_SQL/1014842711_1591896934.85/0/grpc-testing-1-25-0-sources-
jar/io/grpc/testing/GrpcCleanupRule.java
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\* /opt/ws\_local/PERMITS\_SQL/1014842711\_1591896934.85/0/grpc-testing-1-25-0-sources-jar/io/grpc/internal/NoopServerCall.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842711\_1591896934.85/0/grpc-testing-1-25-0-sources-jar/io/grpc/testing/GrpcServerRule.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842711\_1591896934.85/0/grpc-testing-1-25-0-sources-jar/io/grpc/internal/testing/StatsTestUtils.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842711\_1591896934.85/0/grpc-testing-1-25-0-sources-jar/io/grpc/internal/NoopClientCall.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842711\_1591896934.85/0/grpc-testing-1-25-0-sources-jar/io/grpc/internal/testing/AbstractClientTransportFactoryTest.java  
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\* /opt/ws\_local/PERMITS\_SQL/1014842711\_1591896934.85/0/grpc-testing-1-25-0-sources-jar/io/grpc/testing/StreamRecorder.java  
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* /opt/ws_local/PERMITS_SQL/1014842711_1591896934.85/0/grpc-testing-1-25-0-sources-
jar/io/grpc/testing/TestMethodDescriptors.java
* /opt/ws_local/PERMITS_SQL/1014842711_1591896934.85/0/grpc-testing-1-25-0-sources-
jar/io/grpc/internal/testing/SingleMessageProducer.java
* /opt/ws_local/PERMITS_SQL/1014842711_1591896934.85/0/grpc-testing-1-25-0-sources-
jar/io/grpc/testing/TlsTesting.java
* /opt/ws_local/PERMITS_SQL/1014842711_1591896934.85/0/grpc-testing-1-25-0-sources-
jar/io/grpc/internal/TestingAccessor.java
* /opt/ws_local/PERMITS_SQL/1014842711_1591896934.85/0/grpc-testing-1-25-0-sources-
jar/io/grpc/internal/testing/TestServerStreamTracer.java
* /opt/ws_local/PERMITS_SQL/1014842711_1591896934.85/0/grpc-testing-1-25-0-sources-
jar/io/grpc/internal/testing/TestStreamTracer.java
* /opt/ws_local/PERMITS_SQL/1014842711_1591896934.85/0/grpc-testing-1-25-0-sources-
jar/io/grpc/internal/testing/TestClientStreamTracer.java
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- \* /opt/ws\_local/PERMITS\_SQL/1014842713\_1591379264.38/0/perfmark-java9-0-19-0-sources-jar/io/perfmark/java9/SecretVarHandleMarkHolderProvider.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842713\_1591379264.38/0/perfmark-java9-0-19-0-sources-jar/io/perfmark/java9/Internal.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842713\_1591379264.38/0/perfmark-java9-0-19-0-sources-jar/io/perfmark/java9/SecretVarHandleGenerator.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842713\_1591379264.38/0/perfmark-java9-0-19-0-sources-jar/io/perfmark/java9/package-info.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842713\_1591379264.38/0/perfmark-java9-0-19-0-sources-jar/io/perfmark/java9/VarHandleMarkHolder.java

# 1.655 io-grpc-grpc-core 1.25.0

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- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/MessageFramer.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/ClientStream.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/MessageDeframer.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/SerializingExecutor.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-

jar/io/grpc/internal/CompositeReadableBuffer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-  
jar/io/grpc/internal/StreamListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-  
jar/io/grpc/internal/ReadableBuffers.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-  
jar/io/grpc/internal/ReadableBuffer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-  
jar/io/grpc/internal/ForwardingReadableBuffer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-  
jar/io/grpc/internal/AbstractManagedChannelImplBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-  
jar/io/grpc/internal/AbstractClientStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-  
jar/io/grpc/internal/TransportFrameUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-  
jar/io/grpc/internal/ClientCallImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-  
jar/io/grpc/internal/ClientStreamListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-  
jar/io/grpc/internal/Stream.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-  
jar/io/grpc/internal/ClientTransportFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-  
jar/io/grpc/internal/GrpcUtil.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-  
jar/io/grpc/internal/ServerListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-  
jar/io/grpc/internal/ServerImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-  
jar/io/grpc/internal/AbstractServerStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-  
jar/io/grpc/internal/ServerStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-  
jar/io/grpc/internal/Http2ClientStreamTransportState.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-  
jar/io/grpc/internal/AbstractReadableBuffer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-  
jar/io/grpc/internal/ServerStreamListener.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-  
jar/io/grpc/util/MutableHandlerRegistry.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-  
jar/io/grpc/internal/AbstractStream.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-  
jar/io/grpc/internal/SharedResourceHolder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-  
jar/io/grpc/internal/AbstractServerImplBuilder.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-

jar/io/grpc/internal/ServerTransportListener.java

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\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/AutoConfiguredLoadBalancerFactory.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/ChannelTracer.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/DeprecatedCensusConstants.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/ForwardingClientStreamListener.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/JsonParser.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/RetryPolicy.java

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\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/PickFirstLoadBalancerProvider.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/ServerCallInfoImpl.java

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\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/util/SecretRoundRobinLoadBalancerProvider.java

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\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/Rescheduler.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/ChannelLoggerImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/util/ForwardingLoadBalancer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/ManagedChannelOrphanWrapper.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/ServiceConfigInterceptor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/ServiceConfigUtil.java

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\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/ConscryptLoader.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/util/ForwardingSubchannel.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/util/GracefulSwitchLoadBalancer.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/TransportProvider.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/util/ForwardingClientStreamTracer.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/BaseDnsNameResolverProvider.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/JsonUtil.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-

jar/io/grpc/internal/InsightBuilder.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-

jar/io/grpc/internal/ServiceConfigState.java

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\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-

jar/io/grpc/inprocess/InProcessTransport.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-

jar/io/grpc/internal/NoopClientStream.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-

jar/io/grpc/internal/DelayedStream.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-

jar/io/grpc/inprocess/InProcessServer.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-

jar/io/grpc/inprocess/InProcessChannelBuilder.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-

jar/io/grpc/internal/InternalSubchannel.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-

jar/io/grpc/internal/DnsNameResolverProvider.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-

jar/io/grpc/internal/ServerTransport.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-

jar/io/grpc/internal/ContextRunnable.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-

jar/io/grpc/inprocess/InProcessServerBuilder.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-

jar/io/grpc/internal/SerializeReentrantCallsDirectExecutor.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-

jar/io/grpc/internal/ExponentialBackoffPolicy.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-

jar/io/grpc/internal/PickFirstLoadBalancer.java



\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/inprocess/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/WritableBufferAllocator.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/InternalServer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/ServerCallImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/BackoffPolicy.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/WritableBuffer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/DnsNameResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/Http2Ping.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/DelayedClientTransport.java

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\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/AtomicLongCounter.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/TimeProvider.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/RetriableStream.java

\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-

jar/io/grpc/internal/Deframer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/OverrideAuthorityNameResolverFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/ForwardingNameResolver.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/GrpcAttributes.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/util/TransmitStatusRuntimeExceptionInterceptor.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/ApplicationThreadDeframer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/ReflectionLongAdderCounter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/ProxyDetectorImpl.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/LongCounterFactory.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/AtomicBackoff.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/LongCounter.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/GzipInflatingBuffer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/util/package-info.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/Framer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/TransportTracer.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/FixedObjectPool.java  
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- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/FailingClientStream.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/LogExceptionRunnable.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/inprocess/InProcessSocketAddress.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/ObjectPool.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/CallCredentialsApplyingTransportFactory.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/SharedResourcePool.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/KeepAliveManager.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/StatsTraceContext.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/CensusStatsModule.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/OobChannel.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/AbstractSubchannel.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/ClientTransport.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/ConnectivityStateManager.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/FailingClientTransport.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/ManagedChannelImpl.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/PickSubchannelArgsImpl.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/InUseStateAggregator.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/ManagedClientTransport.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/CensusTracingModule.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/MetadataApplierImpl.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/internal/InternalHandlerRegistry.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842715\_1591365900.0/0/grpc-core-1-25-0-sources-jar/io/grpc/util/RoundRobinLoadBalancer.java

```
* /opt/ws_local/PERMITS_SQL/1014842715_1591365900.0/0/grpc-core-1-25-0-sources-
jar/io/grpc/internal/SubchannelChannel.java
* /opt/ws_local/PERMITS_SQL/1014842715_1591365900.0/0/grpc-core-1-25-0-sources-
jar/io/grpc/internal/ForwardingConnectionClientTransport.java
```

# 1.656 io-grpc-grpc-stub 1.25.0

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jar/io/grpc/stub/annotations/RpcMethod.java
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\* /opt/ws\_local/PERMITS\_SQL/1014842712\_1591896956.19/0/grpc-stub-1-25-0-sources-jar/io/grpc/stub/CallStreamObserver.java

\* /opt/ws\_local/PERMITS\_SQL/1014842712\_1591896956.19/0/grpc-stub-1-25-0-sources-jar/io/grpc/stub/ClientCallStreamObserver.java

\* /opt/ws\_local/PERMITS\_SQL/1014842712\_1591896956.19/0/grpc-stub-1-25-0-sources-jar/io/grpc/stub/ClientResponseObserver.java

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\* /opt/ws\_local/PERMITS\_SQL/1014842712\_1591896956.19/0/grpc-stub-1-25-0-sources-jar/io/grpc/stub/ClientCalls.java

\* /opt/ws\_local/PERMITS\_SQL/1014842712\_1591896956.19/0/grpc-stub-1-25-0-sources-jar/io/grpc/stub/StreamObserver.java

\* /opt/ws\_local/PERMITS\_SQL/1014842712\_1591896956.19/0/grpc-stub-1-25-0-sources-jar/io/grpc/stub/AbstractStub.java

\* /opt/ws\_local/PERMITS\_SQL/1014842712\_1591896956.19/0/grpc-stub-1-25-0-sources-jar/io/grpc/stub/ServerCalls.java

## 1.657 netty-tomcatnative-boringssl-static

### 2.0.27.Final

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\* /opt/ws\_local/PERMITS\_SQL/1014842709\_1591376803.5/0/netty-tcnative-boringssl-static-2-0-27-final-sources-jar/io/netty/internal/tcnative/CertificateVerifier.java

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\* /opt/ws\_local/PERMITS\_SQL/1014842709\_1591376803.5/0/netty-tcnative-boringssl-static-2-0-27-final-sources-jar/io/netty/internal/tcnative/NativeStaticallyReferencedJniMethods.java

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jar/io/netty/internal/tcnative/SSLPrivateKeyMethod.java  
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jar/io/netty/internal/tcnative/CertificateCallbackTask.java  
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jar/io/netty/internal/tcnative/CertificateVerifierTask.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842709\_1591376803.5/0/netty-tcnative-boringssl-static-2-0-27-final-sources-  
jar/io/netty/internal/tcnative/SSLPrivateKeyMethodTask.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842709\_1591376803.5/0/netty-tcnative-boringssl-static-2-0-27-final-sources-  
jar/io/netty/internal/tcnative/SSLPrivateKeyMethodDecryptTask.java  
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- \* /opt/ws\_local/PERMITS\_SQL/1014842709\_1591376803.5/0/netty-tcnative-boringssl-static-2-0-27-final-sources-jar/io/netty/internal/tcnative/SSL.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842709\_1591376803.5/0/netty-tcnative-boringssl-static-2-0-27-final-sources-jar/io/netty/internal/tcnative/SSLContext.java
- \* /opt/ws\_local/PERMITS\_SQL/1014842709\_1591376803.5/0/netty-tcnative-boringssl-static-2-0-27-final-sources-jar/io/netty/internal/tcnative/Buffer.java

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jar/io/netty/internal/tcnative/CertificateRequestedCallback.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842709\_1591376803.5/0/netty-tcnative-boringssl-static-2-0-27-final-sources-  
jar/io/netty/internal/tcnative/SessionTicketKey.java

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## 4.1.1.4

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\* /opt/ws\_local/PERMITS\_SQL/1014842714\_1591897072.99/0/annotations-4-1-1-4-sources-  
jar/android/annotation/SuppressLint.java  
\* /opt/ws\_local/PERMITS\_SQL/1014842714\_1591897072.99/0/annotations-4-1-1-4-sources-  
jar/android/annotation/TargetApi.java

# 1.659 apache-common-codec 1.13

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## 1.660 libdevmapper 1.02.145-

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/\*

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```
// from https://spdx.org/licenses/
```

```
var osi = []string{  
    "AFL-1.1",  
    "AFL-1.2",  
    "AFL-2.0",  
    "AFL-2.1",  
    "AFL-3.0",  
    "APL-1.0",  
    "Apache-1.1",  
    "Apache-2.0",  
    "APSL-1.0",  
    "APSL-1.1",  
    "APSL-1.2",  
    "APSL-2.0",  
    "Artistic-1.0",  
    "Artistic-1.0-Perl",  
    "Artistic-1.0-cl8",  
    "Artistic-2.0",  
    "AAL",  
    "BSL-1.0",  
    "BSD-2-Clause",  
    "BSD-3-Clause",  
    "0BSD",  
    "CECILL-2.1",  
    "CNRI-Python",  
    "CDDL-1.0",  
    "CPAL-1.0",  
    "CPL-1.0",  
    "CATOSL-1.1",  
    "CUA-OPL-1.0",  
    "EPL-1.0",  
    "ECL-1.0",  
    "ECL-2.0",  
    "EFL-1.0",  
    "EFL-2.0",  
    "Entessa",
```

"EUDatagrid",  
"EURL-1.1",  
"Fair",  
"Frameworkx-1.0",  
"AGPL-3.0",  
"GPL-2.0",  
"GPL-3.0",  
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"LGPL-3.0",  
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"HPND",  
"IPL-1.0",  
"Intel",  
"IPA",  
"ISC",  
"LPPL-1.3c",  
"LiLiQ-P-1.1",  
"LiLiQ-Rplus-1.1",  
"LiLiQ-R-1.1",  
"LPL-1.02",  
"LPL-1.0",  
"MS-PL",  
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"MirOS",  
"MIT",  
"Motosoto",  
"MPL-1.0",  
"MPL-1.1",  
"MPL-2.0",  
"MPL-2.0-no-copyleft-exception",  
"Multics",  
"NASA-1.3",  
"Naumen",  
"NGPL",  
"Nokia",  
"NPOSL-3.0",  
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"OGTSL",  
"OSL-1.0",  
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"OSET-PL-2.1",  
"PHP-3.0",  
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"Python-2.0",  
"QPL-1.0",

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"RPSL-1.0",  
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"VSL-1.0",  
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"Xnet",  
"Zlib",  
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}
```

```
var allLicenses = []string{
```

```
"Glide",  
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"AFL-2.0",  
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"Adobe-Glyph",  
"APAFML",  
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"AGPL-1.0",  
"Afmparse",  
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"AMDPLPA",  
"ANTLR-PD",  
"Apache-1.0",  
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"BitTorrent-1.0",  
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"BSL-1.0",  
"Borceux",  
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"BSD-2-Clause-FreeBSD",  
"BSD-2-Clause-NetBSD",  
"BSD-3-Clause",  
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"BSD-3-Clause-No-Nuclear-License",  
"BSD-3-Clause-No-Nuclear-License-2014",  
"BSD-3-Clause-No-Nuclear-Warranty",  
"BSD-4-Clause",  
"BSD-Protection",  
"BSD-Source-Code",  
"BSD-3-Clause-Attribution",  
"0BSD",  
"BSD-4-Clause-UC",  
"bzip2-1.0.5",  
"bzip2-1.0.6",  
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"CECILL-1.0",  
"CECILL-1.1",  
"CECILL-2.0",  
"CECILL-2.1",  
"CECILL-B",  
"CECILL-C",  
"CIArtistic",  
"MIT-CMU",  
"CNRI-Jython",  
"CNRI-Python",  
"CNRI-Python-GPL-Compatible",  
"CPOL-1.02",  
"CDDL-1.0",  
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"CC-BY-ND-1.0",  
"CC-BY-ND-2.0",  
"CC-BY-ND-2.5",  
"CC-BY-ND-3.0",  
"CC-BY-ND-4.0",  
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"EFL-2.0",  
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"MIT-enna",

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"Fair",  
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"gnuplot",  
"gSOAP-1.3b",  
"HaskellReport",  
"HPND",  
"IBM-pibs",  
"IPL-1.0",  
"ICU",  
"ImageMagick",  
"iMatix",  
"Imlib2",  
"IJG",  
"Info-ZIP",  
"Intel-ACPI",  
"Intel",  
"Interbase-1.0",  
"IPA",  
"ISC",  
"JasPer-2.0",  
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"LPPL-1.1",

"LPPL-1.2",  
"LPPL-1.3a",  
"LPPL-1.3c",  
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"BSD-3-Clause-LBNL",  
"Leptonica",  
"LGPLLR",  
"Libpng",  
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"LAL-1.3",  
"LiLiQ-P-1.1",  
"LiLiQ-Rplus-1.1",  
"LiLiQ-R-1.1",  
"LPL-1.02",  
"LPL-1.0",  
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"MTLL",  
"MS-PL",  
"MS-RL",  
"MirOS",  
"MITNFA",  
"MIT",  
"Motosoto",  
"MPL-1.0",  
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"Multics",  
"Mup",  
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"Naumen",  
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"Net-SNMP",  
"NetCDF",  
"NGPL",  
"NOSL",  
"NPL-1.0",  
"NPL-1.1",  
"Newsletr",  
"NLPL",  
"Nokia",  
  
"NPOSL-3.0",  
  
"NLOD-1.0",  
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"NRL",  
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"OCCT-PL",  
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"OLDAP-1.4",  
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"OLDAP-2.0.1",  
"OLDAP-2.1",  
"OLDAP-2.2",  
"OLDAP-2.2.1",  
"OLDAP-2.3",  
"OLDAP-2.4",  
"OLDAP-2.5",  
"OLDAP-2.6",  
"OLDAP-2.7",  
"OLDAP-2.8",  
"OML",  
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"RSA-MD",  
"Ruby",  
"SAX-PD",  
"Saxpath",  
"SCEA",  
"SWL",  
"SMPPL",  
"Sendmail",  
"SGI-B-1.0",  
"SGI-B-1.1",  
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"Sleepycat",  
  
"SNIA",  
"Spencer-86",  
"Spencer-94",  
"Spencer-99",  
"SMLNJ",  
"SugarCRM-1.1.3",  
"SISSL",  
  
"SISSL-1.2",  
"SPL-1.0",  
  
"Watcom-1.0",  
  
"TCL",

```
"TCP-wrappers",
"Unlicense",
"TMate",
"TORQUE-1.1",
"TOSL",
"Unicode-DFS-2015",
"Unicode-DFS-2016",
"Unicode-TOU",
"UPL-1.0",

"NCSA",

"Vim",
"VOSTROM",
"VSL-1.0",

"W3C-20150513",
"W3C-19980720",
"W3C",

"Wsuipa",
"Xnet",

"X11",
"Xerox",
"XFree86-1.1",
"xinetd",
"xpp",
"XSkat",
"YPL-1.0",
"YPL-1.1",
"Zed",
"Zend-2.0",
"Zimbra-1.3",
"Zimbra-1.4",
"Zlib",

"zlib-acknowledgement",
"ZPL-1.1",
"ZPL-2.0",

"ZPL-2.1",

// FIXME: non SPDX licenses that the snapstore uses
"Proprietary",
}

// from
```

[https://www.google.com/url?q=https://docs.google.com/a/s.sfusd.edu/document/d/1wE\\_zvLU4c291ACi9wIJmQoE4ltKRW4rzM1TYiIvEVOs/edit?pli%3D1%23heading%3Dh.ruv3yl8g6czd&sa=D&ust=1473291615601000&usg=AFQjCNFyLcPLdEarX1TOesGWxg9Afb57mA](https://www.google.com/url?q=https://docs.google.com/a/s.sfusd.edu/document/d/1wE_zvLU4c291ACi9wIJmQoE4ltKRW4rzM1TYiIvEVOs/edit?pli%3D1%23heading%3Dh.ruv3yl8g6czd&sa=D&ust=1473291615601000&usg=AFQjCNFyLcPLdEarX1TOesGWxg9Afb57mA)

```
var licenseExceptions = []string{
    "Autoconf-exception-2.0",
    "Autoconf-exception-3.0",
    "Bison-exception-2.2",
    "Classpath-exception-2.0",
    "eCos-exception-2.0",
    "Font-exception-2.0",
    "GCC-exception-2.0",
    "GCC-exception-3.1",
    "WxWindows-exception-3.1",
}
```

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- readerc.go
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Gocheck - A rich testing framework for Go

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mgo - MongoDB driver for Go

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Source: <https://github.com/snapcore/snapd>

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tomb - support for clean goroutine termination in Go.

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Upstream-Name: snappy

Source: <https://github.com/snapcore/snapd>

Files: \*

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## 1.664 pyyaml 3.12-1build2

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@end macro
```

```
@macro copyrightstart{  
@end macro
```

```
@macro copyrightend{  
@end macro
```

```
@node Copyrights and Licenses, , Acknowledgments, Top  
@comment node-name, next, previous, up  
@appendix Copyrights and Licenses
```

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rijndael-alg-fst.c

@version 3.0 (December 2000)

Optimised ANSI C code for the Rijndael cipher (now AES)

@author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>

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Thanks to: Dan Hoey for his excellent Initial and Inverse permutation code; Jim Gillogly & Phil Karn for the DES key schedule code; Dennis



Ferguson, Eric Young and Dana How for comparing notes; and Ray Lau,  
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\* /opt/ws\_local/PERMITS\_SQL/1016069576\_1591376561.33/0/netkit-ftp-0-17-orig-tar-gz/netkit-ftp-0.17/ftp/ruserpass.c

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\* from: @(#)pathnames.h 5.2 (Berkeley) 6/1/90

\* \$Id: pathnames.h,v 1.1 1996/07/13 23:46:07 dholland Exp \$

\*/

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\* /opt/ws\_local/PERMITS\_SQL/1016069576\_1591376561.33/0/netkit-ftp-0-17-orig-tar-gz/netkit-ftp-0.17/ftp/pathnames.h

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\* /opt/ws\_local/PERMITS\_SQL/1016069576\_1591376561.33/0/netkit-ftp-0-17-orig-tar-gz/netkit-ftp-0.17/ftp/main.c  
\* /opt/ws\_local/PERMITS\_SQL/1016069576\_1591376561.33/0/netkit-ftp-0-17-orig-tar-gz/netkit-ftp-0.17/ftp/cmds.c  
\* /opt/ws\_local/PERMITS\_SQL/1016069576\_1591376561.33/0/netkit-ftp-0-17-orig-tar-gz/netkit-ftp-0.17/ftp/cmdtab.c

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\* from: @(#)ftp\_var.h 5.9 (Berkeley) 6/1/90  
 \* \$Id: ftp\_var.h,v 1.12 1999/10/02 18:39:17 dholland Exp \$  
 \*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1016069576\_1591376561.33/0/netkit-ftp-0-17-orig-tar-gz/netkit-ftp-0.17/ftp/ftp\_var.h

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.\"
.\" from: @(#)ftp.1 6.18 (Berkeley) 7/30/91
.\" from: ftp.1,v 1.2 1997/06/08 20:01:35 dholland Exp
.\" $Id: netrc.5,v 1.12 2000/07/30 23:56:59 dholland Exp $
.\"
```

Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1016069576_1591376561.33/0/netkit-ftp-0-17-orig-tar-gz/netkit-ftp-0.17/ftp/netrc.5
```

# 1.669 linux-kernel 4.15.0-72.81

## 1.669.1 Available under license :

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/\* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)

\* nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)

\*

\* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.

\* <http://www.hypermall.com/>

\* 10/1/97 - commented out CFG\_PHYIE bit - we don't care when the PHY

\* interrupts us (except possibly for removal/insertion of the cable?)

\* 10/4/97 - began heavy inline documentation of the code. Corrected typos

\* and spelling mistakes.

\* 10/5/97 - added code to handle PHY interrupts, disable PHY on

\* loss of link, and correctly re-enable PHY when link is

\* re-established. (put back CFG\_PHYIE)

\*

\* Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.

```

*
* R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
*
* Linux driver for the IDT77201 NICStAR PCI ATM controller.
* PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
* see init_nicstar() for PHY initialization to change this. This driver
* expects the Linux ATM stack to support scatter-gather lists
* (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
*
* Implementing minimal-copy of received data:
* IDT always receives data into a small buffer, then large buffers
* as needed. This means that data must always be copied to create
* the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
* Fix is simple: make large buffers large enough to hold entire
* SDU, and leave <small_buffer_data> bytes empty at the start. Then
* copy small buffer contents to head of large buffer.
* Trick is to avoid fragmenting Linux, due to need for a lot of large
* buffers. This is done by 2 things:
* 1) skb->destructor / skb->atm.recycle_buffer
*    combined, allow nicstar_free_rx_skb to be called to
*    recycle large data buffers
* 2) skb_clone of received buffers
* See nicstar_free_rx_skb and linearize_buffer for implementation
* details.
*
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* Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
*
* M. Welsh, 6 July 1996
*
*/

```



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```
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```

```
static inline int license_is_gpl_compatible(const char *license)
{
    return (strcmp(license, "GPL") == 0
        || strcmp(license, "GPL v2") == 0
        || strcmp(license, "GPL and additional rights") == 0
        || strcmp(license, "Dual BSD/GPL") == 0
        || strcmp(license, "Dual MIT/GPL") == 0
```

```
|| strcmp(license, "Dual MPL/GPL") == 0);  
}
```

#endif

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## 1.672 texinfo 6.5.0.dfsg.1-2

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<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
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This is a test manual, trivially and explicitly in the public domain.

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blockquote.smallindentedblock {margin-right: 0em; font-size: smaller}
blockquote.smallquotation {font-size: smaller}
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div.lisp {margin-left: 3.2em}
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rel="contents">Contents</a>]</p>
</div>
<a name="Copying-and-indices-1"></a>
<h2 class="appendix">Appendix A Copying and indices</h2>

<p>In the appendix, we print the indices and references.
</p>
<a name="index-another-fun"></a>

<a name="index-Copying-appendix"></a>

<p><a href="index.html#Copying-information">Copying information</a> for the copying information.
<a href="index.html#Public-domain-reference">Public domain reference</a> for reference on the licence.
</p>
<p><a href="index.html#Titlepage-anchor">Titlepage anchor</a> for the titlepage.
<a href="index.html#Titlepage-footnote-anchor">Titlepage footnote anchor</a> for reference on the titlepage.
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&nbsp;</td>
<a class="summary-letter" href="#Copying-and-indices_fn_letter-F"><b>F</b></a>
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fun"><code>fun</code></a>:</td><td>&nbsp;</td><td valign="top"><a
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indices_fn_letter-A"><b>A</b></a>
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<h2 class="contents-heading">Table of Contents</h2>

<div class="contents">

<ul class="no-bullet">
<li><a name="toc-Chapter" href="index.html#Chapter">1 Chapter</a></li>
<li><a name="toc-Copying-and-indices-1" href="#Copying-and-indices">Appendix A Copying and

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indices</a></li>

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</div>

<hr>

<div class="header">

<p>

Previous: <a href="index.html#Top" accesskey="p" rel="prev">Top</a>, Up: <a href="index.html#Top" accesskey="u" rel="up">Top</a> &nbsp; [<a href="#SEC\_Contents" title="Table of contents" rel="contents">Contents</a>]</p>

</div>

</body>

</html>

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"

"http://www.w3.org/TR/html4/loose.dtd">

<html>

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-->

<!-- Created by texinfo, http://www.gnu.org/software/texinfo/ -->

<head>

<meta http-equiv="Content-Type" content="text/html; charset=utf-8">

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<meta name="description" content="Appendix A Copying and indices (Top)">

<meta name="keywords" content="Appendix A Copying and indices (Top)">

<meta name="resource-type" content="document">

<meta name="distribution" content="global">

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a.summary-letter {text-decoration: none}

blockquote.indentedblock {margin-right: 0em}

blockquote.smallindentedblock {margin-right: 0em; font-size: smaller}

blockquote.smallquotation {font-size: smaller}

div.display {margin-left: 3.2em}

div.example {margin-left: 3.2em}

div.lisp {margin-left: 3.2em}

div.smalldisplay {margin-left: 3.2em}

div.smallexample {margin-left: 3.2em}

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kbd {font-style: oblique}



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pre.display {font-family: inherit}
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pre.menu-preformatted {font-family: serif}
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pre.smallexample {font-size: smaller}
pre.smallformat {font-family: inherit; font-size: smaller}
pre.smalllisp {font-size: smaller}
span.nolinebreak {white-space: nowrap}
span.roman {font-family: initial; font-weight: normal}
span.sansserif {font-family: sans-serif; font-weight: normal}
ul.no-bullet {list-style: none}
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</head>
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<td valign="middle" align="left"><a href="index.html#Top" title="Up section"> Up </a></td>
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<p>In the appendix, we print the indices and references.
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<a name="index-Copying-appendix"></a>

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[Copying information](index.html#Copying-information) for the copying information.  
[Public domain reference](index_special_region_fot.html#Public-domain-reference) for reference on the licence.

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[Titlepage anchor](index.html#Titlepage-anchor) for the titlepage.

[Titlepage footnote anchor](index_special_region_fot.html#Titlepage-footnote-anchor) for reference on the titlepage.

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<a name="Copying-information"></a>

This is a test manual, trivially and explicitly in the public domain<a name="DOCF1\_4" href="index\_special\_region\_fot.html#FOOT1\_4"><sup>4</sup></a>.

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Jump to: &nbsp;	<a class="summary-letter" href="#Copying-and-indices-1_cp_letter-C"><b>C</b></a>
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</tr></table>
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href="http://www.gnu.org/software/texinfo/"><em>texi2any</em></a>.
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"http://www.w3.org/TR/html4/loose.dtd">
<html>
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This is a test manual, trivially and explicitly in the public
domain.

-->
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<h1 class="appendix">Appendix A Copying and indices</h1>

<p>In the appendix, we print the indices and references.
</p>
<a name="index-another-fun"></a>

<a name="index-Copying-appendix"></a>

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<a href="index_special_region_no_insertcopying_fot.html#Public-domain-reference">Public domain reference</a>
for reference on the licence.
</p>
<p><a href="index.html#Titlepage-anchor">Titlepage anchor</a> for the titlepage.
<a href="index_special_region_no_insertcopying_fot.html#Titlepage-footnote-anchor">Titlepage footnote
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This document was generated on <em>a sunny day</em> using <a
href="http://www.gnu.org/software/texinfo/"><em>texi2any</em></a>.
</font></p>

</body>
</html>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<!--
Copyright notice, public domain

```



Public domain is not really a licence, as it means than the author abandon his copyright.

-->

<!-- Created by texinfo, http://www.gnu.org/software/texinfo/ -->

<head>

<meta http-equiv="Content-Type" content="text/html; charset=utf-8">

<title>Appendix A Copying and floats (Top)</title>

<meta name="description" content="Appendix A Copying and floats (Top)">

<meta name="keywords" content="Appendix A Copying and floats (Top)">

<meta name="resource-type" content="document">

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<meta name="Generator" content="texi2any">

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pre.menu-comment {font-family: serif}

pre.menu-preformatted {font-family: serif}

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pre.smallexample {font-size: smaller}

pre.smallformat {font-family: inherit; font-size: smaller}

pre.smalllisp {font-size: smaller}

span.nolinebreak {white-space: nowrap}

span.roman {font-family: initial; font-weight: normal}

span.sansserif {font-family: sans-serif; font-weight: normal}

ul.no-bullet {list-style: none}

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<a name="Copying-and-floats-1"></a>
<h1 class="appendix">Appendix A Copying and floats</h1>

```

```

<p>In the appendix, we print the references and the copying once more
and the list of coyright notices (listoffloats).

```

```

</p>
<p>See the caption <a href="index.html#public-domain-anchor">public domain anchor</a>.
</p>
<p>See the float <a href="index.html#public-domain">Copyright notice 1</a>.
</p>
<a name="index-listofloats"></a>

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```

<div class="float"><a name="public-domain"></a>

```

```

<p>Public domain is not really a licence, as it means than
the author abandon his copyright.

```

```

</p>
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<a name="index-copying-indexed-caption-function"></a>
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```

<div class="float"><a name="public-domain"></a>

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<p>Public domain is not really a licence, as it means than
the author abandon his copyright.

```

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</p>
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```

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This document was generated on `<em>a sunny day</em>` using `<a href="http://www.gnu.org/software/texinfo/"><em>texi2any</em></a>`.  
</font></p>

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<html>  
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This is a test manual, trivially and explicitly in the public domain.

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pre.smalllisp {font-size: smaller}  
span.nolinebreak {white-space: nowrap}

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span.roman { font-family: initial; font-weight: normal }
span.sansserif { font-family: sans-serif; font-weight: normal }
ul.no-bullet { list-style: none }
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<a name="index-Copying-appendix"></a>

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reference on the licence.
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This is a test manual, trivially and explicitly in the public
domain.

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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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- a) Accompany the work with the complete corresponding

machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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<one line to give the library's name and a brief idea of what it does.>

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Also add information on how to contact you by electronic and paper mail.

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Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990  
Ty Coon, President of Vice

That's all there is to it!

```
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<!--
```

This is a test manual, trivially and explicitly in the public domain.

```
-->
<!-- Created by texinfo, http://www.gnu.org/software/texinfo/ -->
<!-- This file redirects to the location of a node or anchor -->
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8">
<title>Copying information (Top)</title>

<meta name="description" content="Copying information (Top)">
<meta name="keywords" content="Copying information (Top)">
```



```

<meta name="resource-type" content="document">
<meta name="distribution" content="global">
<meta name="Generator" content="texi2any">
<style type="text/css">
<!--
a.summary-letter {text-decoration: none}
blockquote.indentedblock {margin-right: 0em}
blockquote.smallindentedblock {margin-right: 0em; font-size: smaller}
blockquote.smallquotation {font-size: smaller}
div.display {margin-left: 3.2em}
div.example {margin-left: 3.2em}
div.lisp {margin-left: 3.2em}
div.smalldisplay {margin-left: 3.2em}
div.smallexample {margin-left: 3.2em}
div.smalllisp {margin-left: 3.2em}
kbd {font-style: oblique}
pre.display {font-family: inherit}
pre.format {font-family: inherit}
pre.menu-comment {font-family: serif}
pre.menu-preformatted {font-family: serif}
pre.smalldisplay {font-family: inherit; font-size: smaller}
pre.smallexample {font-size: smaller}
pre.smallformat {font-family: inherit; font-size: smaller}
pre.smalllisp {font-size: smaller}
span.nolinebreak {white-space: nowrap}
span.roman {font-family: initial; font-weight: normal}
span.sansserif {font-family: sans-serif; font-weight: normal}
ul.no-bullet {list-style: none}
-->
</style>

<meta http-equiv="Refresh" content="0; url=index.html#Copying-information">

</head>

<body lang="en">

<p>The node you are looking for is at <a href="index.html#Copying-information">Copying information</a>.</p>
</body>
use vars qw(%result_taxis %result_texts %result_trees %result_errors
%result_indices %result_sectioning %result_nodes %result_menus
%result_floats %result_converted %result_converted_errors
%result_elements %result_directions_text);

use utf8;

$result_trees{'copying_not_closed'} = {
'contents' => [

```

```

{
  'cmdname' => 'copying',
  'contents' => [
    {
      'extra' => {
        'command' => {}
      },
      'parent' => {},
      'text' => '
    ;
    'type' => 'empty_line_after_command'
  ],
  {
    'parent' => {},
    'text' => '
  ;
  'type' => 'empty_line'
},
{
  'contents' => [
    {
      'parent' => {},
      'text' => "This is a copyright notice
    }
  ],
  'parent' => {},
  'type' => 'paragraph'
}
],
'extra' => {
  'spaces_after_command' => {}
},
'line_nr' => {
  'file_name' => "",
  'line_nr' => 1,
  'macro' => ""
},
'parent' => {}
}
],
'type' => 'text_root'
};
$result_trees{'copying_not_closed'}{'contents'}[0]{'contents'}[0]{'extra'}{'command'} =
$result_trees{'copying_not_closed'}{'contents'}[0];
$result_trees{'copying_not_closed'}{'contents'}[0]{'contents'}[0]{'parent'} =
$result_trees{'copying_not_closed'}{'contents'}[0];
$result_trees{'copying_not_closed'}{'contents'}[0]{'contents'}[1]{'parent'} =

```

```

$result_trees{'copying_not_closed'}{'contents'}[0];
$result_trees{'copying_not_closed'}{'contents'}[0]{'contents'}[2]{'contents'}[0]{'parent'} =
$result_trees{'copying_not_closed'}{'contents'}[0]{'contents'}[2];
$result_trees{'copying_not_closed'}{'contents'}[0]{'contents'}[2]{'parent'} =
$result_trees{'copying_not_closed'}{'contents'}[0];
$result_trees{'copying_not_closed'}{'contents'}[0]{'extra'}{'spaces_after_command'} =
$result_trees{'copying_not_closed'}{'contents'}[0]{'contents'}[0];
$result_trees{'copying_not_closed'}{'contents'}[0]{'parent'} = $result_trees{'copying_not_closed'};

```

```

$result_taxis{'copying_not_closed'} = '@copying

```

```

This is a copyright notice
';

```

```

$result_texts{'copying_not_closed'} = "";

```

```

$result_errors{'copying_not_closed'} = [
{
'error_line' => ':3: no matching `@end copying\'
,
'file_name' => "",
'line_nr' => 3,
'macro' => "",
'text' => 'no matching `@end copying\'",
'type' => 'error'
}
];

```

```

1;
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<!--

```

```

This is a test manual, trivially and explicitly in the public
domain.

```

```

-->
<!-- Created by texinfo, http://www.gnu.org/software/texinfo/ -->
<head>
<meta http-equiv="Content-Type" content="text/html; charset=utf-8">
<title>Copying and indices (Top)</title>

<meta name="description" content="Copying and indices (Top)">
<meta name="keywords" content="Copying and indices (Top)">
<meta name="resource-type" content="document">

```

```

<meta name="distribution" content="global">
<meta name="Generator" content="texi2any">
<link href="index.html#Top" rel="start" title="Top">
<link href="index.html#Top" rel="index" title="Top">
<link href="#SEC_Contents" rel="contents" title="Table of Contents">
<link href="index.html#Top" rel="up" title="Top">
<link href="index.html#Top" rel="prev" title="Top">
<style type="text/css">
<!--
a.summary-letter {text-decoration: none}
blockquote.indentedblock {margin-right: 0em}
blockquote.smallindentedblock {margin-right: 0em; font-size: smaller}
blockquote.smallquotation {font-size: smaller}
div.display {margin-left: 3.2em}
div.example {margin-left: 3.2em}
div.lisp {margin-left: 3.2em}
div.smalldisplay {margin-left: 3.2em}
div.smallexample {margin-left: 3.2em}
div.smalllisp {margin-left: 3.2em}
kbd {font-style: oblique}
pre.display {font-family: inherit}
pre.format {font-family: inherit}
pre.menu-comment {font-family: serif}
pre.menu-preformatted {font-family: serif}
pre.smalldisplay {font-family: inherit; font-size: smaller}
pre.smallexample {font-size: smaller}
pre.smallformat {font-family: inherit; font-size: smaller}
pre.smalllisp {font-size: smaller}
span.nolinebreak {white-space: nowrap}
span.roman {font-family: initial; font-weight: normal}
span.sansserif {font-family: sans-serif; font-weight: normal}
ul.no-bullet {list-style: none}
-->
</style>

</head>

<body lang="en">
<a name="Copying-and-indices"></a>
<div class="header">
<p>
Previous: <a href="index.html#Top" accesskey="p" rel="prev">Top</a>, Up: <a href="index.html#Top"
accesskey="u" rel="up">Top</a> &nbsp;   [<a href="#SEC_Contents" title="Table of contents"
rel="contents">Contents</a>][<a href="index.html#Top" title="Index" rel="index">Index</a>]</p>
</div>
<a name="Copying-and-indices-1"></a>
<h2 class="appendix">Appendix A Copying and indices</h2>

```

<p>In the appendix, we print the indices and references.

</p>

<a name="index-another-fun"></a>

<a name="index-Copying-appendix"></a>

<p><a href="index.html#Copying-information">Copying information</a> for the copying information.

<a href="index.html#Public-domain-reference">Public domain reference</a> for reference on the licence.

</p>

<p><a href="index.html#Titlepage-anchor">Titlepage anchor</a> for the titlepage.

<a href="index.html#Titlepage-footnote-anchor">Titlepage footnote anchor</a> for reference on the titlepage.

</p>

<a name="index-copying-Copying-this-document"></a>

<a name="Copying-information"></a>

<p>This is a test manual, trivially and explicitly in the public

domain<a name="DOCF1\_2" href="#FOOT1\_2"><sup>2</sup></a>.

</p>

<table><tr><th valign="top">Jump to: &nbsp;  </th><td><a class="summary-letter" href="#Copying-and-indices\_cp\_letter-C"><b>C</b></a>

&nbsp;  </td></tr>

<a class="summary-letter" href="#Copying-and-indices\_cp\_letter-P"><b>P</b></a>

&nbsp;  </td></tr>

<a class="summary-letter" href="#Copying-and-indices\_cp\_letter-T"><b>T</b></a>

&nbsp;  </td></tr>

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<tr><td></td><td valign="top"><a href="#index-Copying-appendix">Copying appendix</a>:</td><td>&nbsp;  </td><td valign="top"><a href="#Copying-and-indices">Copying and indices</a></td></tr>

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<tr><td></td><td valign="top"><a href="index.html#index-titlepage-Titlepage-index">Titlepage index</a>:</td><td>&nbsp;  </td><td valign="top"><a href="index.html#Top">Top</a></td></tr>

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&nbsp;  <a class="summary-letter" href="#Copying-and-indices_cp_letter-T"><b>T</b></a>
&nbsp;  </td></tr></table>
```

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&nbsp;  </td></tr></table>
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&nbsp;  <a class="summary-letter" href="#Copying-and-indices_cp_letter-T"><b>T</b></a>
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<tr><td></td><th align="left">Index Entry</th><td>&nbsp;  </td><th align="left"> Section</th></tr>
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indices</a></td></tr>
<tr><td></td><td valign="top"><a href="index.html#index-copying-Copying-this-document">Copying this
document</a>:</td><td>&nbsp;  </td><td valign="top"><a href="index.html#Top">Top</a></td></tr>
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<tr><th><a name="Copying-and-indices_cp_letter-T">T</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="index.html#index-titlepage-Titlepage-footnote">Titlepage
footnote</a>:</td><td>&nbsp;  </td><td valign="top"><a href="index.html#Top">Top</a></td></tr>
<tr><td></td><td valign="top"><a href="index.html#index-titlepage-Titlepage-index">Titlepage
index</a>:</td><td>&nbsp;  </td><td valign="top"><a href="index.html#Top">Top</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
</table>
```

```
<table><tr><th valign="top">Jump to: &nbsp;  </th><td><a class="summary-letter" href="#Copying-and-indices_cp_letter-C"><b>C</b></a>
&nbsp;  </td></tr></table>
&nbsp;  <a class="summary-letter" href="#Copying-and-indices_cp_letter-P"><b>P</b></a>
&nbsp;  <a class="summary-letter" href="#Copying-and-indices_cp_letter-T"><b>T</b></a>
&nbsp;  </td></tr></table>
```

```
<table><tr><th valign="top">Jump to: &nbsp;  </th><td><a class="summary-letter" href="#Copying-and-indices_fn_letter-A"><b>A</b></a>
&nbsp;  </td></tr></table>
&nbsp;  <a class="summary-letter" href="#Copying-and-indices_fn_letter-F"><b>F</b></a>
&nbsp;  </td></tr></table>
```

```
<table class="index-fn" border="0">
<tr><td></td><th align="left">Index Entry</th><td>&nbsp;  </td><th align="left"> Section</th></tr>
<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-indices_fn_letter-A">A</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="#index-another-fun"><code>another
fun</code></a>:</td><td>&nbsp;  </td><td valign="top"><a href="#Copying-and-indices">Copying and
indices</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
<tr><th><a name="Copying-and-indices_fn_letter-F">F</a></th><td></td><td></td></tr>
<tr><td></td><td valign="top"><a href="index.html#index-findex-entry"><code>findex
entry</code></a>:</td><td>&nbsp;  </td><td valign="top"><a href="index.html#Top">Top</a></td></tr>
<tr><td></td><td valign="top"><a href="index.html#index-
fun"><code>fun</code></a>:</td><td>&nbsp;  </td><td valign="top"><a
href="index.html#Top">Top</a></td></tr>
<tr><td colspan="4"> <hr></td></tr>
</table>
```

```
<table><tr><th valign="top">Jump to: &nbsp;  </th><td><a class="summary-letter" href="#Copying-and-indices_fn_letter-A"><b>A</b></a>
&nbsp;  </td></tr></table>
&nbsp;  <a class="summary-letter" href="#Copying-and-indices_fn_letter-F"><b>F</b></a>
&nbsp;  </td></tr></table>
```

```
<a name="SEC_Contents"></a>
<h2 class="contents-heading">Table of Contents</h2>
```

```
<div class="contents">
```

```
<ul class="no-bullet">
<li><a name="toc-Chapter" href="index.html#Chapter">1 Chapter</a></li>
<li><a name="toc-Copying-and-indices-1" href="#Copying-and-indices">Appendix A Copying and
indices</a></li>
</ul>
</div>
```

```
<div class="footnote">
<hr>
<h4 class="footnotes-heading">Footnotes</h4>
```

```
<h3><a name="FOOT1_2" href="#DOCF1_2">(2)</a></h3>
<a name="Public-domain-reference"></a><p>The public
domain is something you should allready know
```

```
</p>
<a name="index-copying-Public-domain"></a>
</div>
<hr>
<div class="header">
<p>
Previous: <a href="index.html#Top" accesskey="p" rel="prev">Top</a>, Up: <a href="index.html#Top"
accesskey="u" rel="up">Top</a> &nbsp; &nbsp; <a href="#SEC_Contents" title="Table of contents"
rel="contents">Contents</a>][<a href="index.html#Top" title="Index" rel="index">Index</a>]</p>
</div>
```

```
</body>
</html>
<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html>
<!--
```

Copyright notice, public domain

Public domain is not really a licence, as it means than  
the author abandon his copyright.

```
-->
```

```
<!-- Created by texinfo, http://www.gnu.org/software/texinfo/ -->
```

```
<!-- This file redirects to the location of a node or anchor -->
```

```
<head>
```

```
<meta http-equiv="Content-Type" content="text/html; charset=utf-8">
```

```
<title>caption copying footnote anchor (Top)</title>
```

```
<meta name="description" content="caption copying footnote anchor (Top)">
```

```
<meta name="keywords" content="caption copying footnote anchor (Top)">
```

```
<meta name="resource-type" content="document">
```

```
<meta name="distribution" content="global">
```

```
<meta name="Generator" content="texi2any">
```

```
<style type="text/css">
```

```
<!--
```

```
a.summary-letter {text-decoration: none}
```

```
blockquote.indentedblock {margin-right: 0em}
```

```
blockquote.smallindentedblock {margin-right: 0em; font-size: smaller}
```

```
blockquote.smallquotation {font-size: smaller}
```

```
div.display {margin-left: 3.2em}
```

```
div.example {margin-left: 3.2em}
```

```
div.lisp {margin-left: 3.2em}
```

```
div.smalldisplay {margin-left: 3.2em}
```

```
div.smallexample {margin-left: 3.2em}
```

```
div.smalllisp {margin-left: 3.2em}
```

```
kbd {font-style: oblique}
```



```

pre.display {font-family: inherit}
pre.format {font-family: inherit}
pre.menu-comment {font-family: serif}
pre.menu-preformatted {font-family: serif}
pre.smalldisplay {font-family: inherit; font-size: smaller}
pre.smallexample {font-size: smaller}
pre.smallformat {font-family: inherit; font-size: smaller}
pre.smalllisp {font-size: smaller}
span.nolinebreak {white-space: nowrap}
span.roman {font-family: initial; font-weight: normal}
span.sansserif {font-family: sans-serif; font-weight: normal}
ul.no-bullet {list-style: none}
-->
</style>

```

```

<meta http-equiv="Refresh" content="0; url=float_copying_fot.html#caption-copying-footnote-anchor">

```

```

</head>

```

```

<body lang="en">

```

```

<p>The node you are looking for is at <a href="float_copying_fot.html#caption-copying-footnote-anchor">caption
copying footnote anchor</a>.</p>

```

```

</body>

```

```

<!DOCTYPE html PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"

```

```

"http://www.w3.org/TR/html4/loose.dtd">

```

```

<html>

```

```

<!--

```

```

This is a test manual, trivially and explicitly in the public
domain.

```

```

-->

```

```

<!-- Created by texinfo, http://www.gnu.org/software/texinfo/ -->

```

```

<head>

```

```

<meta http-equiv="Content-Type" content="text/html; charset=utf-8">

```

```

<title>Appendix A Copying and indices (Top)</title>

```

```

<meta name="description" content="Appendix A Copying and indices (Top)">

```

```

<meta name="keywords" content="Appendix A Copying and indices (Top)">

```

```

<meta name="resource-type" content="document">

```

```

<meta name="distribution" content="global">

```

```

<meta name="Generator" content="texi2any">

```

```

<style type="text/css">

```

```

<!--

```

```

a.summary-letter {text-decoration: none}

```

```

blockquote.indentedblock {margin-right: 0em}

```

```

blockquote.smallindentedblock {margin-right: 0em; font-size: smaller}

```

```

blockquote.smallquotation {font-size: smaller}
div.display {margin-left: 3.2em}
div.example {margin-left: 3.2em}
div.lisp {margin-left: 3.2em}
div.smalldisplay {margin-left: 3.2em}
div.smallexample {margin-left: 3.2em}
div.smalllisp {margin-left: 3.2em}
kbd {font-style: oblique}
pre.display {font-family: inherit}
pre.format {font-family: inherit}
pre.menu-comment {font-family: serif}
pre.menu-preformatted {font-family: serif}
pre.smalldisplay {font-family: inherit; font-size: smaller}
pre.smallexample {font-size: smaller}
pre.smallformat {font-family: inherit; font-size: smaller}
pre.smalllisp {font-size: smaller}
span.nolinebreak {white-space: nowrap}
span.roman {font-family: initial; font-weight: normal}
span.sansserif {font-family: sans-serif; font-weight: normal}
ul.no-bullet {list-style: none}
-->
</style>

```

```
</head>
```

```

<body lang="en">
<a name="Copying-and-indices"></a>
<table class="header" cellpadding="1" cellspacing="1" border="0">
<tr><td valign="middle" align="left"><a href="Chapter.html#Chapter" title="Beginning of this chapter or previous
chapter"> &lt;&lt; </a></td>
<td valign="middle" align="left"><a href="Chapter.html#Chapter" title="Previous section in reading order"> &lt;
</a></td>
<td valign="middle" align="left"><a href="index.html#Top" title="Up section"> Up </a></td>
<td valign="middle" align="left">[ &gt; ]</td>
<td valign="middle" align="left">[ &gt;&gt; ]</td>
<td valign="middle" align="left"> &nbsp;</td>
<td valign="middle" align="left"> &nbsp;</td>
<td valign="middle" align="left"> &nbsp;</td>
<td valign="middle" align="left"> &nbsp;</td>
<td valign="middle" align="left"><a href="index.html#Top" title="Cover (top) of document">Top</a></td>
<td valign="middle" align="left"><a href="index_special_region_no_region_toc.html#SEC_Contents" title="Table
of contents">Contents</a></td>
<td valign="middle" align="left">[Index]</td>
<td valign="middle" align="left"><a href="index_special_region_no_region_abt.html#SEC_About" title="About
(help)"> ? </a></td>
</tr></table>
<a name="Copying-and-indices-1"></a>

```

# Appendix A Copying and indices

In the appendix, we print the indices and references.

[index-another-fun](#)

[index-Copying-appendix](#)

[index.html#Copying-information](#) Copying information for the copying information.

[index\\_special\\_region\\_no\\_region\\_fot.html#Public-domain-reference](#) Public domain reference for reference on the licence.

[index.html#Titlepage-anchor](#) Titlepage anchor for the titlepage.

[index\\_special\\_region\\_no\\_region\\_fot.html#Titlepage-footnote-anchor](#) Titlepage footnote anchor for reference on the titlepage.

Jump to: &nbsp;	<a href="#">#Copying-and-indices-1_cp_letter-C</a> <b>C</b>
-----------------	---

&nbsp;

[#Copying-and-indices-1\\_cp\\_letter-P](#) **P**

&nbsp;

[#Copying-and-indices-1\\_cp\\_letter-T](#) **T**

&nbsp;

--	--	--	--

Index Entry	&nbsp;	Section
-------------	--------	---------

<hr/>			
-------	--	--	--

<a href="#">#Copying-and-indices-1_cp_letter-C</a> C			
--	--	--	--

	<a href="#">#index-Copying-appendix</a> Copying appendix	&nbsp;	<a href="#">#Copying-and-indices</a> Appendix A Copying and indices
--	--	--------	---

	<a href="#">index.html#index-copying-Copying-this-document</a> Copying this document	&nbsp;	<a href="#">index.html#Top</a> Top
--	--	--------	------------------------------------

<hr/>			
-------	--	--	--

<a href="#">#Copying-and-indices-1_cp_letter-P</a> P			
--	--	--	--

	<a href="#">index_special_region_no_region_fot.html#index-copying-Public-domain</a> Public domain	&nbsp;	<a href="#">index.html#Top</a> Top
--	---	--------	------------------------------------

<hr/>			
-------	--	--	--

--	--	--	--

<a href="#">#Copying-and-indices-1_cp_letter-T</a> T			
--	--	--	--

	<a href="#">index_special_region_no_region_fot.html#index-titlepage-Titlepage-footnote</a> Titlepage footnote	&nbsp;	<a href="#">index.html#Top</a> Top
--	---	--------	------------------------------------

<hr/>			
-------	--	--	--

	<a href="#">index.html#index-titlepage-Titlepage-index</a> Titlepage index	&nbsp;	<a href="#">index.html#Top</a> Top
--	--	--------	------------------------------------

	&nbsp;	<a href="#">index.html#Top</a> Top	
--	--------	------------------------------------	--

<hr/>			
-------	--	--	--



```
<td valign="middle" align="left">[<a href="index.html#Top" title="Cover (top) of document">Top</a>]</td>
<td valign="middle" align="left">[<a href="index_special_region_no_region_toc.html#SEC_Contents" title="Table
of contents">Contents</a>]</td>
<td valign="middle" align="left">[Index]</td>
<td valign="middle" align="left">[<a href="index_special_region_no_region_abt.html#SEC_About" title="About
(help)"> ? </a>]</td>
</tr></table>
```

```
<p><font size="-1">
```

```
  This document was generated on <em>a sunny day</em> using <a
href="http://www.gnu.org/software/texinfo/"><em>texi2any</em></a>.
</font></p>
```

```
</body>
```

```
</html>
```

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Version 3, 29 June 2007

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b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

c) Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

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```
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"http://www.w3.org/TR/html4/loose.dtd">
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<html>
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<!--
```

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pre.smallexample {font-size: smaller}
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<p>In the appendix, we print the indices and references.
</p>
<a name="index-another-fun"></a>

<a name="index-Copying-appendix"></a>

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[Copying information](Chapter.html#Copying-information) for the copying information.  
[Public domain reference](index_special_region_fot.html#Public-domain-reference) for reference on the licence.

[Titlepage anchor](index.html#Titlepage-anchor) for the titlepage.  
[Titlepage footnote anchor](index_special_region_fot.html#Titlepage-footnote-anchor) for reference on the titlepage.

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Jump to: &nbsp;	<a href="#Copying-and-indices-1_cp_letter-C"><b>C</b></a>
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[\*\*P\*\*](#Copying-and-indices-1_cp_letter-P)

&nbsp;

[\*\*T\*\*](#Copying-and-indices-1_cp_letter-T)

&nbsp;

	Index Entry	&nbsp;	Section
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	<a href="#">Copying</a>		
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	&nbsp;	<a href="#">Appendix A Copying and indices</a>	
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<p><font size="-1">
This document was generated on <em>a sunny day</em> using <a
href="http://www.gnu.org/software/texinfo/"><em>texi2any</em></a>.

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</html>

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```
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```

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```
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'Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice
```

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## 1.676 ubuntu-keyring 2018.09.18.1~18.04.0

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## 1.677 fonts-ubuntu 0.83-2

### 1.677.1 Available under license :

-----  
UBUNTU FONT LICENCE Version 1.0  
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Ubuntu Font Family Licensing FAQ

#### Stylistic Foundations

The Ubuntu Font Family is the first time that a libre typeface has been designed professionally and explicitly with the intent of developing a public and long-term community-based development process.

When developing an open project, it is generally necessary to have firm foundations: a font needs to maintain harmony within itself even across many type designers and writing systems. For the [1]Ubuntu Font Family, the process has been guided with the type foundry Dalton Maag setting the project up with firm stylistic foundation covering several left-to-right scripts: Latin, Greek and Cyrillic; and right-to-left scripts: Arabic and Hebrew (due in 2011).

With this starting point the community will, under the supervision of [2]Canonical and [3]Dalton Maag, be able to build on the existing font sources to expand their character coverage. Ultimately everybody will be able to use the Ubuntu Font Family in their own written languages across the whole of Unicode (and this will take some time!).

## Licensing

The licence chosen by any free software project is one of the foundational decisions that sets out how derivatives and contributions can occur, and in turn what kind of community will form around the project.

Using a licence that is compatible with other popular licences is a powerful constraint because of the [4]network effects: the freedom to share improvements between projects allows free software to reach high-quality over time. Licence-proliferation leads to many incompatible licences, undermining the network effect, the freedom to share and ultimately making the libre movement that Ubuntu is a part of less effective. For all kinds of software, writing a new licence is not to be taken lightly and is a choice that needs to be thoroughly justified if this path is taken.

Today it is not clear to Canonical what the best licence for a font project like the Ubuntu Font Family is: one that starts life designed by professionals and continues with the full range of community development, from highly commercial work in new directions to curious beginners' experimental contributions. The fast and steady pace of the Ubuntu release cycle means that an interim libre licence has been necessary to enable the consideration of the font family as part of Ubuntu 10.10 operating system release.

Before taking any decision on licensing, Canonical as sponsor and backer of the project has reviewed the many existing licenses used for libre/open fonts and engaged the stewards of the most popular licenses in detailed discussions. The current interim licence is the first step in progressing the state-of-the-art in licensing for libre/open font development.

The public discussion must now involve everyone in the (comparatively new) area of the libre/open font community; including font users, software freedom advocates, open source supporters and existing libre font developers. Most importantly, the minds and wishes of professional type designers considering entering the free software business community must be taken on board.

Conversations and discussion has taken place, privately, with individuals from the following groups (generally speaking personally on

behalf of themselves, rather than their affiliations):

- \* [5]SIL International
- \* [6]Open Font Library
- \* [7]Software Freedom Law Center
- \* [8]Google Font API

#### Document embedding

One issue highlighted early on in the survey of existing font licences is that of document embedding. Almost all font licences, both free and unfree, permit embedding a font into a document to a certain degree. Embedding a font with other works that make up a document creates a "combined work" and copyleft would normally require the whole document to be distributed under the terms of the font licence. As beautiful as the font might be, such a licence makes a font too restrictive for useful general purpose digital publishing.

The situation is not entirely unique to fonts and is encountered also with tools such as GNU Bison: a vanilla GNU GPL licence would require anything generated with Bison to be made available under the terms of the GPL as well. To avoid this, Bison is [9]published with an additional permission to the GPL which allows the output of Bison to be made available under any licence.

The conflict between licensing of fonts and licensing of documents, is addressed in two popular libre font licences, the SIL OFL and GNU GPL:

- \* [10]SIL Open Font Licence: When OFL fonts are embedded in a document, the OFL's terms do not apply to that document. (See [11]OFL-FAQ for details.
- \* [12]GPL Font Exception: The situation is resolved by granting an additional permission to allow documents to not be covered by the GPL. (The exception is being reviewed).

The Ubuntu Font Family must also resolve this conflict, ensuring that if the font is embedded and then extracted it is once again clearly under the terms of its libre licence.

#### Long-term licensing

Those individuals involved, especially from Ubuntu and Canonical, are interested in finding a long-term libre licence that finds broad favour across the whole libre/open font community. The deliberation during the past months has been on how to licence the Ubuntu Font Family in the short-term, while knowingly encouraging everyone to pursue a long-term goal.

- \* [13]Copyright assignment will be required so that the Ubuntu Font Family's licensing can be progressively expanded to one (or more) licences, as best practice continues to evolve within the

libre/open font community.

\* Canonical will support and fund legal work on libre font licensing.

It is recognised that the cost and time commitments required are likely to be significant. We invite other capable parties to join in supporting this activity.

The GPL version 3 (GPLv3) will be used for Ubuntu Font Family build scripts and the CC-BY-SA for associated documentation and non-font content: all items which do not end up embedded in general works and documents.

## Ubuntu Font Licence

For the short-term only, the initial licence is the [14]Ubuntu Font License (UFL). This is loosely inspired from the work on the SIL OFL 1.1, and seeks to clarify the issues that arose during discussions and legal review, from the perspective of the backers, Canonical Ltd. Those already using established licensing models such as the GPL, OFL or Creative Commons licensing should have no worries about continuing to use them. The Ubuntu Font Licence (UFL) and the SIL Open Font Licence (SIL OFL) are not identical and should not be confused with each other. Please read the terms precisely. The UFL is only intended as an interim license, and the overriding aim is to support the creation of a more suitable and generic libre font licence. As soon as such a licence is developed, the Ubuntu Font Family will migrate to it made possible by copyright assignment in the interim. Between the OFL 1.1, and the UFL 1.0, the following changes are made to produce the Ubuntu Font Licence:

\* Clarification:

1. Document embedding (see [15]embedding section above).
2. Apply at point of distribution, instead of receipt
3. Author vs. copyright holder disambiguation (type designers are authors, with the copyright holder normally being the funder)
4. Define "Propagate" (for internationalisation, similar to the GPLv3)
5. Define "Substantially Changed"
6. Trademarks are explicitly not transferred
7. Refine renaming requirement

Streamlining:

8. Remove "not to be sold separately" clause
9. Remove "Reserved Font Name(s)" declaration

A visual demonstration of how these points were implemented can be found in the accompanying coloured diff between SIL OFL 1.1 and the Ubuntu Font Licence 1.0: [16]ofl-1.1-uf1-1.0.diff.html

## References

1. <http://font.ubuntu.com/>
  2. <http://www.canonical.com/>
  3. <http://www.daltonmaag.com/>
  4. [http://en.wikipedia.org/wiki/Network\\_effect](http://en.wikipedia.org/wiki/Network_effect)
  5. <http://scripts.sil.org/>
  6. <http://openfontlibrary.org/>
  7. <http://www.softwarefreedom.org/>
  8. <http://code.google.com/webfonts>
  9. <http://www.gnu.org/licenses/gpl-faq.html#CanIUseGPLToolsForNF>
  10. [http://scripts.sil.org/OFL\\_web](http://scripts.sil.org/OFL_web)
  11. [http://scripts.sil.org/OFL-FAQ\\_web](http://scripts.sil.org/OFL-FAQ_web)
  12. <http://www.gnu.org/licenses/gpl-faq.html#FontException>
  13. <https://launchpad.net/~uff-contributors>
  14. <http://font.ubuntu.com/ufl/ubuntu-font-licence-1.0.txt>
  15. <http://font.ubuntu.com/ufl/FAQ.html#embedding>
  16. <http://font.ubuntu.com/ufl/ofl-1.1-ufl-1.0.diff.html>
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# 1.678 ubuntu-advantage-tools 17

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Mark Lord (mlord@pobox.com)

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## 1.687 linux-meta 4.15.0.72.74

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## 1.688 python-idna 2.6-1

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Introduction

=====  
PLY is a 100% Python implementation of the common parsing tools lex and yacc. Here are a few highlights:

- PLY is very closely modeled after traditional lex/yacc.  
If you know how to use these tools in C, you will find PLY to be similar.
- PLY provides *very* extensive error reporting and diagnostic information to assist in parser construction. The original implementation was developed for instructional purposes. As a result, the system tries to identify the most common types of errors made by novice users.
- PLY provides full support for empty productions, error recovery, precedence specifiers, and moderately ambiguous grammars.
- Parsing is based on LR-parsing which is fast, memory efficient, better suited to large grammars, and which has a number of nice properties when dealing with syntax errors and other parsing problems. Currently, PLY builds its parsing tables using the LALR(1) algorithm used in yacc.
- PLY uses Python introspection features to build lexers and parsers. This greatly simplifies the task of parser construction since it reduces the number of files and eliminates the need to run a separate lex/yacc tool before running your program.
- PLY can be used to build parsers for "real" programming languages. Although it is not ultra-fast due to its Python implementation, PLY can be used to parse grammars consisting of several hundred rules (as might be found for a language like C). The lexer and LR parser are also reasonably efficient when parsing typically sized programs. People have used PLY to build parsers for C, C++, ADA, and other real programming languages.

#### How to Use

=====

PLY consists of two files : lex.py and yacc.py. These are contained within the 'ply' directory which may also be used as a Python package. To use PLY, simply copy the 'ply' directory to your project and import lex and yacc from the associated 'ply' package. For example:

```
import ply.lex as lex
import ply.yacc as yacc
```



Alternatively, you can copy just the files `lex.py` and `yacc.py` individually and use them as modules. For example:

```
import lex
import yacc
```

The file `setup.py` can be used to install `ply` using `distutils`.

The file `doc/ply.html` contains complete documentation on how to use the system.

The example directory contains several different examples including a PLY specification for ANSI C as given in K&R 2nd Ed.

A simple example is found at the end of this document

#### Requirements

=====

PLY requires the use of Python 2.6 or greater. However, you should use the latest Python release if possible. It should work on just about any platform. PLY has been tested with both CPython and Jython. It also seems to work with IronPython.

#### Resources

=====

More information about PLY can be obtained on the PLY webpage at:

<http://www.dabeaz.com/ply>

For a detailed overview of parsing theory, consult the excellent book "Compilers : Principles, Techniques, and Tools" by Aho, Sethi, and Ullman. The topics found in "Lex & Yacc" by Levine, Mason, and Brown may also be useful.

The GitHub page for PLY can be found at:

<https://github.com/dabeaz/ply>

An old and relatively inactive discussion group for PLY is found at:

<http://groups.google.com/group/ply-hack>

#### Acknowledgments

=====

A special thanks is in order for all of the students in CS326 who suffered through about 25 different versions of these tools :-).

The CHANGES file acknowledges those who have contributed patches.

Elias Ioup did the first implementation of LALR(1) parsing in PLY-1.x. Andrew Waters and Markus Schoepflin were instrumental in reporting bugs and testing a revised LALR(1) implementation for PLY-2.0.

#### Special Note for PLY-3.0

=====

PLY-3.0 the first PLY release to support Python 3. However, backwards compatibility with Python 2.6 is still preserved. PLY provides dual Python 2/3 compatibility by restricting its implementation to a common subset of basic language features. You should not convert PLY using 2to3--it is not necessary and may in fact break the implementation.

#### Example

=====

Here is a simple example showing a PLY implementation of a calculator with variables.

```
# -----
# calc.py
#
# A simple calculator with variables.
# -----

tokens = (
    'NAME','NUMBER',
    'PLUS','MINUS','TIMES','DIVIDE','EQUALS',
    'LPAREN','RPAREN',
)

# Tokens

t_PLUS = r\+'
t_MINUS = r\-'
t_TIMES = r\*'
t_DIVIDE = r\/'
t_EQUALS = r\='
t_LPAREN = r\( '
t_RPAREN = r\) '
t_NAME = r'[a-zA-Z][a-zA-Z0-9_]*'

def t_NUMBER(t):
    r\d+'
    t.value = int(t.value)
    return t

# Ignored characters
```

```

t_ignore = " \t"

def t_newline(t):
    r'\n+'
    t.lexer.lineno += t.value.count("\n")

def t_error(t):
    print("Illegal character '%s'" % t.value[0])
    t.lexer.skip(1)

# Build the lexer
import ply.lex as lex
lex.lex()

# Precedence rules for the arithmetic operators
precedence = (
    ('left', 'PLUS', 'MINUS'),
    ('left', 'TIMES', 'DIVIDE'),
    ('right', 'UMINUS'),
)

# dictionary of names (for storing variables)
names = { }

def p_statement_assign(p):
    'statement : NAME EQUALS expression'
    names[p[1]] = p[3]

def p_statement_expr(p):
    'statement : expression'
    print(p[1])

def p_expression_binop(p):
    """expression : expression PLUS expression
                  | expression MINUS expression
                  | expression TIMES expression
                  | expression DIVIDE expression"""
    if p[2] == '+': p[0] = p[1] + p[3]
    elif p[2] == '-': p[0] = p[1] - p[3]
    elif p[2] == '*': p[0] = p[1] * p[3]
    elif p[2] == '/': p[0] = p[1] / p[3]

def p_expression_uminus(p):
    'expression : MINUS expression %prec UMINUS'
    p[0] = -p[2]

def p_expression_group(p):
    'expression : LPAREN expression RPAREN'

```

```

    p[0] = p[2]

def p_expression_number(p):
    'expression : NUMBER'
    p[0] = p[1]

def p_expression_name(p):
    'expression : NAME'
    try:
        p[0] = names[p[1]]
    except LookupError:
        print("Undefined name '%s'" % p[1])
        p[0] = 0

def p_error(p):
    print("Syntax error at '%s'" % p.value)

import ply.yacc as yacc
yacc.yacc()

while True:
    try:
        s = raw_input('calc > ') # use input() on Python 3
    except EOFError:
        break
    yacc.parse(s)

```

## Bug Reports and Patches

=====

My goal with PLY is to simply have a decent lex/yacc implementation for Python. As a general rule, I don't spend huge amounts of time working on it unless I receive very specific bug reports and/or patches to fix problems. I also try to incorporate submitted feature requests and enhancements into each new version. Please visit the PLY github page at <https://github.com/dabeaz/ply> to submit issues and pull requests. To contact me about bugs and/or new features, please send email to [dave@dabeaz.com](mailto:dave@dabeaz.com).

-- Dave

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1016069490\_1591898408.95/0/ply-3-11-orig-tar-gz/ply-3.11/README.md

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Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1016069490\_1591898408.95/0/ply-3-11-orig-tar-gz/ply-3.11/PKG-INFO  
\* /opt/ws\_local/PERMITS\_SQL/1016069490\_1591898408.95/0/ply-3-11-orig-tar-gz/ply-3.11/ply.egg-info/PKG-INFO

# 1.693 iucode-tool 2.3.1-1

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```
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# 1.701 python-stdlib-extensions 3.6.9-1~18.04

## 1.701.1 Available under license :

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\* /opt/ws\_local/PERMITS\_SQL/1016069485\_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/fixes/fix\_dict.py

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bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/fixes/fix\_standarderror.py  
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```
file.write('License: %s\n' % self.get_license())
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```
# version.
```

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* /opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-  
bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/distutils/spawn.py
```

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```
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```

```
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```

```
# A grammar to describe tree matching patterns.
```

```
# Not shown here:
```

```
# - 'TOKEN' stands for any token (leaf node)
```

```
# - 'any' stands for any node (leaf or interior)
```

```
# With 'any' we can still specify the sub-structure.
```

```
# The start symbol is 'Matcher'.
```

```
Matcher: Alternatives ENDMARKER
```

```
Alternatives: Alternative ('| Alternative)*
```

```
Alternative: (Unit | NegatedUnit)+
```

```
Unit: [NAME '='] ( STRING [Repeater]
```

```
    | NAME [Details] [Repeater]
```

```
    | '(' Alternatives ')' [Repeater]
```

```
    | '[' Alternatives ']'
```

```
)
```

```
NegatedUnit: 'not' (STRING | NAME [Details] | '(' Alternatives ')')
```

```
Repeater: '*' | '+' | '{' NUMBER [',' NUMBER] '}'
```

```
Details: '<' Alternatives '>'
```

```
Found in path(s):
```

```
* /opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-  
bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/PatternGrammar.txt
```

```
* /opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-  
bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/PatternGrammar.txt
```

```
* /opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-  
bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/PatternGrammar.txt
```

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

```
('binary-only', None,
```

```
"cannot supply both '--source-only' and '--binary-only'")
```

```
'License: ' + self.distribution.get_license(),
```

```
Found in path(s):
```

```
* /opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-
```

```
bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/distutils/command/bdist_rpm.py
* /opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-
bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/distutils/command/bdist_rpm.py
* /opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-
bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/distutils/command/bdist_rpm.py
No license file was found, but licenses were detected in source scan.
```

```
# All rights reserved.
```

```
Found in path(s):
```

```
* /opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-
bz2/python3-stdlib-extensions-3.7.5/3.7/Lib/lib2to3/pgen2/tokenize.py
* /opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-
bz2/python3-stdlib-extensions-3.7.5/3.8/Lib/lib2to3/pgen2/tokenize.py
* /opt/ws_local/PERMITS_SQL/1016069485_1591897890.69/0/python3-stdlib-extensions-3-6-9-orig-tar-
bz2/python3-stdlib-extensions-3.7.5/3.6/Lib/lib2to3/pgen2/tokenize.py
```

# 1.702 libuv 1.18.0-3

## 1.702.1 Available under license :

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```
#ifndef UV_BSD_H
#define UV_BSD_H

#define UV_PLATFORM_FS_EVENT_FIELDS \
uv__io_t event_watcher; \

#define UV_IO_PRIVATE_PLATFORM_FIELDS \
int rcount; \
int wcount; \

#define UV_HAVE_KQUEUE 1

#endif /* UV_BSD_H */
```

Files: \*  
=====

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Files: getopt.c  
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```
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{ int var; var = SIGSEGV; { body } var = SIGBUS; { body } }  
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Version 2, June 1991
```

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```
#define SIGSEGV_FAULT_HANDLER_ARGLIST int sig, int code, void *scp, void *addr  
#define SIGSEGV_FAULT_ADDRESS addr
```

# 1.705 libdumbnet 1.12-7build1

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# 1.712 pcre 8.39-9

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THE BASIC LIBRARY FUNCTIONS

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Written by: Philip Hazel  
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## 1.714 libusb 1.0.21-2

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include/bsd/vis.h  
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man/errc.3bsd  
man/explicit\_bzero.3bsd  
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man/humanize\_number.3bsd  
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src/humanize\_number.c  
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man/closefrom.3bsd  
man/expand\_number.3bsd  
man/flopen.3bsd  
man/getpeereid.3bsd  
man/pidfile.3bsd  
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src/fparsefn.c

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man/strtonum.3bsd  
src/arc4random.c  
src/arc4random\_openbsd.h  
src/arc4random\_uniform.c  
src/arc4random\_unix.h  
src/closefrom.c  
src/getentropy\_aix.c  
src/getentropy\_bsd.c  
src/getentropy\_hpux.c  
src/getentropy\_hurd.c  
src/getentropy\_linux.c  
src/getentropy\_osx.c  
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src/hash/md5.c

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## 3.20191021.1+really3.20181128.1~ubuntu0.18.

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The file `src/libs/snprintf/snprintf.c', written by Mark Martinec  
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from

<http://www.ijs.si/software/snprintf/> .

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and David Slattengren <slatteng@Xinet.COM>. These files have been part  
of the original Berkeley ditroff distribution, without AT&T code, and  
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The original package can be found at  
<http://ftp.cs.wisc.edu/pub/misc/grn.tar.Z> .

src/preproc/grn/gprint.h  
src/preproc/grn/hdb.cpp  
src/preproc/grn/hgraph.cpp  
src/preproc/grn/hpoint.cpp  
src/preproc/grn/main.cpp

The `gxditview' output device. It is based on X11's `xditview' program  
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src/devices/xditview/DESC.in  
src/devices/xditview/Dvi.c  
src/devices/xditview/Dvi.h  
src/devices/xditview/DviP.h  
src/devices/xditview/FontMap  
src/devices/xditview/GXditview.ad  
src/devices/xditview/Menu.h  
src/devices/xditview/ad2c  
src/devices/xditview/device.c  
src/devices/xditview/device.h  
src/devices/xditview/draw.c  
src/devices/xditview/font.c  
src/devices/xditview/gray1.bm  
src/devices/xditview/gray2.bm  
src/devices/xditview/gray3.bm  
src/devices/xditview/gray4.bm  
src/devices/xditview/gray5.bm  
src/devices/xditview/gray6.bm  
src/devices/xditview/gray7.bm

src/devices/xditview/gray8.bm  
src/devices/xditview/gxditview.man  
src/devices/xditview/lex.c  
src/devices/xditview/page.c  
src/devices/xditview/parse.c  
src/devices/xditview/xdit.bm  
src/devices/xditview/xdit\_mask.bm  
src/devices/xditview/xditview.c

src/include/DviChar.h  
src/include/XFontName.h

src/libs/libxutil/DviChar.c  
src/libs/libxutil/XFontName.c

## Macro Packages

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. The -mdoc macro set, using the BSD license.

tmac/doc.tmac  
tmac/doc-old.tmac  
tmac/doc-common  
tmac/doc-ditroff  
tmac/doc-nroff  
tmac/doc-syms  
tmac/groff\_mdoc.man

. The -me macro set, using the BSD license.

tmac/e.tmac  
tmac/groff\_me.man  
doc/meintro.me  
doc/meintro\_fr.me  
doc/meref.me

## Hyphenation Patterns

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. The file `tmac/hyphen.us' is identical to the file `hyphen.tex', part of the TeX system written by Donald E. Knuth; the master file can be found at

<ftp://labrea.stanford.edu/pub/tex/dist/lib/hyphen.tex> .

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. The files ``tmac/hyphen.det'` and ``tmac/hyphen.den'` contain the same patterns as the files ``dehyphn.tex'` and ``dehypht.tex'` (for TeX), which can be found at

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. The file ``tmac/hyphenex.det'` is identical to the file ``dehyphtex.tex'`, which can be found at

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. The file ``tmac/hyphen.cs'` contains the same patterns as the file ``czhyphen.tex'` (for TeX), which can be found in the archive

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```
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```

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```
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```

<signature of Ty Coon>, 1 April 1989

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```

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## 1.727 e2fsprogs 1.44.1-1ubuntu1.2

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\*/

Index: tdbsa/tdb.c

=====

--- tdbsa.orig/tdb.c

+++ tdbsa/tdb.c

@@ -4,11 +4,11 @@ Rev: 23371

Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)

\*/

/\*

- Unix SMB/CIFS implementation.
- + trivial database library - standalone version
  
- trivial database library - private includes
- 
- Copyright (C) Andrew Tridgell           2005
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This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from <http://sourceforge.net/projects/e2fsprogs>

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This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

<http://sourceforge.net/projects/e2fsprogs>

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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#

# This is a Makefile stub which handles the creation of BSD shared  
# libraries.

#

# In order to use this stub, the following makefile variables must be defined.

#

# BSDLIB\_VERSION = 1.0

# BSDLIB\_IMAGE = libce

# BSDLIB\_MYDIR = et

# BSDLIB\_INSTALL\_DIR = \$(SHLIBDIR)

#

all:: image

real-subdirs:: Makefile

@echo " MKDIR pic"

@mkdir -p pic

BSD\_LIB = \$(BSDLIB\_IMAGE).so.\$(BSDLIB\_VERSION)

BSDLIB\_PIC\_FLAG = -fpic

image: \$(BSD\_LIB)

```
$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LD_FLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \
`echo $(my_dir) | sed -e 's/lib/;"/$(BSD_LIB) $(BSD_LIB))
```

```
install-shlibs install:: $(BSD_LIB)
@echo " INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \
$(DESTDIR)$ (BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LD_CONFIG)
```

install-strip: install

install-shlibs-strip: install-shlibs

```
uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$ (BSDLIB_INSTALL_DIR)/$(BSD_LIB)
```

```
clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
```

This is the Debian GNU/Linux prepackaged version of the `ss` command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:  
[tsx-11.mit.edu/pub/linux/packages/ext2fs/](http://tsx-11.mit.edu/pub/linux/packages/ext2fs/)

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Theodore Ts'o  
23-June-2007

-----  
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```

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```
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`Gnomovision' (which makes passes at compilers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

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<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:  
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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## 1.728 libfastjson 0.99.8-2

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## 1.729 nano 2.9.3-2

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#### 1. Source Code.

The "source code" for a work means the preferred form of the work for making modifications to it. "Object code" means any non-source form of a work.

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#### END OF TERMS AND CONDITIONS

#### Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest possible use to humanity, the best way to achieve this is to make it free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

```
<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) 19yy <name of author>
```

```
This program is free software; you can redistribute it and/or modify  
it under the terms of the GNU General Public License as published by  
the Free Software Foundation; either version 1, or (at your option)  
any later version.
```

```
This program 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 General Public License for more details.
```

```
You should have received a copy of the GNU General Public License  
along with this program; if not, write to the Free Software  
Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston MA 02110-1301 USA
```



Also add information on how to contact you by electronic and paper mail.

If the program is interactive, make it output a short notice like this when it starts in an interactive mode:

```
Gnomovision version 69, Copyright (C) 19xx name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type 'show w'.
This is free software, and you are welcome to redistribute it
under certain conditions; type 'show c' for details.
```

The hypothetical commands 'show w' and 'show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than 'show w' and 'show c'; they could even be mouse-clicks or menu items--whatever suits your program.

You should also get your employer (if you work as a programmer) or your school, if any, to sign a "copyright disclaimer" for the program, if necessary. Here a sample; alter the names:

```
Yoyodyne, Inc., hereby disclaims all copyright interest in the
program 'Gnomovision' (a program to direct compilers to make passes
at assemblers) written by James Hacker.
```

```
<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice
```

That's all there is to it!

## 1.732 python-debian 0.1.32

### 1.732.1 Available under license :

```
# vim: fileencoding=utf-8
#
# Copyright (C) 2014    Google, Inc.
#
# This program is free software; you can redistribute it and/or
# modify it under the terms of the GNU General Public License
# as published by the Free Software Foundation, either version 2
# of the License, or (at your option) any later version.
#
# This program 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 General Public License for more details.
```

```
#
# You should have received a copy of the GNU General Public License
# along with this program; if not, write to the Free Software
# Foundation, Inc., 51 Franklin Street, Fifth Floor, Boston, MA 02110-1301, USA.
```

```
"""Utilities for parsing and creating machine-readable debian/copyright files.
```

```
The specification for the format (also known as DEP5) is available here:
https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/
```

```
Start from the Coyright docstring for usage information.
```

```
"""
```

```
from __future__ import unicode_literals
```

```
import collections
```

```
import itertools
```

```
import io
```

```
import re
```

```
import warnings
```

```
from debian import deb822
```

```
_CURRENT_FORMAT = (
    'http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/')
```

```
_KNOWN_FORMATS = frozenset([
    _CURRENT_FORMAT,
    # TODO(jsw): Transparently rewrite https:// as http://, at least for this?
    'https://www.debian.org/doc/packaging-manuals/copyright-format/1.0/',
])
```

```
class Error(Exception):
```

```
    """Base class for exceptions in this module."""
```

```
class NotMachineReadableError(Error):
```

```
    """Raised when the input is not a machine-readable debian/copyright file."""
```

```
class Copyright(object):
```

```
    """Represents a debian/copyright file.
```

```
A Copyright object contains a Header paragraph and a list of additional
Files or License paragraphs. It provides methods to iterate over those
paragraphs, in addition to adding new ones. It also provides a mechanism
```

for finding the Files paragraph (if any) that matches a particular filename.

Typical usage:

```
with io.open('debian/copyright', 'rt', encoding='utf-8') as f:
    c = copyright.Copyright(f)

    header = c.header
    # Header exposes standard fields, e.g.
    print('Upstream name: ', header.upstream_name)
    lic = header.license
    if lic:
        print('Overall license: ', lic.synopsis)
    # You can also retrieve and set custom fields.
    header['My-Special-Field'] = 'Very special'

    # Find the license for a given file.
    paragraph = c.find_files_paragraph('debian/rules')
    if paragraph:
        print('License for debian/rules: ', paragraph.license)

    # Dump the result, including changes, to another file.
    with io.open('debian/copyright.new', 'wt', encoding='utf-8') as f:
        c.dump(f=f)
```

It is possible to build up a Copyright from scratch, by modifying the header and using `add_files_paragraph` and `add_license_paragraph`. See the associated method docstrings.

```
"""
def __init__(self, sequence=None, encoding='utf-8'):
    """Initializer.

    :param sequence: Sequence of lines, e.g. a list of strings or a
        file-like object. If not specified, a blank Copyright object is
        initialized.
    :param encoding: Encoding to use, in case input is raw byte strings.
        It is recommended to use unicode objects everywhere instead, e.g.
        by opening files in text mode.

    Raises:
        NotMachineReadableError if 'sequence' does not contain a
            machine-readable debian/copyright file.
    """
    super(Copyright, self).__init__()

    self.__paragraphs = []
```

```

if sequence is not None:
    paragraphs = list(deb822.Deb822.iter_paragraphs(
        sequence=sequence, encoding=encoding))
if not paragraphs:
    raise NotMachineReadableError('no paragraphs in input')
self.__header = Header(paragraphs[0])
for i in range(1, len(paragraphs)):
    p = paragraphs[i]
    if 'Files' in p:
        p = FilesParagraph(p)
    elif 'License' in p:
        p = LicenseParagraph(p)
    else:
        warnings.warn('Non-header paragraph has neither "Files"
            ' nor "License" fields')
    self.__paragraphs.append(p)
else:
    self.__header = Header()

```

```

@property
def header(self):
    """The file header paragraph."""
    return self.__header

```

```

@header.setter
def header(self, hdr):
    if not isinstance(hdr, Header):
        raise TypeError('value must be a Header object')
    self.__header = hdr

```

```

def all_paragraphs(self):
    """Returns an iterator over all paragraphs (header, Files, License).

```

The header (returned first) will be returned as a Header object; file paragraphs as FilesParagraph objects; license paragraphs as LicenseParagraph objects.

```

"""
return itertools.chain([self.header], (p for p in self.__paragraphs))

```

```

def __iter__(self):
    """Iterate over all paragraphs

    see all_paragraphs() for more information

    """
    return self.all_paragraphs()

```

```

def all_files_paragraphs(self):
    """Returns an iterator over the contained FilesParagraph objects."""
    return (p for p in self.__paragraphs if isinstance(p, FilesParagraph))

def find_files_paragraph(self, filename):
    """Returns the FilesParagraph for the given filename.

    In accordance with the spec, this method returns the last FilesParagraph
    that matches the filename. If no paragraphs matched, returns None.
    """
    result = None
    for p in self.all_files_paragraphs():
        if p.matches(filename):
            result = p
    return result

def add_files_paragraph(self, paragraph):
    """Adds a FilesParagraph to this object.

    The paragraph is inserted directly after the last FilesParagraph (which
    might be before a standalone LicenseParagraph).
    """
    if not isinstance(paragraph, FilesParagraph):
        raise TypeError('paragraph must be a FilesParagraph instance')

    last_i = -1
    for i, p in enumerate(self.__paragraphs):
        if isinstance(p, FilesParagraph):
            last_i = i
    self.__paragraphs.insert(last_i + 1, paragraph)

def all_license_paragraphs(self):
    """Returns an iterator over standalone LicenseParagraph objects."""
    return (p for p in self.__paragraphs if isinstance(p, LicenseParagraph))

def add_license_paragraph(self, paragraph):
    """Adds a LicenceParagraph to this object.

    The paragraph is inserted after any other paragraphs.
    """
    if not isinstance(paragraph, LicenseParagraph):
        raise TypeError('paragraph must be a LicenseParagraph instance')
    self.__paragraphs.append(paragraph)

def dump(self, f=None):
    """Dumps the contents of the copyright file.

```

If `f` is `None`, returns a unicode object. Otherwise, writes the contents to `f`, which must be a file-like object that is opened in text mode (i.e. that accepts unicode objects directly). It is thus up to the caller to arrange for the file to do any appropriate encoding.

```
"""
return_string = False
if f is None:
    return_string = True
    f = io.StringIO()
self.header.dump(f, text_mode=True)
for p in self.__paragraphs:
    f.write('\n')
    p.dump(f, text_mode=True)
if return_string:
    return f.getvalue()
```

```
def _single_line(s):
    """Returns s if it is a single line; otherwise raises ValueError."""
    if '\n' in s:
        raise ValueError('must be single line')
    return s
```

```
class _LineBased(object):
    """Namespace for conversion methods for line-based lists as tuples."""
    # TODO(jsw): Expose this somewhere else? It may have more general utility.
```

```
@staticmethod
def from_str(s):
    """Returns the lines in 's', with whitespace stripped, as a tuple."""
    return tuple(v for v in
        (line.strip() for line in (s or "").strip().splitlines())
        if v)
```

```
@staticmethod
def to_str(seq):
    """Returns the sequence as a string with each element on its own line.
```

If `'seq'` has one element, the result will be on a single line.  
Otherwise, the first line will be blank.

```
"""
l = list(seq)
if not l:
    return None

def process_and_validate(s):
    s = s.strip()
```

```

    if not s:
        raise ValueError('values must not be empty')
    if '\n' in s:
        raise ValueError('values must not contain newlines')
    return s

if len(l) == 1:
    return process_and_validate(l[0])

tmp = []
for s in l:
    tmp.append(' ' + process_and_validate(s))
return '\n'.join(tmp)

class _SpaceSeparated(object):
    """Namespace for conversion methods for space-separated lists as tuples."""
    # TODO(jsw): Expose this somewhere else? It may have more general utility.

    _has_space = re.compile(r'\s')

    @staticmethod
    def from_str(s):
        """Returns the values in s as a tuple (empty if only whitespace)."""
        return tuple(v for v in (s or "").split() if v)

    @classmethod
    def to_str(cls, seq):
        """Returns the sequence as a space-separated string (None if empty)."""
        l = list(seq)
        if not l:
            return None
        tmp = []
        for s in l:
            if cls._has_space.search(s):
                raise ValueError('values must not contain whitespace')
            s = s.strip()
            if not s:
                raise ValueError('values must not be empty')
            tmp.append(s)
        return ' '.join(tmp)

# TODO(jsw): Move multiline formatting/parsing elsewhere?

def format_multiline(s):
    """Formats multiline text for insertion in a Deb822 field.
```

Each line except for the first one is prefixed with a single space. Lines that are blank or only whitespace are replaced with '.'

```
"""
if s is None:
    return None
return format_multiline_lines(s.splitlines())
```

```
def format_multiline_lines(lines):
    """Same as format_multiline, but taking input pre-split into lines."""
    out_lines = []
    for i, line in enumerate(lines):
        if i != 0:
            if not line.strip():
                line = '.'
            line = ' ' + line
        out_lines.append(line)
    return '\n'.join(out_lines)
```

```
def parse_multiline(s):
    """Inverse of format_multiline.
```

Technically it can't be a perfect inverse, since format\_multiline must replace all-whitespace lines with '.'. Specifically, this function:

- Does nothing to the first line
- Removes first character (which must be ' ') from each proceeding line.
- Replaces any line that is '.' with an empty line.

```
"""
if s is None:
    return None
return '\n'.join(parse_multiline_as_lines(s))
```

```
def parse_multiline_as_lines(s):
    """Same as parse_multiline, but returns a list of lines.
```

```
(This is the inverse of format_multiline_lines.)
"""
```

```
lines = s.splitlines()
for i, line in enumerate(lines):
    if i == 0:
        continue
    if line.startswith(' '):
        line = line[1:]
    else:
        raise ValueError('continued line must begin with " "')
    if line == '.':
```



```

        line = "
        lines[i] = line
    return lines

class License(collections.namedtuple('License', 'synopsis text')):
    """Represents the contents of a License field. Immutable."""

    def __new__(cls, synopsis, text=""):
        """Creates a new License object.

        :param synopsis: The short name of the license, or an expression giving
            alternatives. (The first line of a License field.)
        :param text: The full text of the license, if any (may be None). The
            lines should not be mangled for "deb822"-style wrapping - i.e. they
            should not have whitespace prefixes or single '.' for empty lines.
        """
        return super(License, cls).__new__(
            cls, synopsis=_single_line(synopsis), text=(text or ""))

    @classmethod
    def from_str(cls, s):
        if s is None:
            return None

        lines = parse_multiline_as_lines(s)
        if not lines:
            return cls("")
        return cls(lines[0], text='\n'.join(itertools.islice(lines, 1, None)))

    def to_str(self):
        return format_multiline_lines([self.synopsis] + self.text.splitlines())

    # TODO(jsw): Parse the synopsis?
    # TODO(jsw): Provide methods to look up license text for known licenses?

    def globs_to_re(globs):
        r"""Returns an re object for the given globs.

        Only * and ? wildcards are supported. Literal * and ? may be matched via
        \* and \?, respectively. A literal backslash is matched \\. Any other
        character after a backslash is forbidden.

        Empty globs match nothing.

        Raises ValueError if any of the globs is illegal.
        """

```

```

buf = io.StringIO()
for i, glob in enumerate(globs):
    if i != 0:
        buf.write('\n')
    i = 0
    n = len(glob)
    while i < n:
        c = glob[i]
        i += 1
        if c == '*':
            buf.write('.')
        elif c == '?':
            buf.write('.')
        elif c == '\\':
            if i < n:
                c = glob[i]
                i += 1
            else:
                raise ValueError('single backslash not allowed at end')
            if c in r'\?*\':
                buf.write(re.escape(c))
            else:
                raise ValueError(r'invalid escape sequence: \%s' % c)
        else:
            buf.write(re.escape(c))

# Patterns must be anchored at the end of the string. (We use \Z instead
# of $ so that this works correctly for filenames including \n.)
buf.write(r'\Z')
return re.compile(buf.getvalue(), re.MULTILINE | re.DOTALL)

```

```

class FilesParagraph(deb822.RestrictedWrapper):
    """Represents a Files paragraph of a debian/copyright file.

    This kind of paragraph is used to specify the copyright and license for a
    particular set of files in the package.
    """

```

```

def __init__(self, data, _internal_validate=True):
    super(FilesParagraph, self).__init__(data)

    if _internal_validate:
        if 'Files' not in data:
            raise ValueError("'Files' field required")
        # For the other "required" fields, we just warn for now. Perhaps
        # these should be upgraded to exceptions (potentially protected by
        # a "strict" param).

```

```

    if 'Copyright' not in data:
        warnings.warn('Files paragraph missing Copyright field')
    if 'License' not in data:
        warnings.warn('Files paragraph missing License field')

    if not self.files:
        warnings.warn('Files paragraph has empty Files field')

self.__cached_files_pat = (None, None)

@classmethod
def create(cls, files, copyright, license):
    """Create a new FilesParagraph from its required parts.

    :param files: The list of file globs.
    :param copyright: The copyright for the files (free-form text).
    :param license: The Licence for the files.
    """
    p = cls(deb822.Deb822(), _internal_validate=False)
    p.files = files
    p.copyright = copyright
    p.license = license
    return p

def files_pattern(self):
    """Returns a regular expression equivalent to the Files globs.

    Caches the result until files is set to a different value.

    Raises ValueError if any of the globs are invalid.
    """
    files_str = self['files']
    if self.__cached_files_pat[0] != files_str:
        self.__cached_files_pat = (files_str, globs_to_re(self.files))
    return self.__cached_files_pat[1]

def matches(self, filename):
    """Returns True iff filename is matched by a glob in Files."""
    pat = self.files_pattern()
    return pat.match(filename) is not None

files = deb822.RestrictedField(
    'Files', from_str=_SpaceSeparated.from_str,
    to_str=_SpaceSeparated.to_str, allow_none=False)

copyright = deb822.RestrictedField('Copyright', allow_none=False)

license = deb822.RestrictedField(

```

```
'License', from_str=License.from_str, to_str=License.to_str,  
allow_none=False)
```

```
comment = deb822.RestrictedField('Comment')
```

```
class LicenseParagraph(deb822.RestrictedWrapper):  
    """Represents a standalone license paragraph of a debian/copyright file.
```

```
    Minimally, this kind of paragraph requires a 'License' field and has no  
    'Files' field. It is used to give a short name to a license text, which  
    can be referred to from the header or files paragraphs.  
    """
```

```
    def __init__(self, data, _internal_validate=True):  
        super(LicenseParagraph, self).__init__(data)  
        if _internal_validate:  
            if 'License' not in data:  
                raise ValueError("'License" field required')  
            if 'Files' in data:  
                raise ValueError('input appears to be a Files paragraph')
```

```
    @classmethod
```

```
    def create(cls, license):  
        """Returns a LicenseParagraph with the given license."""  
        if not isinstance(license, License):  
            raise TypeError('license must be a License instance')  
        paragraph = cls(deb822.Deb822(), _internal_validate=False)  
        paragraph.license = license  
        return paragraph
```

```
    # TODO(jsw): Validate that the synopsis of the license is a short name or  
    # short name with exceptions (not an alternatives expression). This  
    # requires help from the License class.
```

```
    license = deb822.RestrictedField(  
        'License', from_str=License.from_str, to_str=License.to_str,  
        allow_none=False)
```

```
    comment = deb822.RestrictedField('Comment')
```

```
    # Hide 'Files'.
```

```
    __files = deb822.RestrictedField('Files')
```

```
class Header(deb822.RestrictedWrapper):  
    """Represents the header paragraph of a debian/copyright file.
```

```
    Property values are all immutable, such that in order to modify them you
```

must explicitly set them (rather than modifying a returned reference).

```
"""
def __init__(self, data=None):
    """Initializer.

    :param parsed: A deb822.Deb822 object for underlying data. If None, a
        new one will be created.
    """
    if data is None:
        data = deb822.Deb822()
        data['Format'] = _CURRENT_FORMAT

    if 'Format-Specification' in data:
        warnings.warn('use of deprecated "Format-Specification" field;'
            ' rewriting as "Format"')
        data['Format'] = data['Format-Specification']
        del data['Format-Specification']

    super(Header, self).__init__(data)

    fmt = self.format
    if fmt is None:
        raise NotMachineReadableError(
            'input is not a machine-readable debian/copyright')
    if fmt not in _KNOWN_FORMATS:
        warnings.warn('format not known: %r' % fmt)

def known_format(self):
    """Returns True iff the format is known."""
    return self.format in _KNOWN_FORMATS

def current_format(self):
    """Returns True iff the format is the current format."""
    return self.format == _CURRENT_FORMAT

format = deb822.RestrictedField(
    'Format', to_str=_single_line, allow_none=False)

upstream_name = deb822.RestrictedField(
    'Upstream-Name', to_str=_single_line)

upstream_contact = deb822.RestrictedField(
    'Upstream-Contact', from_str=_LineBased.from_str,
    to_str=_LineBased.to_str)

source = deb822.RestrictedField('Source')
```

```

disclaimer = deb822.RestrictedField('Disclaimer')

comment = deb822.RestrictedField('Comment')

license = deb822.RestrictedField(
    'License', from_str=License.from_str, to_str=License.to_str)

copyright = deb822.RestrictedField('Copyright')
#!/usr/bin/python

# vim: fileencoding=utf-8
#
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"""Check the format and dumpability of debian/copyright filenames on stdin.

Usage:

    find /tmp/packages -type f -name copyright | ./check_parse_and_dump.py

The --suppress_warnings and --summary flags can be used to make the program
output less verbose.
"""

import argparse
import codecs
import io
import sys
import warnings

from debian import copyright

def parse_args():

```

```

parser = argparse.ArgumentParser()
parser.add_argument('--summary', action='store_true',
                    help='Whether to print only a summary')
parser.add_argument('--suppress_warnings', action='store_true',
                    help='Whether to suppress copyright warnings')
return parser.parse_args()

def main():
    args = parse_args()

    if args.suppress_warnings:
        warnings.filterwarnings('ignore', module='debian.copyright')

    problems = {}
    parse_failures = []
    dump_failures = []

    total = 0
    for filename in sys.stdin:
        total += 1
        filename = filename.rstrip()
        with io.open(filename, mode='rt', encoding='utf-8') as f:
            try:
                c = copyright.Copyright(f)
            except Exception as e:
                problems.setdefault((1, 'Parse failures'), []).append(
                    (filename, e))
                continue

            try:
                c.dump()
            except Exception as e:
                problems.setdefault((2, 'Dump failures'), []).append(
                    (filename, e))

            if not c.header.known_format():
                problems.setdefault((3, 'Unknown format'), []).append(
                    (filename, c.header.format))

    invalid_globs = []
    globs_with_leading_dot_slash = []
    globs_with_trailing_comma = []
    globs_with_double_star = []
    for p in c.all_files_paragraphs():
        try:
            p.files_pattern()
        except Exception as e:

```

```

        invalid_globs.append(e)
    for glob in p.files:
        if glob.startswith('./'):
            globs_with_leading_dot_slash.append(glob)
        if glob.endswith(','):
            globs_with_trailing_comma.append(glob)
        if '**' in glob:
            globs_with_double_star.append(glob)

    if invalid_globs:
        problems.setdefault((4, 'Invalid glob'), []).append(
            (filename, invalid_globs))
    if globs_with_leading_dot_slash:
        problems.setdefault((5, 'Globs with leading ./'), []).append(
            (filename, globs_with_leading_dot_slash))
    if globs_with_trailing_comma:
        problems.setdefault((6, 'Globs with trailing ,'), []).append(
            (filename, globs_with_trailing_comma))
    if globs_with_double_star:
        problems.setdefault((7, 'Globs with **'), []).append(
            (filename, globs_with_double_star))

    f = codecs.getwriter(encoding='utf-8')(sys.stdout)
    for (_, heading), problems in sorted(problems.items()):
        f.write('\n%s: (%d / %d)\n' % (heading, len(problems), total))
        if not args.summary:
            for filename, problem in problems:
                f.write(' %s: %s\n' % (filename, problem))

if __name__ == '__main__':
    main()

```

Format: <http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>  
 Upstream-Name: python-debian  
 Upstream-Contact: pkg-python-debian-maint@lists.ubuntu.com  
 Source: <http://anonscm.debian.org/cgit/pkg-python-debian/python-debian.git>

Files: \*  
 Copyright: Debian python-debian Maintainers (see debian/control for maintainer names)  
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Files: lib/deb822.py lib/debian/deb822.py lib/debian/tests/test\_deb822.py  
 Copyright: Copyright (C) 2005-2006 dann frazier <dannf@dannf.org>  
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Files:

examples/changelog/\*

lib/debian/changelog.py

README.changelog

setup.py.in

lib/debian/tests/test\_changelog.py

Copyright: Copyright (C) 2006-2007 James Westby <jw+debian@jameswestby.net>

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Comment: lib/debian/changelog.py's parsing code is based on that from dpkg which is:

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Files:

lib/debian/debian\_support.py

lib/debian/tests/test\_debian\_support.py

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Files:

examples/debtags/\*

lib/debian/debtags.py

lib/debian/doc-debtags

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Files:

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lib/debian/arfile.py

lib/debian/debfile.py

lib/debian/tests/test\_debfile.py

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lib/debian/deprecation.py

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Files:

examples/copyright/\*

lib/debian/copyright.py

lib/debian/tests/test\_copyright.py  
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## 1.733 xauth 1.0.10-1

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## 1.734 init-system-helpers

### 1.56+nmu1~ubuntu18.04.1

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# 1.735 twisted 17.9.0-2

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```

```
"""
```

```
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```

```
"""
```

```
from __future__ import division, absolute_import
```

```
__all__ = ['copyright', 'disclaimer', 'longversion', 'version']
```

```
from twisted import __version__ as version, version as longversion
```

```
longversion = str(longversion)
```

```
copyright="""\
```

```
Copyright (c) 2001-2016 Twisted Matrix Laboratories.
```

```
See LICENSE for details."""
```

```
disclaimer=""
```

```
Twisted, the Framework of Your Internet
```

```
%s
```

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```
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```

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## 1.736 linux-atm 2.5.1-2build1

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```

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\* Marko Kiiskila carnil@cs.tut.fi

\*

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## 1.741 libxext 1.3.3-1

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# 1.745 open-isns 0.97-2build1

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```
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```

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```
* /opt/ws_local/PERMITS_SQL/1016069500_1591897448.29/0/netifaces-0-10-4-orig-tar-gz/netifaces-0.10.4/setup.py
```

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

License: MIT License

Description: netifaces 0.10.4

=====

```
.. image:: https://drone.io/bitbucket.org/al45tair/netifaces/status.png  
:target: https://drone.io/bitbucket.org/al45tair/netifaces/latest  
:alt: Build Status
```

## 1. What is this?

-----

It's been annoying me for some time that there's no easy way to get the address(es) of the machine's network interfaces from Python. There is a good reason for this difficulty, which is that it is virtually impossible to do so in a portable manner. However, it seems to me that there should be a package you can `easy_install` that will take care of working out the details of doing so on the machine you're using, then you can get on with writing Python code without concerning yourself with the nitty gritty of system-dependent low-level networking APIs.

This package attempts to solve that problem.

## 2. How do I use it?

-----

First you need to install it, which you can do by typing::

```
tar xvzf netifaces-0.10.4.tar.gz
cd netifaces-0.10.4
python setup.py install
```

Once that's done, you'll need to start Python and do something like the following::

```
>>> import netifaces
```

Then if you enter

```
>>> netifaces.interfaces()
['lo0', 'gif0', 'stf0', 'en0', 'en1', 'fw0']
```

you'll see the list of interface identifiers for your machine.

You can ask for the addresses of a particular interface by doing

```
>>> netifaces.ifaddresses('lo0')
{18: [{'addr': ''}], 2: [{'peer': '127.0.0.1', 'netmask': '255.0.0.0', 'addr': '127.0.0.1'}], 30: [{'peer': '::1', 'netmask': 'ffff:ffff:ffff:ffff:ffff:ffff:ffff:ffff', 'addr': '::1'}, {'peer': '', 'netmask': 'ffff:ffff:ffff:ffff::', 'addr': 'fe80::1%lo0'}]}
```

Hmmm. That result looks a bit cryptic; let's break it apart and explain what each piece means. It returned a dictionary, so let's look there first::

```
{ 18: [...], 2: [...], 30: [...] }
```

Each of the numbers refers to a particular address family. In this case, we



have three address families listed; on my system, 18 is ``AF\_LINK`` (which means the link layer interface, e.g. Ethernet), 2 is ``AF\_INET`` (normal Internet addresses), and 30 is ``AF\_INET6`` (IPv6).

But wait! Don't use these numbers in your code. The numeric values here are system dependent; fortunately, I thought of that when writing netifaces, so the module declares a range of values that you might need. e.g.

```
>>> netifaces.AF_LINK
18
```

Again, on your system, the number may be different.

So, what we've established is that the dictionary that's returned has one entry for each address family for which this interface has an address. Let's take a look at the ``AF\_INET`` addresses now:

```
>>> addrs = netifaces.ifaddresses('lo0')
>>> addrs[netifaces.AF_INET]
[{'peer': '127.0.0.1', 'netmask': '255.0.0.0', 'addr': '127.0.0.1'}]
```

You might be wondering why this value is a list. The reason is that it's possible for an interface to have more than one address, even within the same family. I'll say that again: *\*you can have more than one address of the same type associated with each interface\**.

*\*Asking for "the" address of a particular interface doesn't make sense.\**

Right, so, we can see that this particular interface only has one address, and, because it's a loopback interface, it's point-to-point and therefore has a *\*peer\** address rather than a broadcast address.

Let's look at a more interesting interface.

```
>>> addrs = netifaces.ifaddresses('en0')
>>> addrs[netifaces.AF_INET]
[{'broadcast': '10.15.255.255', 'netmask': '255.240.0.0', 'addr': '10.0.1.4'}, {'broadcast': '192.168.0.255', 'addr': '192.168.0.47'}]
```

This interface has two addresses (see, I told you...) Both of them are regular IPv4 addresses, although in one case the netmask has been changed from its default. The netmask *\*may not\** appear on your system if it's set to the default for the address range.

Because this interface isn't point-to-point, it also has broadcast addresses.

Now, say we want, instead of the IP addresses, to get the MAC address; that is, the hardware address of the Ethernet adapter running this interface. We

can do

```
>>> addrs[netifaces.AF_LINK]
[{'addr': '00:12:34:56:78:9a'}]
```

Note that this may not be available on platforms without `getifaddrs()`, unless they happen to implement ```SIOCGIFHWADDR```. Note also that you just get the address; it's unlikely that you'll see anything else with an ```AF_LINK``` address. Oh, and don't assume that all ```AF_LINK``` addresses are Ethernet; you might, for instance, be on a Mac, in which case:

```
>>> addrs = netifaces.ifaddresses('fw0')
>>> addrs[netifaces.AF_LINK]
[{'addr': '00:12:34:56:78:9a:bc:de'}]
```

No, that isn't an exceptionally long Ethernet MAC address---it's a FireWire address.

As of version 0.10.0, you can also obtain a list of gateways on your machine:

```
>>> netifaces.gateways()
{2: [('10.0.1.1', 'en0', True), ('10.2.1.1', 'en1', False)], 30: [('fe80::1', 'en0', True)], 'default': { 2: ('10.0.1.1', 'en0'),
30: ('fe80::1', 'en0') }}
```

This dictionary is keyed on address family---in this case, ```AF_INET```---and each entry is a list of gateways as ```(address, interface, is_default)``` tuples. Notice that here we have two separate gateways for IPv4 (```AF_INET```); some operating systems support configurations like this and can either route packets based on their source, or based on administratively configured routing tables.

For convenience, we also allow you to index the dictionary with the special value ```default```, which returns a dictionary mapping address families to the default gateway in each case. Thus you can get the default IPv4 gateway with

```
>>> gws = netifaces.gateways()
>>> gws['default'][netifaces.AF_INET]
('10.0.1.1', 'en0')
```

Do note that there may be no default gateway for any given address family; this is currently very common for IPv6 and much less common for IPv4 but it can happen even for ```AF_INET```.

BTW, if you're trying to configure your machine to have multiple gateways for the same address family, it's a very good idea to check the documentation for your operating system *very* carefully, as some systems become extremely confused or route packets in a non-obvious manner.

I'm very interested in hearing from anyone (on any platform) for whom the `gateways()` method doesn't produce the expected results. It's quite complicated extracting this information from the operating system (whichever operating system we're talking about), and so I expect there's at least one system out there where this just won't work.

3. This is great! What platforms does it work on?

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It gets regular testing on OS X, Linux and Windows. It has also been used successfully on Solaris, and it's expected to work properly on other UNIX-like systems as well. If you are running something that is not supported, and wish to contribute a patch, please use BitBucket to send a pull request.

4. What license is this under?

-----

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5. Why the jump to 0.10.0?

-----

Because someone released a fork of netifaces with the version 0.9.0. Hopefully skipping the version number should remove any confusion. In addition starting with 0.10.0 Python 3 is now supported and other features/bugfixes have been included as well. See the CHANGELOG for a more complete list of changes.

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Found in path(s):

```
* /opt/ws_local/PERMITS_SQL/1016069500_1591897448.29/0/netifaces-0-10-4-orig-tar-gz/netifaces-0.10.4/netifaces.egg-info/PKG-INFO
```

```
* /opt/ws_local/PERMITS_SQL/1016069500_1591897448.29/0/netifaces-0-10-4-orig-tar-gz/netifaces-0.10.4/PKG-INFO
```

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

netifaces 0.10.4

=====

```
.. image:: https://drone.io/bitbucket.org/al45tair/netifaces/status.png
:target: https://drone.io/bitbucket.org/al45tair/netifaces/latest
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```

Then if you enter

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['lo0', 'gif0', 'stf0', 'en0', 'en1', 'fw0']
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Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1016069500\_1591897448.29/0/netifaces-0-10-4-orig-tar-gz/netifaces-0.10.4/README.rst

# 1.748 unattended-upgrades

## 1.1ubuntu1.18.04.12

### 1.748.1 Available under license :

Format: <http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Source: <http://code.launchpad.net/~ubuntu-core-dev/unattended-upgrades/ubuntu>

Files: \*

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# 1.753 fribidi 0.19.7-2

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## 1.754 linux-signed 4.15.0-72.81

### 1.754.1 Available under license :

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```

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## 1.756 python-colorama 0.3.7-1

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## 1.759 python-cffi 1.11.5-1

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# 1.764 goprotobuf 3.10.0

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- \* MS Visual Studio error format option.
- \* Detect unordered\_map in stl\_hash.m4.

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- \* Added generation of field number constants.

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- \* Emacs mode for Protocol Buffers (editors/protobuf-mode.el).

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- \* Added Swap(), SwapElements(), and RemoveLast() to Reflection interface.

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- \* Detect whether zlib is new enough in configure script.
- \* Fixes for Solaris 10 32/64-bit confusion.

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- \* Optimize Java serialization code when writing a small message to a stream.
- \* Optimize Java serialization of strings so that UTF-8 encoding happens only once per string per serialization call.
- \* Clean up some Java warnings.
- \* Fix bug with permanent callbacks that delete themselves when run.

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- \* Fixed detection of sched\_yield on Solaris.
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\* Fixed minor IBM xLC compiler build issues

\* Added atomicops for AIX (POWER)

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#+STARTUP: showall
```

\* DNS resolver (dirmngr/dns.c)

dns.c - Recursive, Reentrant DNS Resolver.

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Upstream-Name: GnuPG - The GNU Privacy Guard (modern version)

Upstream-Contact: GnuPG development mailing list <gnupg-devel@gnupg.org>

Source: <https://gnupg.org/download/>

Files: \*

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agent/command-ssh.c

agent/gpg-agent.c

common/homedir.c

common/sysutils.c

g10/mainproc.c

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Files: \*

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-- vile:txtmode fc=72

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It is based somewhat on work done by Bruce Perens <Bruce@Pixar.com>, David Engel <david@elo.ods.com>. Michael Alan Dorman <mdorman@debian.org>, Richard Braakman <dark@xs4all.nl>, James Troup <jjtroup@comp.brad.ac.uk>, J.H.M. Dassen (Ray) <jdassen@wi.LeidenUniv.nl>, and Galen Hazelwood <galenh@micron.net> over various years.

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## 1.768 iptables 1.6.1-2ubuntu2

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#### ARCFOUR

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#### CAMELLIA

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#### CAST128

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#### DES

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#### MD2

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#### MD4

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#### MD5

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#### SHA1

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#### SHA224, SHA256, SHA384, and SHA512

Written by Niels Mller, using Peter Gutmann's SHA1 code as a model. Released under the LGPL.

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Written by Niels Mller, released under the LGPL. Uses the GMP library for bignum operations.

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common/pkcs11i.h  
common/test-constants.c common/test-hash.c  
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x ?"U@,5 @mISmIN<GimCN7g1u|E  
43mI,5WEV @@ WEV @mImImIAmImImI0mImImI\*mImI  
A0mImImI...  
lost+found...

;9GimCN7g

!"#\$%&'()\*+,-  
./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_`abcdefghijklmnopqrstuvwxyz{|}~

!"#\$%&'()\*+,-  
./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_`abcdefghijklmnopqrstuvwxyz{|}~

!"#\$%&'()\*+,-  
./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_`abcdefghijklmnopqrstuvwxyz{|}~

!"#\$%&'()\*+,-  
./0123456789:;<=>?@ABCDEFGHIJKLMNOPQRSTUVWXYZ[\]^\_`abcdefghijklmnopqrstuvwxyz{|}~WEV @@

WEV[B "1

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lib/gssapi/mechglue/g\_acquire\_cred.c  
lib/gssapi/mechglue/g\_canon\_name.c  
lib/gssapi/mechglue/g\_compare\_name.c  
lib/gssapi/mechglue/g\_context\_time.c  
lib/gssapi/mechglue/g\_delete\_sec\_context.c

lib/gssapi/mechglue/g\_dsp\_name.c  
lib/gssapi/mechglue/g\_dsp\_status.c  
lib/gssapi/mechglue/g\_dup\_name.c  
lib/gssapi/mechglue/g\_exp\_sec\_context.c  
lib/gssapi/mechglue/g\_export\_name.c  
lib/gssapi/mechglue/g\_glue.c  
lib/gssapi/mechglue/g\_imp\_name.c  
lib/gssapi/mechglue/g\_imp\_sec\_context.c  
lib/gssapi/mechglue/g\_init\_sec\_context.c  
lib/gssapi/mechglue/g\_initialize.c  
lib/gssapi/mechglue/g\_inquire\_context.c  
lib/gssapi/mechglue/g\_inquire\_cred.c  
lib/gssapi/mechglue/g\_inquire\_names.c  
lib/gssapi/mechglue/g\_process\_context.c  
lib/gssapi/mechglue/g\_rel\_buffer.c  
lib/gssapi/mechglue/g\_rel\_cred.c  
lib/gssapi/mechglue/g\_rel\_name.c  
lib/gssapi/mechglue/g\_rel\_oid\_set.c  
lib/gssapi/mechglue/g\_seal.c  
lib/gssapi/mechglue/g\_sign.c  
lib/gssapi/mechglue/g\_store\_cred.c  
lib/gssapi/mechglue/g\_unseal.c  
lib/gssapi/mechglue/g\_userok.c  
lib/gssapi/mechglue/g\_utils.c  
lib/gssapi/mechglue/g\_verify.c  
lib/gssapi/mechglue/gssd\_pname\_to\_uid.c  
lib/gssapi/mechglue/mglueP.h  
lib/gssapi/mechglue/oid\_ops.c  
lib/gssapi/spnego/gssapiP\_spnego.h  
lib/gssapi/spnego/spnego\_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

include/iprop\_hdr.h  
kadmin/server/ipropd\_svc.c  
lib/kdb/iprop.x  
lib/kdb/kdb\_convert.c  
lib/kdb/kdb\_log.c  
lib/kdb/kdb\_log.h  
lib/krb5/error\_tables/kdb5\_err.et  
slave/kpropd\_rpc.c  
slave/kproplog.c

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi\_err\_generic.et  
lib/gssapi/mechglue/g\_accept\_sec\_context.c  
lib/gssapi/mechglue/g\_acquire\_cred.c  
lib/gssapi/mechglue/g\_canon\_name.c  
lib/gssapi/mechglue/g\_compare\_name.c  
lib/gssapi/mechglue/g\_context\_time.c  
lib/gssapi/mechglue/g\_delete\_sec\_context.c  
lib/gssapi/mechglue/g\_dsp\_name.c  
lib/gssapi/mechglue/g\_dsp\_status.c  
lib/gssapi/mechglue/g\_dup\_name.c  
lib/gssapi/mechglue/g\_exp\_sec\_context.c  
lib/gssapi/mechglue/g\_export\_name.c  
lib/gssapi/mechglue/g\_glue.c  
lib/gssapi/mechglue/g\_imp\_name.c  
lib/gssapi/mechglue/g\_imp\_sec\_context.c  
lib/gssapi/mechglue/g\_init\_sec\_context.c  
lib/gssapi/mechglue/g\_initialize.c  
lib/gssapi/mechglue/g\_inquire\_context.c  
lib/gssapi/mechglue/g\_inquire\_cred.c  
lib/gssapi/mechglue/g\_inquire\_names.c  
lib/gssapi/mechglue/g\_process\_context.c  
lib/gssapi/mechglue/g\_rel\_buffer.c  
lib/gssapi/mechglue/g\_rel\_cred.c  
lib/gssapi/mechglue/g\_rel\_name.c  
lib/gssapi/mechglue/g\_rel\_oid\_set.c  
lib/gssapi/mechglue/g\_seal.c

lib/gssapi/mechglue/g\_sign.c  
lib/gssapi/mechglue/g\_store\_cred.c  
lib/gssapi/mechglue/g\_unseal.c  
lib/gssapi/mechglue/g\_userok.c  
lib/gssapi/mechglue/g\_utils.c  
lib/gssapi/mechglue/g\_verify.c  
lib/gssapi/mechglue/gssd\_pname\_to\_uid.c  
lib/gssapi/mechglue/mglueP.h  
lib/gssapi/mechglue/oid\_ops.c  
lib/gssapi/spnego/gssapiP\_spnego.h  
lib/gssapi/spnego/spnego\_mech.c

and the initial implementation of incremental propagation, including the following new or changed files:

include/iprop\_hdr.h  
kadmin/server/ipropd\_svc.c  
lib/kdb/iprop.x  
lib/kdb/kdb\_convert.c  
lib/kdb/kdb\_log.c  
lib/kdb/kdb\_log.h  
lib/krb5/error\_tables/kdb5\_err.et  
slave/kpropd\_rpc.c  
slave/kproplog.c

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## 1.779 pam 1.1.8-3.6ubuntu2.18.04.1

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Patch for Ubuntu bug #399071

Display the contents of `/etc/legal` as part of the MOTD, the first time the user logs in, and set a flag in the user's homedir if possible to prevent repeat displays.

Authors: Dustin Kirkland <kirkland@canonical.com>

Upstream status: Ubuntu-specific, maybe submit to Debian

Index: pam.ubuntu/modules/pam\_motd/pam\_motd.c

```
-----  
--- pam.ubuntu.orig/modules/pam_motd/pam_motd.c  
+++ pam.ubuntu/modules/pam_motd/pam_motd.c  
@@ -73,6 +73,61 @@  
close(fd);  
}  
  
+int display_legal(pam_handle_t *pamh)  
+{  
+ int retval = PAM_IGNORE, rc;  
+ char *user = NULL;
```

```

+ char *dir = NULL;
+ char *flag = NULL;
+ struct passwd *pwd = NULL;
+ struct stat s;
+ int f;
+ /* Get the user name to determine if we need to print the disclaimer */
+ rc = pam_get_item(pamh, PAM_USER, &user);
+ if (rc == PAM_SUCCESS && user != NULL && *(const char *)user != '\0')
+ {
+     PAM_MODUTIL_DEF_PRIVS(privs);
+
+     /* Get the password entry */
+     pwd = pam_modutil_getpwnam (pamh, user);
+     if (pwd != NULL)
+     {
+         if (pam_modutil_drop_priv(pamh, &privs, pwd) {
+             pam_syslog(pamh, LOG_ERR,
+                 "Unable to change UID to %d temporarily\n",
+                 pwd->pw_uid);
+             retval = PAM_SESSION_ERR;
+             goto finished;
+         }
+
+         if (asprintf(&dir, "%s/.cache", pwd->pw_dir) == -1 || !dir)
+             goto finished;
+         if (asprintf(&flag, "%s/motd.legal-displayed", dir) == -1 || !flag)
+             goto finished;
+
+         if (stat(flag, &s) != 0)
+         {
+             display_file(pamh, "/etc/legal");
+             mkdir(dir, 0700);
+             f = open(flag, O_WRONLY|O_CREAT|O_EXCL,
+                 S_IRUSR|S_IWUSR|S_IRGRP|S_IROTH);
+             if (f>=0) close(f);
+         }
+
+     +finished:
+         if (pam_modutil_regain_priv(pamh, &privs)) {
+             pam_syslog(pamh, LOG_ERR,
+                 "Unable to change UID back to %d\n", privs.old_uid);
+             retval = PAM_SESSION_ERR;
+         }
+
+         _pam_drop(flag);
+         _pam_drop(dir);
+     }
+ }

```

```

+ return retval;
+ }
+
PAM_EXTERN
int pam_sm_open_session(pam_handle_t *pamh, int flags,
    int argc, const char **argv)
@@ -116,6 +171,9 @@
    /* Display the updated motd */
    display_file(pamh, motd_path);

+ /* Display the legal disclaimer only if necessary */
+ retval = display_legal(pamh);
+
    return retval;
}

```

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```
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## Constant-time SSSE3 AES core implementation.  
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##  
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This package was debianized by Ivo Timmermans <ivo@debian.org> on Fri, 3 Aug 2001 10:00:42 +0200.

It was later taken over by Matthias Urlichs <smurf@debian.org> and is now maintained by Andreas Metzler <ametzler@debian.org> Eric Dorland <eric@debian.org>, James Westby <jw+debian@jameswestby.net>

It was downloaded from <ftp://ftp.gnutls.org/gcrypt/gnutls/>

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Alessandro Ghedini \*alessandro [at] ghedini.me\*

TLS Fallback SCSV support (RFC7507).

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Upstream Authors: David Woodhouse <dwmw2@infradead.org>

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Comment: This code is not used on Debian/\*, since we have a working  
vasprintf() in glibc.

lib/extras/hex.\*

Author: Rusty Russell <rusty@rustcorp.com.au>

Comment: <http://ccodearchive.net/info/str/hex.html>

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tests/pkcs11/pkcs11-mock.\*

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# 1.790 commons-lang3 3.9

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* /opt/ws_local/PERMITS_SQL/1030458486_1591384649.49/0/spring-cloud-netflix-archaius-2-1-4-release-sources-jar/org/springframework/cloud/netflix/archaius/ArchaiusEndpoint.java
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\* /opt/ws\_local/PERMITS\_SQL/1030458493\_1591846349.69/0/spring-cloud-netflix-ribbon-2-1-4-release-sources-  
jar/org/springframework/cloud/netflix/ribbon/okhttp/OkHttpRibbonRequest.java  
\* /opt/ws\_local/PERMITS\_SQL/1030458493\_1591846349.69/0/spring-cloud-netflix-ribbon-2-1-4-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1030458493\_1591846349.69/0/spring-cloud-netflix-ribbon-2-1-4-release-sources-  
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\* /opt/ws\_local/PERMITS\_SQL/1030458493\_1591846349.69/0/spring-cloud-netflix-ribbon-2-1-4-release-sources-  
jar/org/springframework/cloud/netflix/ribbon/ServerIntrospectorProperties.java  
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\* /opt/ws\_local/PERMITS\_SQL/1030458493\_1591846349.69/0/spring-cloud-netflix-ribbon-2-1-4-release-sources-jar/org/springframework/cloud/netflix/ribbon/PropertiesFactory.java

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\* /opt/ws\_local/PERMITS\_SQL/1030458463\_1591846340.3/0/spring-cloud-openfeign-core-2-1-4-release-sources-jar/org/springframework/cloud/openfeign/FeignLoggerFactory.java  
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\* /opt/ws\_local/PERMITS\_SQL/1030458463\_1591846340.3/0/spring-cloud-openfeign-core-2-1-4-release-sources-jar/org/springframework/cloud/openfeign/support/PageableSpringEncoder.java  
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# 1.805 spring-cloud-openfeign-core 2.1.3

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* /opt/ws_local/PERMITS_SQL/1031259812_1591384655.75/0/spring-cloud-openfeign-core-2-1-3-release-sources-1-jar/org/springframework/cloud/openfeign/FeignClientProperties.java
* /opt/ws_local/PERMITS_SQL/1031259812_1591384655.75/0/spring-cloud-openfeign-core-2-1-3-release-sources-1-jar/org/springframework/cloud/openfeign/FeignClient.java
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* /opt/ws_local/PERMITS_SQL/1031259812_1591384655.75/0/spring-cloud-openfeign-core-2-1-3-release-
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sources-1-jar/org/springframework/cloud/openfeign/ribbon/DefaultFeignLoadBalancedConfiguration.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031259812\_1591384655.75/0/spring-cloud-openfeign-core-2-1-3-release-sources-1-jar/org/springframework/cloud/openfeign/FeignFormatterRegistrar.java  
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\* /opt/ws\_local/PERMITS\_SQL/1031259812\_1591384655.75/0/spring-cloud-openfeign-core-2-1-3-release-sources-1-jar/org/springframework/cloud/openfeign/DefaultFeignLoggerFactory.java

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That's all there is to it!

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Julian Seward, jseward@bzip.org  
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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@c Set file name and title for man page.  
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@c man begin SEEALSO  
gfdl(7), fsf-funding(7).  
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@c man end

@end ignore

@node Copying

@c man begin DESCRIPTION

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@center Version 3, 29 June 2007

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DRuntime: Runtime Library for the D Programming Language

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ASN.1 library for Python

-----  
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This is a free and open source implementation of ASN.1 types and codecs as a Python package. It has been first written to support particular protocol (SNMP) but then generalized to be suitable for a wide range of protocols based on

[ASN.1 specification](https://www.itu.int/rec/dologin\_pub.asp?lang=e&id=T-REC-X.208-198811-W!!PDF-E&type=items).

Features

-----

- \* Generic implementation of ASN.1 types (X.208)
- \* Standards compliant BER/CER/DER codecs
- \* Dumps/loads ASN.1 structures from Python types
- \* 100% Python, works with Python 2.4 up to Python 3.6

\* MT-safe

\* Contributed ASN.1 compiler [Asn1ate](<https://github.com/kimgr/asn1ate>)

## Why using pyasn1

-----

ASN.1 solves the data serialisation problem. This solution was designed long ago by the wise Ancients. Back then, they did not have the luxury of wasting bits. That is why ASN.1 is designed to serialise data structures of unbounded complexity into something compact and efficient when it comes to processing the data.

That probably explains why many network protocols and file formats still rely on the 30+ years old technology. Including a number of high-profile Internet protocols and file formats.

Quite a number of books cover the topic of ASN.1.

[Communication between heterogeneous systems](<http://www.oss.com/asn1/dubuisson.html>) by Olivier Dubuisson is one of those high quality books freely available on the Internet.

The pyasn1 package is designed to help Python programmers tackling network protocols and file formats at the comfort of their Python prompt. The tool struggles to capture all aspects of a rather complicated ASN.1 system and to represent it on the Python terms.

## How to use pyasn1

-----

With pyasn1 you can build Python objects from ASN.1 data structures. For example, the following ASN.1 data structure:

```
```bash
Record ::= SEQUENCE {
  id    INTEGER,
  room  [0] INTEGER OPTIONAL,
  house [1] INTEGER DEFAULT 0
}
```
```

Could be expressed in pyasn1 like this:

```
```python
class Record(Sequence):
    componentType = NamedTypes(
        NamedType('id', Integer()),
        OptionalNamedType(
```

```

        'room', Integer().subtype(
            implicitTag=Tag(tagClassContext, tagFormatSimple, 0)
        )
    ),
    DefaultedNamedType(
        'house', Integer(0).subtype(
            implicitTag=Tag(tagClassContext, tagFormatSimple, 1)
        )
    )
)
)
...

```

It is in the spirit of ASN.1 to take abstract data description and turn it into a programming language specific form. Once you have your ASN.1 data structure expressed in Python, you can use it along the lines of similar Python type (e.g. ASN.1 `SET` is similar to Python `dict`, `SET OF` to `list`):

```

```python
>>> record = Record()
>>> record['id'] = 123
>>> record['room'] = 321
>>> str(record)
Record:
id=123
room=321
>>>
...

```

Part of the power of ASN.1 comes from its serialisation features. You can serialise your data structure and send it over the network.

```

```python
>>> from pyasn1.codec.der.encoder import encode
>>> substrate = encode(record)
>>> hexdump(substrate)
0000: 30 07 02 01 7B 80 02 01 41
...

```

Conversely, you can turn serialised ASN.1 content, as received from network or read from a file, into a Python object which you can introspect, modify, encode and send back.

```

```python
>>> from pyasn1.codec.der.decoder import decode
>>> received_record, rest_of_substrate = decode(substrate, asn1Spec=Record())
>>>
>>> for field in received_record:

```

```

>>> print('{} is {}'.format(field, received_record[field]))
id is 123
room is 321
house is 0
>>>
>>> record == received_record
True
>>> received_record.update(room=123)
>>> substrate = encode(received_record)
>>> hexdump(substrate)
00000: 30 06 02 01 7B 80 01 7B
...

```

The pyasn1 classes struggle to emulate their Python prototypes (e.g. int, list, dict etc.). But ASN.1 types exhibit more complicated behaviour. To make life easier for a Pythonista, they can turn their pyasn1 classes into Python built-ins:

```

```python
>>> from pyasn1.codec.native.encoder import encode
>>> encode(record)
{'id': 123, 'room': 321, 'house': 0}
...

```

Or vice-versa -- you can initialize an ASN.1 structure from a tree of Python objects:

```

```python
>>> from pyasn1.codec.native.decoder import decode
>>> record = decode({'id': 123, 'room': 321, 'house': 0}, asn1Spec=Record())
>>> str(record)
Record:
id=123
room=321
>>>
...

```

With ASN.1 design, serialisation codecs are decoupled from data objects, so you could turn every single ASN.1 object into many different serialised forms. As of this moment, pyasn1 supports BER, DER, CER and Python built-ins codecs. The extremely compact PER encoding is expected to be introduced in the upcoming pyasn1 release.

More information on pyasn1 APIs can be found in the [documentation](<http://snmplabs.com/pyasn1/>), compiled ASN.1 modules for different protocols and file formats could be found in the pyasn1-modules [repo](<https://github.com/etingof/pyasn1-modules>).



## How to get pyasn1

-----

The pyasn1 package is distributed under terms and conditions of 2-clause BSD [license](<http://snmplabs.com/pyasn1/license.html>). Source code is freely available as a GitHub [repo](<https://github.com/etingof/pyasn1>).

You could `pip install pyasn1` or download it from [PyPI](<https://pypi.python.org/pypi/pyasn1>).

If something does not work as expected,  
[open an issue](<https://github.com/etingof/pyasn1/issues>) at GitHub or  
post your question [on Stack Overflow](<http://stackoverflow.com/questions/ask>)  
or try browsing pyasn1  
[mailing list archives](<https://sourceforge.net/p/pyasn1/mailman/pyasn1-users/>).

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ASN.1 library for Python

=====

.. toctree::

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Abstract Syntax Notation One (ASN.1

<[http://en.wikipedia.org/wiki/Abstract\\_Syntax\\_Notation\\_1x](http://en.wikipedia.org/wiki/Abstract_Syntax_Notation_1x)>\_) is a technology for exchanging structured data in a universally understood, hardware agnostic way. Many industrial, security and telephony applications heavily rely on ASN.1.

The `pyasn1` <<https://pypi.python.org/pypi/pyasn1/>>`\_ library implements ASN.1 support in pure-Python.

What is ASN.1

-----

ASN.1 is a large, arguably over-engineered and extremely old data modelling and serialisation tool. It is probably among the first serialisation protocols in the history of computer science and technology.

ASN.1 started its life over 30 years ago as a serialisation mechanism for the first electronic mail (known as X.400). Later on it was split off the e-mail application and became a stand-alone tech still being actively supported by its designers and widely used in industry and technology.

Since then ASN.1 is sort of haunted by its relations with the OSI model -- the first, unsuccessful, version of the Internet. You can read many interesting discussions <<https://news.ycombinator.com/item?id=8871453>> on that topic.

In the following years, generations of software engineers tackled the serialisation problem many times. We can see that in Google's `ProtoBuffers` <<https://developers.google.com/protocol-buffers/>> or `FlatBuffers` <<https://google.github.io/flatbuffers/>>, for example. Interestingly, many new takes on binary protocol design do not depart far from ASN.1 from technical perspective. It's more of a matter of striking a balance between processing overhead, wire format overhead and human readability.

Looking at what ASN.1 has to offer, it has three loosely coupled parts:

- \* Data types: the standard introduces a collection of basic data types (integers, bits, strings, arrays and records) that can be used for describing arbitrarily complex, nested data structures.
- \* Serialisation protocols: the above data structures could be converted into a series of octets for storage or transmission over the wire as well as recovered back into their structured form. The system is fully agnostic to hardware architectures differences.
- \* Schema language: ASN.1 data structures could be described in terms of a schema language for ASN.1 compiler to turn it into platform-specific implementation.

#### ASN.1 applications

-----

Being an old and generally successful standard, ASN.1 is widely adopted for many uses. To give you an example, these technologies use ASN.1 for their data exchange needs:

- \* Signaling standards for the public switched telephone network (SS7 family)
- \* Network management standards (SNMP, CMIP)
- \* Directory standards (X.500 family, LDAP)
- \* Public Key Infrastructure standards (X.509, etc.)
- \* PBX control (CSTA)
- \* IP-based Videoconferencing (H.323 family)
- \* Biometrics (BIP, CBEFF, ACBio)
- \* Intelligent transportation (SAE J2735)
- \* Cellular telephony (GSM, GPRS/EDGE, UMTS, LTE)

#### ASN.1 gotchas

-----

Apparently, ASN.1 is hard to implement properly. Quality open-source ASN.1 tools are rare, but ad-hoc implementations are numerous. Judging from the `statistics <http://cve.mitre.org/cgi-bin/cvekey.cgi?keyword=ASN.1>` on discovered security vulnerabilities, many people have implemented ASN.1 parsers and oftentimes fell victim to its edge cases.

On the bright side, ASN.1 has been around for a long time, it is well understood and security reviewed.

## Documentation

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```
.. toctree::
   :maxdepth: 2
```

[/pyasn1/contents](#)

## Use case

-----

```
.. toctree::
   :maxdepth: 2
```

[/example-use-case](#)

## Download & Install

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```
.. toctree::
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```

[/download](#)

## Changes

-----

All changes and release history is maintained in changelog. There you could also download the latest unreleased pyasn1 tarball containing the latest fixes and improvements.

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```

[/changelog](#)

## License

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The PyASN1 software is distributed under 2-clause BSD License.

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    :maxdepth: 2
```

```
/license
```

Getting help

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Please, file your `issues` <<https://github.com/etingof/pyasn1/issues>>`\_`  
and `PRs` <<https://github.com/etingof/pyasn1/pulls>>`\_` at GitHub.  
Alternatively, you could ask for help at  
`Stack Overflow` <<http://stackoverflow.com/questions/tagged/pyasn1>>`\_`  
or search  
`pyasn1-users` <<https://lists.sourceforge.net/lists/listinfo/pyasn1-users>>`\_`  
mailing list archive.

Books on ASN.1

-----

The pyasn1 implementation is largely based on reading up the following awesome books:

- \* `ASN.1 - Communication between heterogeneous systems` <<http://www.oss.com/asn1/dubuisson.html>>`\_` by Olivier Dubuisson
- \* `ASN.1 Complete` <<http://www.oss.com/asn1/resources/books-whitepapers-pubs/larmouth-asn1-book.pdf>>`\_` by Prof John Larmouth

Here you can get the official standards which is hard to read:

- \* `ITU standards` <<http://www.itu.int/ITU-T/studygroups/com17/languages/X.680-X.693-0207w.zip>>`\_`

On the other end of the readability spectrum, here is a quick and sweet write up:

- \* `A Layman's Guide to a Subset of ASN.1, BER, and DER` <<ftp://ftp.rsasecurity.com/pub/pkcs/ascii/layman.asc>>`\_` by Burton S. Kaliski

If you are working with ASN.1, we'd highly recommend reading a proper book on the subject.

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# 1.815 spring-security-jwt 2.1.1

## 1.815.1 Available under license :

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- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/token/verifier/TokenVerifier.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/token/keyset/Auth0JWTKeyset.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/token/claim/\_JWTClaims.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/token/claim/\_JWTClaim.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/token/config/JWTConfig.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/security/\_JWTAuthority.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/token/extractor/InnerClaimsWrapper.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/token/exception/MissingSignatureException.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/security/JWTPrincipal.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/security/JWTAuthenticationTokenFilter.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/security/config/JWTSecurityConfiguration.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/token/extractor/ClaimExtractor.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/token/config/\_JWTConfigData.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/token/extractor/ValidatingHierarchicalClaimsExtractor.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/token/verifier/JWTVerifier.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/security/JWTAuthenticationEntryPoint.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/token/extractor/TokenProcessor.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/security/JWTAuthenticationToken.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/security/JWTAuthenticationSuccessHandler.java

- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/token/exception/TokenException.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/token/exception/MissingClaimException.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/token/keyset/JWTKeyset.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/security/JWTAuthenticationProvider.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/token/exception/InvalidTokenException.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/data/ClaimName.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/token/extractor/HierarchicalClaimsExtractor.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/token/extractor/ClaimsValidator.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/security/config/\_JWTSecurityConfig.java
- \* /opt/ws\_local/PERMITS\_SQL/1063707160\_1593014873.66/0/spring-security-jwt-2-1-1-sources-jar/com/mercateo/spring/security/jwt/token/verifier/JWTVerifierFactory.java

## 1.816 asm 5.0.3

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\*/opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/xml/package.html

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/\*\*

- \* Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must
- \* not use this constructor</i>. Instead, they must use the
- \* {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
- \* version.
- \*
- \* @param typeRef
- \* a reference to the annotated type. See {@link TypeReference}.

```

* @param typePath
*     the path to the annotated type argument, wildcard bound, array
*     element type, or static inner type within 'typeRef'. May be
*     <tt>null</tt> if the annotation targets 'typeRef' as a whole.
* @param start
*     the first instructions corresponding to the continuous ranges
*     that make the scope of this local variable (inclusive).
* @param end
*     the last instructions corresponding to the continuous ranges
*     that make the scope of this local variable (exclusive). This
*     array must have the same size as the 'start' array.
* @param index
*     the local variable's index in each range. This array must have
*     the same size as the 'start' array.
* @param desc
*     the class descriptor of the annotation class.
*/

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/tree/LocalVariableAnnotationNode.java

```

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```

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```

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\* Creates a new JSRInliner. *<i>Subclasses must not use this  
\* constructor</i>. Instead, they must use the  
\* { @link #JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])}  
\* version.  
\*  
\* @param mv  
\* the `MethodVisitor` to send the resulting inlined  
\* method code to (use `null` for none).  
\* @param access  
\* the method's access flags (see { @link Opcodes}). This  
\* parameter also indicates if the method is synthetic and/or  
\* deprecated.  
\* @param name  
\* the method's name.  
\* @param desc  
\* the method's descriptor (see { @link Type}).  
\* @param signature  
\* the method's signature. May be `null`.  
\* @param exceptions  
\* the internal names of the method's exception classes (see  
\* { @link Type#getInternalName() getInternalName}). May be  
\* `null`.  
\* @throws IllegalStateException  
\* If a subclass calls this constructor.  
\*/*

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-  
jar/org/objectweb/asm/commons/JSRInlinerAdapter.java

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\* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-  
jar/org/objectweb/asm/xml/SAXAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-  
jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-  
jar/org/objectweb/asm/xml/SAXFieldAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-  
jar/org/objectweb/asm/xml/Processor.java  
\* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-  
jar/org/objectweb/asm/xml/SAXClassAdapter.java  
\* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-  
jar/org/objectweb/asm/xml/ASMContentHandler.java  
\* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-  
jar/org/objectweb/asm/xml/SAXCodeAdapter.java

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```
/**
 * Constructs a new {@link ClassNode}. Subclasses must not use this
 * constructor. Instead, they must use the {@link #ClassNode(int)}
 * version.
 *
 * @throws IllegalStateException
 *         If a subclass calls this constructor.
 */
```

Found in path(s):

```
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 */
/**
 * Creates a new {@link GeneratorAdapter}. Subclasses must not use this
 * constructor. Instead, they must use the
 * {@link #GeneratorAdapter(int, MethodVisitor, int, String, String)}
 * version.
 */
```



```
*
* @param mv
*     the method visitor to which this adapter delegates calls.
* @param access
*     the method's access flags (see { @link Opcodes }).
* @param name
*     the method's name.
* @param desc
*     the method's descriptor (see { @link Type Type }).
* @throws IllegalStateException
*     If a subclass calls this constructor.
*/
```

Found in path(s):

```
*/opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/commons/GeneratorAdapter.java
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- \* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/commons/Method.java
- \* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/optimizer/AnnotationConstantsCollector.java
- \* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/util/TraceSignatureVisitor.java
- \* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/AbstractInsnNode.java
- \* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
- \* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/FieldWriter.java
- \* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/util/TraceClassVisitor.java
- \* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/optimizer/MethodConstantsCollector.java
- \* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/analysis/BasicValue.java
- \* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/ClassVisitor.java
- \* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/IntInsnNode.java
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- \* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/LineNumberNode.java
- \* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/AnnotationNode.java
- \* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/optimizer/Constant.java
- \* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/Context.java
- \* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/analysis/AnalyzerException.java
- \* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/VarInsnNode.java
- \* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/util/TraceFieldVisitor.java
- \* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/LookupSwitchInsnNode.java
- \* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-jar/org/objectweb/asm/tree/analysis/SourceValue.java
- \* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-

jar/org/objectweb/asm/optimizer/ConstantPool.java  
\* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-  
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\* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-  
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jar/org/objectweb/asm/Edge.java  
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jar/org/objectweb/asm/commons/RemappingSignatureAdapter.java  
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jar/org/objectweb/asm/util/ASMifiable.java

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jar/org/objectweb/asm/commons/package.html

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jar/org/objectweb/asm/tree/package.html

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jar/org/objectweb/asm/TypePath.java
*/opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/TypeReference.java
```

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* THE POSSIBILITY OF SUCH DAMAGE.
*/
/**
 * Constructs a new {@link Textifier}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the {@link #Textifier(int)}
 * version.
 *
 * @throws IllegalStateException
 *         If a subclass calls this constructor.
 */

```

Found in path(s):

```

* /opt/ws_local/PERMITS_SQL/1073269102_1595440672.31/0/asm-5-0-3-sources-2-
jar/org/objectweb/asm/util/Textifier.java

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\*/

/\*\*

\* Creates a new { @link AnalyzerAdapter}. *Subclasses must not use this*

\* constructor*.* Instead, they must use the

\* { @link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}

\* version.

\*

\* @param owner

\* the owner's class name.

\* @param access

\* the method's access flags (see { @link Opcodes}).

\* @param name

\* the method's name.

\* @param desc

\* the method's descriptor (see { @link Type Type}).

\* @param mv

\* the method visitor to which this adapter delegates calls. May

\* be `<tt>null</tt>`.

\* @throws IllegalStateException

\* If a subclass calls this constructor.

\*/

Found in path(s):

\* /opt/ws\_local/PERMITS\_SQL/1073269102\_1595440672.31/0/asm-5-0-3-sources-2-  
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Other developers who have contributed code are:

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Format: <http://www.debian.org/doc/packaging-manuals/copyright-format/1.0/>

Upstream-Name: XZ Utils

Upstream-Contact:

Lasse Collin <lasse.collin@tukaani.org>

<http://tukaani.org/xz/lists.html>

Source:

<http://tukaani.org/xz>

<http://git.tukaani.org/xz.git>

Comment:

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From: Lasse Collin <lasse.collin@tukaani.org>

To: Jonathan Nieder <jrnieder@gmail.com>

Subject: Re: XZ utils for Debian

Date: Sun, 19 Jul 2009 13:28:23 +0300

Message-Id: <200907191328.23816.lasse.collin@tukaani.org>

.  
[...]

.  
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> dos/README, windows/README

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src/liblzma/check/crc64\_table\_?e.h

src/liblzma/lzma/fastpos\_table.c

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changelog.gz (commit 975d8fd) explains:

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Other-Authors: Roland McGrath, Akim Demaille, Paul Eggert,

David Mackenzie, Bruno Haible, and many others.

Origin: configure.ac from XZ Utils,

visibility.m4 serial 1 (gettext-0.15),

Autoconf 2.52g

License: config-h

configure.ac:

```
.
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.
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dos/config.h was generated with autoheader, which tells Autoconf to
output a script to generate a config.h file and then runs it.
```

Files: po/Makevars

Origin: gettext-runtime/po/Makevars (gettext-0.12)

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Authors: Bruno Haible

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Julian Seward, jseward@bzip.org  
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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the

Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

- a) The modified work must itself be a software library.
- b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.
- c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.
- d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility



is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work

under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is

normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

- a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.
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To apply these terms, attach the following notices to the library. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.

<one line to give the library's name and a brief idea of what it does.>

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Also add information on how to contact you by electronic and paper mail.

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Yoyodyne, Inc., hereby disclaims all copyright interest in the library `Frob' (a library for tweaking knobs) written by James Random Hacker.

<signature of Ty Coon>, 1 April 1990

Ty Coon, President of Vice

That's all there is to it!

@ignore

@c Set file name and title for man page.

@setfilename gpl

@settitle GNU General Public License

@c man begin SEEALSO

gfdl(7), fsf-funding(7).

@c man end

@c man begin COPYRIGHT

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@c man end

@end ignore

@node Copying

@c man begin DESCRIPTION

@unnumbered GNU General Public License

@center Version 3, 29 June 2007

@c This file is intended to be included in another file.

@display

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Some devices are designed to deny users access to install or run modified versions of the software inside them, although the manufacturer can do so. This is fundamentally incompatible with the aim of protecting users' freedom to change the software. The systematic pattern of such abuse occurs in the area of products for individuals to use, which is precisely where it is most unacceptable. Therefore, we have designed this version of the GPL to prohibit the practice for those products. If such problems arise substantially in other domains, we stand ready to extend this provision to those domains in future versions of the GPL, as needed to protect the freedom of users.

Finally, every program is threatened constantly by software patents. States should not allow patents to restrict development and use of software on general-purpose computers, but in those that do, we wish to avoid the special danger that patents applied to a free program could make it effectively proprietary. To prevent this, the GPL assures that patents cannot be used to render the program non-free.

The precise terms and conditions for copying, distribution and modification follow.

@heading TERMS AND CONDITIONS

@enumerate 0

@item Definitions.

``This License" refers to version 3 of the GNU General Public License.

``Copyright" also means copyright-like laws that apply to other kinds of works, such as semiconductor masks.

``The Program" refers to any copyrightable work licensed under this License. Each licensee is addressed as ``you". ``Licensees" and ``recipients" may be individuals or organizations.

To ``modify" a work means to copy from or adapt all or part of the work in a fashion requiring copyright permission, other than the making of an exact copy. The resulting work is called a ``modified version" of the earlier work or a work ``based on" the earlier work.

A ``covered work" means either the unmodified Program or a work based on the Program.

To ``propagate" a work means to do anything with it that, without permission, would make you directly or secondarily liable for infringement under applicable copyright law, except executing it on a computer or modifying a private copy. Propagation includes copying, distribution (with or without modification), making available to the public, and in some countries other activities as well.

To ``convey" a work means any kind of propagation that enables other parties to make or receive copies. Mere interaction with a user through a computer network, with no transfer of a copy, is not conveying.

An interactive user interface displays ``Appropriate Legal Notices" to the extent that it includes a convenient and prominently visible feature that (1) displays an appropriate copyright notice, and (2) tells the user that there is no warranty for the work (except to the extent that warranties are provided), that licensees may convey the work under this License, and how to view a copy of this License. If the interface presents a list of user commands or options, such as a menu, a prominent item in the list meets this criterion.

@item Source Code.

The ``source code" for a work means the preferred form of the work for making modifications to it. ``Object code" means any non-source form of a work.

A ``Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

The ``System Libraries" of an executable work include anything, other than the work as a whole, that (a) is included in the normal form of packaging a Major Component, but which is not part of that Major Component, and (b) serves only to enable use of the work with that

Major Component, or to implement a Standard Interface for which an implementation is available to the public in source code form. A "Major Component", in this context, means a major essential component (kernel, window system, and so on) of the specific operating system (if any) on which the executable work runs, or a compiler used to produce the work, or an object code interpreter used to run it.

The "Corresponding Source" for a work in object code form means all the source code needed to generate, install, and (for an executable work) run the object code and to modify the work, including scripts to control those activities. However, it does not include the work's System Libraries, or general-purpose tools or generally available free programs which are used unmodified in performing those activities but which are not part of the work. For example, Corresponding Source includes interface definition files associated with source files for the work, and the source code for shared libraries and dynamically linked subprograms that the work is specifically designed to require, such as by intimate data communication or control flow between those subprograms and other parts of the work.

The Corresponding Source need not include anything that users can regenerate automatically from other parts of the Corresponding Source.

The Corresponding Source for a work in source code form is that same work.

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Conveying under any other circumstances is permitted solely under the

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You may charge any price or no price for each copy that you convey, and you may offer support or warranty protection for a fee.

@item Conveying Modified Source Versions.

You may convey a work based on the Program, or the modifications to produce it from the Program, in the form of source code under the terms of section 4, provided that you also meet all of these conditions:

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The work must carry prominent notices stating that you modified it, and giving a relevant date.

@item

The work must carry prominent notices stating that it is released under this License and any conditions added under section 7. This requirement modifies the requirement in section 4 to ``keep intact all

notices".

@item

You must license the entire work, as a whole, under this License to anyone who comes into possession of a copy. This License will therefore apply, along with any applicable section 7 additional terms, to the whole of the work, and all its parts, regardless of how they are packaged. This License gives no permission to license the work in any other way, but it does not invalidate such permission if you have separately received it.

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If the work has interactive user interfaces, each must display Appropriate Legal Notices; however, if the Program has interactive interfaces that do not display Appropriate Legal Notices, your work need not make them do so.

@end enumerate

A compilation of a covered work with other separate and independent works, which are not by their nature extensions of the covered work, and which are not combined with it such as to form a larger program, in or on a volume of a storage or distribution medium, is called an "aggregate" if the compilation and its resulting copyright are not used to limit the access or legal rights of the compilation's users beyond what the individual works permit. Inclusion of a covered work in an aggregate does not cause this License to apply to the other parts of the aggregate.

@item Conveying Non-Source Forms.

You may convey a covered work in object code form under the terms of sections 4 and 5, provided that you also convey the machine-readable Corresponding Source under the terms of this License, in one of these ways:

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Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by the Corresponding Source fixed on a durable physical medium customarily used for software interchange.

@item

Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the

Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

@item

Convey individual copies of the object code with a copy of the written offer to provide the Corresponding Source. This alternative is allowed only occasionally and noncommercially, and only if you received the object code with such an offer, in accord with subsection 6b.

@item

Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

@item

Convey the object code using peer-to-peer transmission, provided you inform other peers where the object code and Corresponding Source of the work are being offered to the general public at no charge under subsection 6d.

@end enumerate

A separable portion of the object code, whose source code is excluded from the Corresponding Source as a System Library, need not be included in conveying the object code work.

A "User Product" is either (1) a "consumer product", which means any tangible personal property which is normally used for personal, family, or household purposes, or (2) anything designed or sold for incorporation into a dwelling. In determining whether a product is a consumer product, doubtful cases shall be resolved in favor of coverage. For a particular product received by a particular user, "normally used" refers to a typical or common use of that class of product, regardless of the status of the particular user or of the way in which the particular user actually uses, or expects or is expected

to use, the product. A product is a consumer product regardless of whether the product has substantial commercial, industrial or non-consumer uses, unless such uses represent the only significant mode of use of the product.

“Installation Information” for a User Product means any methods, procedures, authorization keys, or other information required to install and execute modified versions of a covered work in that User Product from a modified version of its Corresponding Source. The information must suffice to ensure that the continued functioning of the modified object code is in no case prevented or interfered with solely because modification has been made.

If you convey an object code work under this section in, or with, or specifically for use in, a User Product, and the conveying occurs as part of a transaction in which the right of possession and use of the User Product is transferred to the recipient in perpetuity or for a fixed term (regardless of how the transaction is characterized), the Corresponding Source conveyed under this section must be accompanied by the Installation Information. But this requirement does not apply if neither you nor any third party retains the ability to install modified object code on the User Product (for example, the work has been installed in ROM).

The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

Corresponding Source conveyed, and Installation Information provided, in accord with this section must be in a format that is publicly documented (and with an implementation available to the public in source code form), and must require no special password or key for unpacking, reading or copying.

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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Version 3, 29 June 2007

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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) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
# encoding: utf-8
from antlr4 import *
from io import StringIO

<namedActions.header>
<parser>

>>

```

```

ListenerFile(file, header) ::= <<
<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">

>>

```

```

VisitorFile(file, header) ::= <<
<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)>
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> ]

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

    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):

```

```

super().__init__(input)
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>
<!_errHandler.sync(this);!>
<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>
    }; separator="\nel">
else:
    <error>

>>

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

>>

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
self.state = <choice.stateNumber>
<!_errHandler.sync(this);!>
<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>
<!_errHandler.sync(this);!>
<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>
<!_errHandler.sync(this);!>
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:{l | <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.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) ::= <<  
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) ::= "(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) ::= "getInvokingContext(<s.ruleIndex>).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::= "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,  
    superClass={ParserRuleContext}) ::= <<  
class <struct.name>(<superClass>):
```

```
    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

<namedActions.header>

<lexer>
>>

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<

<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) ]

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

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

    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):
    super().__init__(input)
    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) ::= <<
<javaTypeInitMap.(typeName)>
>>

codeFileExtension() ::= ".py"

Found in path(s):
* /opt/cola/permits/1110777897_1606852443.38/0/antlr4-4-5-1-sources-
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- \*/

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

@header {
package organtlr.v4.parse;
import organtlr.v4.misc.Utils;
import organtlr.v4.misc.*;
import organtlr.v4.tool.*;
import organtlr.v4.tool.ast.*;
import java.util.List;
import java.util.Set;
import java.util.HashSet;
import java.util.ArrayList;
import organtlr.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/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/parse/BlockSetTransformer.g

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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?
  ({!((CommonTree)input.LT(1)).getText().equals(ruleName)}? 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/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/parse/LeftRecursiveRuleWalker.g

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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/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/tool/templates/messages/formats/antlr.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.
```

```
*/
```

```
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) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
var antlr4 = require('antlr4/index');
<if(file.genListener)>
var <file.grammarName>Listener = require('./<file.grammarName>Listener').<file.grammarName>Listener;
<endif>
<if(file.genVisitor)>
var <file.grammarName>Visitor = require('./<file.grammarName>Visitor').<file.grammarName>Visitor;
<endif>
```

```
<namedActions.header>
```

```
<parser>
```

```
>>
```

```
ListenerFile(file, header) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
var antlr4 = require('antlr4/index');
```

```
// This class defines a complete listener for a parse tree produced by <file.parserName>.
```

```
function <file.grammarName>Listener() {
  antlr4.tree.ParseTreeListener.call(this);
  return this;
}
```

```
<file.grammarName>Listener.prototype = Object.create(antlr4.tree.ParseTreeListener.prototype);
```



```

<file.grammarName>Listener.prototype.constructor = <file.grammarName>Listener;

<file.listenerNames:{lname |
// Enter a parse tree produced by <file.parserName>#<lname>.
<file.grammarName>Listener.prototype.enter<lname; format="cap"> = function(ctx) {
\};

// Exit a parse tree produced by <file.parserName>#<lname>.
<file.grammarName>Listener.prototype.exit<lname; format="cap"> = function(ctx) {
\};

}; separator="\n">

exports.<file.grammarName>Listener = <file.grammarName>Listener;
>>

VisitorFile(file, header) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
var antlr4 = require('antlr4/index');
<header>

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

function <file.grammarName>Visitor() {
  antlr4.tree.ParseTreeVisitor.call(this);
  return this;
}

<file.grammarName>Visitor.prototype = Object.create(antlr4.tree.ParseTreeVisitor.prototype);
<file.grammarName>Visitor.prototype.constructor = <file.grammarName>Visitor;

<file.visitorNames:{lname |
// Visit a parse tree produced by <file.parserName>#<lname>.
<file.grammarName>Visitor.prototype.visit<lname; format="cap"> = function(ctx) {
\};

}; separator="\n">

exports.<file.grammarName>Visitor = <file.grammarName>Visitor;
>>

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

```

```

Parser(parser, funcs, atn, sempredFuncs, superClass) ::= <<
<if(superClass)>
var <superClass> = require('./<superClass>').<superClass>;
<endif>

var grammarFileName = "<parser.grammarFileName; format='java-escape'>";

<atn>

var atn = new antlr4.atn.ATNDeserializer().deserialize(serializedATN);

var decisionsToDFA = atn.decisionToState.map( function(ds, index) { return new antlr4.dfa.DFA(ds, index); });

var sharedContextCache = new antlr4.PredictionContextCache();

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

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

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

function <parser.name> (input) {
<superClass; null="antlr4.Parser">.call(this, input);
  this._interp = new antlr4.atn.ParserATNSimulator(this, atn, decisionsToDFA, sharedContextCache);
  this.ruleNames = ruleNames;
  this.literalNames = literalNames;
  this.symbolicNames = symbolicNames;
  <namedActions.members>
  return this;
}

<parser.name>.prototype = Object.create(<superClass; null="antlr4.Parser">.prototype);
<parser.name>.prototype.constructor = <parser.name>;

Object.defineProperty(<parser.name>.prototype, "atn", {
  get : function() {
    return atn;
  }
});

<parser.name>.EOF = antlr4.Token.EOF;
<if(parser.tokens)>
<parser.tokens: {k | <parser.name>.<k> = <parser.tokens.(k)>}; separator="\n", wrap, anchor>
<endif>

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

<funcs; separator="\n">

```

```

<if(sempredFuncs)>
<parser.name>.prototype.sempred = function(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>

```

```

exports.<parser.name> = <parser.name>;

```

```

>>

```

```

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(parser)><parser.name><else><lexer.name><endif>.prototype.<r.name>_sempred = function(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)
::= <<

<ruleCtx>

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

<! Define fields of this parser to export the context classes !>
<parser.name>.<currentRule.ctxType> = <currentRule.ctxType>;

<parser.name>.prototype.<currentRule.name> = function(<currentRule.args:{a | <a.name>}; separator=", ">) {

  var 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) ::=

```

<<

```

<ruleCtx>

```

```

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

```

```

<parser.name>.prototype.<currentRule.name> = function(_p<if(currentRule.args)>, <args:{a | , <a>}><endif>) {

```

```

  if(_p===undefined) {

```

```

    _p = 0;

```

```

  }

```

```

  var _parentctx = this._ctx;

```

```

  var _parentState = this.state;

```

```

  var localctx = new <currentRule.ctxType>(this, this._ctx, _parentState<args:{a | , <a.name>}>);

```

```

  var _prevctx = localctx;

```

```

  var _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>;
< !_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>;
< !_errHandler.sync(this);!>
switch (this._input.LA(1)) {

```

```

<choice.altLook,alts:{look,alt| <cases(ttypes=look)>
  <alt>
  break;}; separator="\n">
default:
  <error>
}
>>

```

```

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<
this.state = <choice.stateNumber>;
<!--_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>;
<!--_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>;
<!_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><argExprsChunks>;
```

```
>>
```

```
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.consume();
```

```
}
```

```
>>
```

```
Wildcard(w) ::= <<
```

```
this.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) ::= <<
```

```
this.state = <p.stateNumber>;
```

```
if (!( <chunks>)) {
```

```
  throw new antlr4.error.FailedPredicateException(this, <p.predicate><if(failChunks)>,</if>
```

```
<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) ::= "this._type = <arg>"
LexerChannelCommand(arg) ::= "this._channel = <arg>"
LexerModeCommand(arg) ::= "this._mode = <arg>"
LexerPushModeCommand(arg) ::= "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) ::= "getInvokingContext(<s.ruleIndex>).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::= "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> = function() {
  return this.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) ::= <<
<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> = function() {
  return this.getTypedRuleContext(<r.ctxName>,0);
};
>>

```

```

// should never be called
ContextRuleListGetterDecl(r) ::= <<
def <r.name>_list(self):
    return self.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,
    superClass={ antlr4.ParserRuleContext }) ::= <<
function <struct.name>(parser, parent, invokingState<struct.ctorAttrs:{a | , <a.name>}> ) {
    if(parent===undefined) {
        parent = null;
    }
    if(invokingState===undefined || invokingState===null) {
        invokingState = -1;
    }
    <superClass>.call(this, 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">
    return this;
}

```

```

<struct.name>.prototype = Object.create(<superClass>.prototype);
<struct.name>.prototype.constructor = <struct.name>;

```

```

<getters:{ g | <struct.name>.prototype.<g>}; separator="\n\n">

```

```

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

```

```

<struct.name>.prototype.copyFrom = function(ctx) {
  <superClass>.prototype.copyFrom.call(this, ctx);
  <struct.attrs:{ a | this.<a.name> = ctx.<a.name>;}; separator="\n">
};

```

```

<endif>

```

```

<dispatchMethods; separator="\n">

```

```

<extensionMembers; separator="\n">

```

```

>>

```

```

AltLabelStructDecl(struct,attrs,getters,dispatchMethods) ::= <<

```

```

function <struct.name>(parser, ctx) {
  <currentRule.name; format="cap">Context.call(this, parser);
  <attrs:{ a | <a>}; separator="\n">
  <currentRule.name; format="cap">Context.prototype.copyFrom.call(this, ctx);
  return this;
}

```

```

<struct.name>.prototype = Object.create(<currentRule.name; format="cap">Context.prototype);

```

```

<struct.name>.prototype.constructor = <struct.name>;

```

```

<! Define fields of this parser to export this struct/context class !>

```

```

<parser.name>.<struct.name> = <struct.name>;

```

```

<getters:{ g | <struct.name>.prototype.<g>}; separator="\n\n">

```

```

<dispatchMethods; separator="\n">

```

```

>>

```

```

ListenerDispatchMethod(method) ::= <<

```

```

<struct.name>.prototype.<if(method.isEnter)>enter<else>exit<endif>Rule = function(listener) {
  if(listener instanceof <parser.grammarName>Listener ) {
    listener.<if(method.isEnter)>enter<else>exit<endif><struct.derivedFromName; format="cap">(this);
  }
};

```

```

>>

```

```

VisitorDispatchMethod(method) ::= <<
<struct.name>.prototype.accept = function(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)>
var antlr4 = require('antlr4/index');
```

```
<namedActions.header>
```

```
<lexer>
```

>>

```
Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<
```

```
<atn>
```

```
var atn = new antlr4.atn.ATNDeserializer().deserialize(serializedATN);
```

```
var decisionsToDFA = atn.decisionToState.map( function(ds, index) { return new antlr4.dfa.DFA(ds, index); });
```

```
function <lexer.name>(input) {
  <if(superClass)><superClass><else>antlr4.Lexer<endif>.call(this, input);
  this._interp = new antlr4.atn.LexerATNSimulator(this, atn, decisionsToDFA, new
  antlr4.PredictionContextCache());
  return this;
}
```

```
<lexer.name>.prototype = Object.create(<if(superClass)><superClass><else>antlr4.Lexer<endif>.prototype);
```

```
<lexer.name>.prototype.constructor = <lexer.name>;
```

```
<lexer.name>.EOF = antlr4.Token.EOF;
```

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

```
<rest(lexer.modes):{m| <lexer.name>.<m> = <i>; separator="\n">
```

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

```
<lexer.name>.literalNames = [ <lexer.literalNames: {t | <t>}; null="null", separator=", ", wrap, anchor > ];
```

```
<lexer.name>.symbolicNames = [ <lexer.symbolicNames: {t | <t>}; null="null", separator=", ", wrap, anchor > ];
```



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

```
<lexer.name>.grammarFileName = "<lexer.grammarFileName>";
```

```
<namedActions.members>
```

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

```
exports.<lexer.name> = <lexer.name>;
```

```
>>
```

```
SerializedATN(model) ::= <<
```

```
<! only one segment, can be inlined !>
```

```
var 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) ::= <<
```

```
<javaTypeInitMap.(typeName)>
```

```
>>
```

```
codeFileExtension() ::= ".js"
```

```
Found in path(s):
```

```
* /opt/cola/permits/1110777897_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/tool/templates/codegen/JavaScript/JavaScript.stg
```

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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/1110777897_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/parse/ActionSplitter.g
```

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```
/*
```

```
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```
*/
```

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\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/parse/ANTLRLexer.java  
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/\*

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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.Util;

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)
```

```
;
```

```
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```

```
* /opt/cola/permits/1110777897_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/SourceGenTriggers.g
```

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```

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```

```
*/
```

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

```

ParserFile(file, parser, namedActions) ::= <<
<fileHeader(file.grammarFileName, file.ANTLRVersion)>
<if(file.genPackage)>
namespace <file.genPackage> {
<endif>
<namedActions.header>
using System;
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) ::= <<
<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<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) ::= <<
<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.CLSCompliant(false)]
public partial class <file.grammarName>BaseListener : I<file.grammarName>Listener {
<file.listenerNames; {lname |
/// \<summary>
/// Enter a parse tree produced by \<see cref="<csIdentifier.(file.parserName)>.<csIdentifier.(lname)>">.
/// \<para>The default implementation does nothing.\</para>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
public virtual void Enter<lname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<lname;

```

```

format="cap">Context context) { \}
/// \<summary>
/// Exit a parse tree produced by \<see cref="<csIdentifier.(file.parserName)>.<csIdentifier.(Iname)>"/>.
/// \<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) ::= <<
<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><lname>\</c>
/// labeled alternative in \<see cref="<file.parserName>.<file.visitorLabelRuleNames.(lname)>">.
<else>
/// Visit a parse tree produced by \<see cref="<file.parserName>.<lname>">.
<endif>
/// \</summary>
/// \<param name="context">The parse tree.\</param>
/// \<return>The visitor result.\</return>
Result Visit<lname; format="cap">([NotNull] <csIdentifier.(file.parserName)>.<lname; format="cap">Context
context);}; separator="\n">
}
<if(file.genPackage)>
} // namespace <file.genPackage>
<endif>
>>

```

```

BaseVisitorFile(file, header) ::= <<
<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.CLSCompliant(false)]
public partial class <file.grammarName>BaseVisitor<Result> : AbstractParseTreeVisitor<Result>,
I<file.grammarName>Visitor<Result> {
    <file.visitorNames>{ lname |
/// \<summary>
/// Visit a parse tree produced by \<see cref="<csIdentifier.(file.parserName)>.<csIdentifier.(lname)>">.
/// \<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

>>

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"> {
<if(parser.tokens)>
public const int
<parser.tokens:{k | <k>=<parser.tokens.(k)>}; separator=", ", wrap, anchor>;
<endif>
public const int
<parser.rules:{r | RULE_<r.name> = <r.index>}; separator=", ", wrap, anchor>;
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 _serializedATN; } }

<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)
: base(input)
{
    Interpreter = new ParserATNSimulator(this, _ATN);
}
>>

```

/\* 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:
<error>
}
>>

```

```

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.InvalidAltNumber ) {
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.InvalidAltNumber );
>>

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:{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 {
  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) ::= "_type = <tokenType.(arg)>";
LexerChannelCommand(arg) ::= "_channel = <channelName.(arg)>";
LexerModeCommand(arg) ::= "_mode = <modeName.(arg)>";
LexerPushModeCommand(arg) ::= "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) ::=
    "public ITerminalNode <csIdentifier.(tokenType.(t.name))>() { return
GetToken(<csIdentifier.(parser.name)>.<csIdentifier.(tokenType.(t.name))>, 0); }"
ContextTokenListGetterDecl(t) ::= <<
public <contextGetterCollection("ITerminalNode")> <csIdentifier.(tokenType.(t.name))>() { return
GetTokens(<csIdentifier.(parser.name)>.<csIdentifier.(tokenType.(t.name))>); }
>>
ContextTokenListIndexedGetterDecl(t) ::= <<
public ITerminalNode <csIdentifier.(tokenType.(t.name))>(int i) {
return GetToken(<csIdentifier.(parser.name)>.<csIdentifier.(tokenType.(t.name))>, i);
}
>>
ContextRuleGetterDecl(r) ::= <<
public <r.ctxName> <csIdentifier.(r.name)>() {
return GetRuleContext<<r.ctxName>>()();
}
>>
ContextRuleListGetterDecl(r) ::= <<
public <contextGetterCollection({<r.ctxName>})> <csIdentifier.(r.name)>() {
return GetRuleContexts<<r.ctxName>>()();
}
>>
ContextRuleListIndexedGetterDecl(r) ::= <<
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> : <superClass><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) ::= <<
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) ::= <<
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 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"> {
    public const int
        <lexer.tokens:{k | <tokenType.(k)>=<lexer.tokens.(k)>}; separator=", ", wrap, anchor>;
    <if(lexer.channels)>
    public const int
        <lexer.channels:{k | <csIdentifier.(k)>=<lexer.channels.(k)>}; separator=", ", wrap, anchor>;
    <endif>

```

```

<rest(lexer.modes):{m| public const int <modeName.(m)> = <i>; separator="\n">
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)
  : base(input)
  {
    Interpreter = new LexerATNSimulator(this,_ATN);
  }

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

public override string GrammarFileName { get { return "<lexer.grammarFileName>"; } }

public override string[] RuleNames { get { return ruleNames; } }

public override string[] ModeNames { get { return modeNames; } }

public override string SerializedAtn { get { return _serializedATN; } }

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

SerializedATN(model) ::= <<
public static readonly string _serializedATN =
  "<model.serialized; wrap={"+<\n><\t>"}>";
public static readonly ATN _ATN =
  new ATNDeserializer().Deserialize(_serializedATN.ToCharArray());
>>

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",
"void" : "@void",
"volatile" : "@volatile",
"while" : "@while",
default : key
]
```

Found in path(s):



```
* /opt/cola/permits/1110777897_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/tool/templates/codegen/CSharp/CSharp.stg
```

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

```
/*
```

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

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```

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* Copyright (c) 2012 Sam Harwell
```

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*
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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 { SEMPREP; 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.*;  
}
```

```
@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.setCharacterPositionInLine(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-\uEFFFD] ;

```

// -----

// 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, where x

```

```

// is a valid hexadecimal number (as per Java basically).
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

    | // An illegal escape sequence
      //
      {
        Token t = new CommonToken(input, state.type, state.channel, getCharIndex()-1, getCharIndex());
        t.setText(t.getText());
        t.setLine(input.getLine());
        t.setCharPositionInLine(input.getCharPositionInLine()-1);
        grammarError(ErrorType.INVALID_ESCAPE_SEQUENCE, t);
      }
  )
;

```

```
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) {
```

```
            Token t = new CommonToken(input, state.type, state.channel, getCharIndex()-3-hCount, getCharIndex()-
```

```

1);
    t.setText(t.getText());
    t.setLine(input.getLine());
    t.setCharPositionInLine(input.getCharPositionInLine()-hCount-2);
    grammarError(ErrorType.INVALID_ESCAPE_SEQUENCE, t);
}
}
;

// -----
// 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 gramamr 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/1110777897_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/parse/ANTLRLexer.g
```

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

```
/*
```

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

```
* Copyright (c) 2012 Terence Parr
```

```
* Copyright (c) 2012 Sam Harwell
```

```
* Copyright (c) 2014 Eric Vergnaud
```

```
* All rights reserved.
```

```

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

```

```
<namedActions.header>
```

```
<parser>
```

```
>>
```

```
ListenerFile(file, header) ::= <<
```

```
<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) ::= <<
```

```
<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)>
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> ]

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

    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):
    super(<parser.name>, self).__init__(input)
    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>
< !_errHandler.sync(this);!>
<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>
}; separator="\nel">
else:
    <error>

>>

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

LL1OptionalBlockSingleAlt(choice, expr, alts, preamble, error, followExpr) ::= <<

```



```

self.state = <choice.stateNumber>
<!_errHandler.sync(this);!>
<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>
<!_errHandler.sync(this);!>
<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>  
<!_errHandler.sync(this);!>  
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.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) ::= <<
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) ::= "(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) ::= "getInvokingContext(<s.ruleIndex>).<s.name>"
SetNonLocalAttr(s, rhsChunks) ::= "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,
          superClass={ParserRuleContext}) ::= <<
class <struct.name>(<superClass>):

    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

```

```

<namedActions.header>

```

```

<lexer>
>>

```

```

Lexer(lexer, atn, actionFuncs, sempredFuncs, superClass) ::= <<

```

```

<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) ]

```

```

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

```

```

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

```

```

    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):
    super(<lexer.name>, self).__init__(input)
    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) ::= <<
<javaTypeInitMap.(typeName)>
>>

codeFileExtension() ::= ".py"

Found in path(s):
* /opt/cola/permits/1110777897_1606852443.38/0/antlr4-4-5-1-sources-
jar/org/antlr/v4/tool/templates/codegen/Python2/Python2.stg
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\*/

Found in path(s):

\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/parse/ATNBuilder.java

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\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/parse/GrammarTreeVisitor.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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*/
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/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/parse/ATNBuilder.g

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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/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/tool/templates/messages/formats/vs2005.stg

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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/1110777897_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/tool/templates/depend.stg
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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/1110777897_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/tool/templates/dot/graphs.stg
```

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```

* /opt/cola/permits/1110777897_1606852443.38/0/antlr4-4-5-1-sources-
jar/org/antlr/v4/codegen/model/Recognizer.java
* /opt/cola/permits/1110777897_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/parse/GrammarToken.java

```

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\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/ActionTranslator.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/tool/LabelElementPair.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/tool/ast/GrammarASTVisitor.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/gui/SystemFontMetrics.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/model/chunk/LabelRef.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/tool/Grammar.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/model/AltBlock.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/codegen/model/Loop.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/model/decl/ContextTokenGetterDecl.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/tool/ast/GrammarASTWithOptions.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/model/LexerFile.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/model/VisitorDispatchMethod.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/tool/templates/codegen/Java/Java.stg  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/model/MatchSet.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/CodeGenPipeline.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/model/chunk/ThisRulePropertyRef\_text.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/tool/ast/NotAST.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/tool/ANTLRMessage.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/model/ArgAction.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/model/LL1OptionalBlockSingleAlt.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-

jar/org/antlr/v4/codegen/model/LL1Choice.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef\_text.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/semantics/ActionSniffer.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/tool/ast/GrammarAST.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/model/chunk/ActionChunk.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/model/decl/RuleContextListDecl.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/model/CodeBlockForAlt.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/model/decl/ContextRuleListIndexedGetterDecl.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/tool/ast/RuleAST.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/model/decl/StructDecl.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/semantics/SymbolChecks.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/OutputModelWalker.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/tool/ast/RuleRefAST.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/model/MatchToken.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/parse/TokenVocabParser.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/tool/ast/GrammarRootAST.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/model/decl/AttributeDecl.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/tool/ErrorSeverity.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/gui/BasicFontMetrics.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/tool/ast/PredAST.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/tool/ast/OptionalBlockAST.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/model/decl/TokenDecl.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/model/chunk/SetAttr.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/parse/ToolANTLRParser.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/OutputModelFactory.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef\_channel.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/tool/LabelType.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-  
jar/org/antlr/v4/codegen/model/chunk/ActionTemplate.java

\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/tool/ast/PlusBlockAST.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/tool/AttributeDict.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/codegen/model/chunk/ListLabelRef.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/codegen/model/StarBlock.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef\_index.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/codegen/model/chunk/RetValRef.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/codegen/model/ThrowEarlyExitException.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/tool/ast/BlockAST.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/codegen/model/decl/ContextRuleGetterDecl.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/codegen/target/JavaTarget.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/codegen/model/ParserFile.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/codegen/model/dbg.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/codegen/model/decl/Decl.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/tool/ast/SetAST.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/semantics/UseDefAnalyzer.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/analysis/LeftRecursiveRuleAnalyzer.java  
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\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/codegen/model/BaseListenerFile.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/codegen/model/TestSetInline.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/misc/FrequencySet.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/codegen/model/decl/ContextGetterDecl.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/codegen/model/LL1PlusBlockSingleAlt.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/semantics/AttributeChecks.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/codegen/model/chunk/QRetValueRef.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/codegen/model/CaptureNextToken.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/gui/TreeTextProvider.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/codegen/model/decl/TokenListDecl.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef\_line.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/misc/OrderedHashMap.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/automata/ATNVisitor.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef\_pos.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/codegen/model/chunk/TokenPropertyRef\_type.java  
\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/codegen/model/ThrowRecognitionException.java  
No license file was found, but licenses were detected in source scan.

/\*

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```

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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>

>>

Found in path(s):

\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-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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```

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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);}

| ^(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/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/parse/GrammarTreeVisitor.g

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/\*

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\*/

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/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/tool/templates/messages/formats/gnu.stg

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\* /opt/cola/permits/1110777897\_1606852443.38/0/antlr4-4-5-1-sources-jar/org/antlr/v4/codegen/target/CSharpTarget.java

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jar/net/minidev/asm/DynamicClassLoader.java
* /opt/cola/permits/1110825652_1611250456.32/0/accessors-smart-1-2-sources-jar/net/minidev/asm/Accessor.java
* /opt/cola/permits/1110825652_1611250456.32/0/accessors-smart-1-2-sources-
jar/net/minidev/asm/BeansAccess.java
* /opt/cola/permits/1110825652_1611250456.32/0/accessors-smart-1-2-sources-jar/net/minidev/asm/ASMUtil.java

```

## 1.829 org.apache.commons.fileupload

### commons-fileupload-1.4

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## 1.836 springsource-org-apache-xerces 2.9.1

### 1.836.1 Available under license :

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jar/org/apache/xerces/impl/dv/xs/DayDV.java  
* /opt/cola/permits/1110916671_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-  
jar/org/apache/xerces/impl/xs/traversers/XSDKeyrefTraverser.java  
* /opt/cola/permits/1110916671_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-  
jar/org/apache/xerces/impl/xs/XSModelGroupImpl.java  
* /opt/cola/permits/1110916671_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-  
jar/org/apache/xerces/impl/dv/xs/DateTimeDV.java  
* /opt/cola/permits/1110916671_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-  
jar/org/apache/xerces/impl/xs/traversers/XSDUniqueOrKeyTraverser.java  
* /opt/cola/permits/1110916671_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-  
jar/org/apache/xerces/impl/dv/xs/XSSimpleTypeDecl.java  
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jar/org/apache/xerces/impl/xs/XMLSchemaValidator.java  
* /opt/cola/permits/1110916671_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-  
jar/org/apache/xerces/impl/xs/traversers/XSAttributeChecker.java  
* /opt/cola/permits/1110916671_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-  
jar/org/apache/xerces/impl/dv/xs/TimeDV.java  
* /opt/cola/permits/1110916671_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-
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jar/org/apache/xerces/impl/dv/xs/DurationDV.java  
\* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-  
jar/org/apache/xerces/impl/dv/xs/YearMonthDV.java  
\* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-  
jar/org/apache/xerces/impl/dv/xs/MonthDV.java  
\* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-  
jar/org/apache/xerces/impl/dv/xs/MonthDayDV.java  
\* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-  
jar/org/apache/xerces/impl/dv/xs/AbstractDateTimeDV.java  
\* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-  
jar/org/apache/xerces/impl/dv/xs/YearDV.java  
\* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-  
jar/org/apache/xerces/impl/xs/traversers/XSDHandler.java  
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jar/org/apache/xerces/impl/dv/xs/DateDV.java

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/\*\*

\* Checks if this content model has had its min/maxOccurs values reduced for  
\* purposes of speeding up UPA. If so, this content model should not be used  
\* for any purpose other than checking unique particle attribution

\*

\* @return a boolean that says whether this content has been compacted for UPA

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\*/

/\*\*

\* used to check the 3 constraints against each complex type  
\* (should be each model group):  
\* Unique Particle Attribution, Particle Derivation (Restriction),  
\* Element Declarations Consistent.

\*/

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jar/org/apache/xerces/dom/DOMImplementationListImpl.java

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/\*\*

\* DOM Level 3 LS CR - Experimental.  
\* Create a new `LSParser`. The newly constructed parser may  
\* then be configured by means of its `DOMConfiguration`  
\* object, and used to parse documents by means of its `parse`  
\* method.  
\* @param mode The `mode` argument is either  
\* `MODE_SYNCHRONOUS` or `MODE_ASYNCHRONOUS`, if  
\* `mode` is `MODE_SYNCHRONOUS` then the  
\* `LSParser` that is created will operate in synchronous  
\* mode, if it's `MODE_ASYNCHRONOUS` then the

- \* `LSParser` that is created will operate in asynchronous
- \* mode.
- \* @param schemaType An absolute URI representing the type of the schema
- \* language used during the load of a `Document` using the
- \* newly created `LSParser`. Note that no lexical checking
- \* is done on the absolute URI. In order to create a
- \* `LSParser` for any kind of schema types (i.e. the
- \* `LSParser` will be free to use any schema found), use the value
- \* `null`.
- \* **Note:** For W3C XML Schema [[XML Schema Part 1](http://www.w3.org/TR/2001/REC-xmlschema-1-20010502/)]
- \* , applications must use the value
- \* `"http://www.w3.org/2001/XMLSchema"`. For XML DTD [[XML 1.0](http://www.w3.org/TR/2000/REC-xml-20001006/)],
- \* applications must use the value
- \* `"http://www.w3.org/TR/REC-xml"`. Other Schema languages
- \* are outside the scope of the W3C and therefore should recommend an
- \* absolute URI in order to use this method.
- \* @return The newly created `LSParser` object. This
- \* `LSParser` is either synchronous or asynchronous
- \* depending on the value of the `mode` argument.
- \* **Note:** By default, the newly created `LSParser`
- \* does not contain a `DOMErrorHandler`, i.e. the value of
- \* the "[error-handler](http://www.w3.org/TR/2003/WD-DOM-Level-3-Core-20030609/core.html#parameter-error-handler)"
- \* configuration parameter is `null`. However, implementations
- \* may provide a default error handler at creation time. In that case,
- \* the initial value of the `"error-handler"` configuration
- \* parameter on the new created `LSParser` contains a
- \* reference to the default error handler.
- \* @exception DOMException
- \* NOT\_SUPPORTED\_ERR: Raised if the requested mode or schema type is
- \* not supported.
- \*/

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- \* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/dom/CoreDOMImplementationImpl.java

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- \* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/dom/AttrImpl.java
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- \* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/impl/xs/opti/SchemaDOM.java
- \* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/impl/validation/EntityState.java
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- \* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/jaxp/validation/XSGrammarPoolContainer.java
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- \* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/dom/NotationImpl.java
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- \* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/wml/WMLBElement.java

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\* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/impl/dtd/XMLAttributeDecl.java

\* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/dom/DeferredAttrNSImpl.java

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```

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Found in path(s):

```
* /opt/cola/permits/1110916671_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-
jar/org/apache/xerces/impl/xs/models/XSDFACM.java
```

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/*
```

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- \* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/dom3/as/DOMASBuilder.java
- \* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/dom3/as/DOMASWriter.java
- \* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/dom3/as/AEntityDeclaration.java
- \* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/dom3/as/DOMASException.java
- \* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/dom3/as/ASNotationDeclaration.java
- \* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/dom3/as/ASObjectList.java
- \* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/dom3/as/DOMImplementationAS.java
- \* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/dom3/as/ASContentModel.java
- \* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/dom3/as/ASNamedObjectMap.java
- \* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/dom3/as/ElementEditAS.java
- \* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/dom3/as/NodeEditAS.java
- \* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/dom3/as/ASDataType.java
- \* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/dom3/as/DocumentAS.java
- \* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/dom3/as/ASObject.java
- \* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/dom3/as/CharacterDataEditAS.java
- \* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/dom3/as/ASElementDeclaration.java
- \* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/dom3/as/DocumentEditAS.java
- \* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/apache/xerces/dom3/as/ASModel.java

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\* /opt/cola/permits/1110916671\_1633387514.07/0/com-springsource-org-apache-xerces-2-9-1-sources-jar/org/w3c/dom/html/HTMLDOMImplementation.java

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## 1.837 hystrix-go fa1af6a1f

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This package was put together by Klee Dienes <klee@debian.org> from  
sources from <ftp.python.org:/pub/python>, based on the Debianization by  
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#### A. HISTORY OF THE SOFTWARE

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Python was created in the early 1990s by Guido van Rossum at Stichting  
Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands  
as a successor of a language called ABC. Guido remains Python's  
principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes
2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes

2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
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## 1.840 python3-asn1crypto 0.24.0-1

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```
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jar/org/apache/xml/serializer/HTMLEntities.properties  
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xml/serializer/output_text.properties  
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jar/org/apache/xml/serializer/Encodings.properties  
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jar/org/apache/xalan/res/XSLTInfo.properties  
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jar/org/apache/xml/serializer/XMLEntities.properties  
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jar/org/apache/xalan/xsltc/compiler/Makefile.inc  
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\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/ObjectFactory.java  
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\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xpath/functions/FunctionOneArg.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xml/dtm/ref/DTMChildIterNodeList.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xalan/transformer/TransformerHandlerImpl.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xalan/xsltc/compiler/util/MarkerInstruction.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xalan/xsltc/compiler/ObjectFactory.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xalan/xsltc/dom/SingleNodeCounter.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xml/utils/XMLStringDefault.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xalan/transformer/XSLInfiniteLoopException.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/functions/FuncId.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/NameSpace.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xalan/xsltc/runtime/InternalRuntimeError.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xpath/functions/FuncContains.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xalan/templates/ElemChoose.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/ExpressionOwner.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xml/dtm/ref/EmptyIterator.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xalan/xsltc/compiler/IllegalCharException.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xalan/trace/TraceListenerEx3.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xpath/objects/XStringForChars.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/QName.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xalan/transformer/TransformState.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xalan/xslt/EnvironmentCheck.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xalan/transformer/KeyTable.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xalan/trace/TraceListenerEx2.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/lib/ExsltDynamic.java



\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/AttList.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/FilterParentPath.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/res/XMLErrorResources\_sl.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/lib/PipeDocument.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/UnsupportedElement.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/transformer/KeyManager.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/DOM.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/processor/ProcessorGlobalVariableDecl.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/trax/TrAXFilter.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/runtime/ErrorMessage\_ru.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/res/XPATHErrorResources\_sl.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/XMLStringFactory.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/res/XSLTErrorResources\_sv.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/cmdline/getopt/GetOptsException.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/trax/SAX2DOM.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/SerializerTrace.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/transformer/NodeSorter.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/dtm/ref/SecuritySupport.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/UnImplNode.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/res/XSLTErrorResources\_tr.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/dtm/ref/DTMNamedNodeMap.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/ToHTMLSAXHandler.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/dtm/ref/IncrementalSAXSource\_Filter.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/AttributeValueTemplate.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/processor/ProcessorPreserveSpace.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/util/ErrorMessage\_hu.java

\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/SAXSourceLocator.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/templates/RedundentExprEliminator.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/utils/SerializerMessages\_ja.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/trax/SmartTransformerFactoryImpl.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/functions/FuncTranslate.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/extensions/ExpressionVisitor.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/res/XResources\_ko.java  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/Include.java

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\*/

/\*\*

\* Major version number.  
\* Version number. This changes only when there is a  
\* significant, externally apparent enhancement from  
\* the previous release. 'n' represents the n'th  
\* version.  
\*  
\* Clients should carefully consider the implications  
\* of new versions as external interfaces and behaviour  
\* may have changed.

\*/

Found in path(s):

```
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/Version.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/processor/XSLProcessorVersion.java
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/Version.java
No license file was found, but licenses were detected in source scan.
```

```
/*
```

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*/
```

```
/*
```

```
* $Id: xpath.cup 1225752 2011-12-30 04:12:46Z mrglavas $
*/
```

```
/*
```

```
* @author Jacek Ambroziak
* @author Santiago Pericas-Geertsen
* @author Morten Jorgensen
* @author G. Todd Miller
*/
```

```
package org.apache.xalan.xsltc.compiler;
```

```
import java.util.Stack;
import java.util.Vector;
import java.io.StringReader;
import java_cup.runtime.*;
```

```
import org.apache.xml.dtm.DTM;
import org.apache.xalan.xsltc.DOM;
import org.apache.xml.dtm.Axis;
import org.apache.xalan.xsltc.runtime.Operators;
import org.apache.xalan.xsltc.compiler.util.ErrorMsg;
```

```
parser code {:
```

```

/**
 * Used by function calls with no args.
 */
static public final Vector EmptyArgs = new Vector(0);

/**
 * Reference to non-existing variable.
 */
static public final VariableRef DummyVarRef = null;

/**
 * Reference to the Parser class.
 */
private Parser _parser;
private XSLTC _xsltc;

/**
 * String representation of the expression being parsed.
 */
private String _expression;

/**
 * Line number where this expression/pattern was declared.
 */
private int _lineNumber = 0;

/**
 * Reference to the symbol table.
 */
public SymbolTable _symbolTable;

public XPathParser(Parser parser) {
    _parser = parser;
    _xsltc = parser.getXSLTC();
    _symbolTable = parser.getSymbolTable();
}

public int getLineNumber() {
    return _lineNumber;
}

public QName getQNameIgnoreDefaultNs(String name) {
    return _parser.getQNameIgnoreDefaultNs(name);
}

public QName getQName(String namespace, String prefix, String localname) {
    return _parser.getQName(namespace, prefix, localname);
}

```

```

public void setMultiDocument(boolean flag) {
    _xslt.setMultiDocument(flag);
}

public void setCallsNodeset(boolean flag) {
    _xslt.setCallsNodeset(flag);
}

public void setHasIdCall(boolean flag) {
    _xslt.setHasIdCall(flag);
}

/**
 * This method is similar to findNodeType(int, Object) except that it
 * creates a StepPattern instead of just returning a node type. It also
 * differs in the way it handles "{uri}:*" and "{uri}:@*". The last two
 * patterns are expanded as "[namespace-uri() = 'uri']" and
 * "@*[namespace-uri() = 'uri']", respectively. This expansion considerably
 * simplifies the grouping of patterns in the Mode class. For this
 * expansion to be correct, the priority of the pattern/template must be
 * set to -0.25 (when no other predicates are present).
 */
public StepPattern createStepPattern(int axis, Object test, Vector predicates) {
int nodeType;

if (test == null) { // "*"
    nodeType = (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE :
(axis == Axis.NAMESPACE) ? -1 : NodeTest.ELEMENT;

    return new StepPattern(axis, nodeType, predicates);
}
else if (test instanceof Integer) {
nodeType = ((Integer) test).intValue();

return new StepPattern(axis, nodeType, predicates);
}
else {
QName name = (QName)test;
boolean setPriority = false;

if (axis == Axis.NAMESPACE) {
nodeType = (name.toString().equals("*")) ? -1
: _xslt.registerNamespacePrefix(name);
}
else {
final String uri = name.getNamespace();

```

```

final String local = name.getLocalPart();
final QName namespace_uri =
    _parser.getQNameIgnoreDefaultNs("namespace-uri");

// Expand {uri}:* to *[namespace-uri() = 'uri'] - same for @*
if (uri != null && (local.equals("*") || local.equals("@*"))) {
    if (predicates == null) {
        predicates = new Vector(2);
    }

    // Priority is set by hand if no other predicates exist
    setPriority = (predicates.size() == 0);

    predicates.add(
        new Predicate(
            new EqualityExpr(Operators.EQ,
                new NamespaceUriCall(namespace_uri),
                new LiteralExpr(uri)));
    )

    if (local.equals("*")) {
        nodeType = (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE
        : NodeTest.ELEMENT;
    }
    else if (local.equals("@*")) {
        nodeType = NodeTest.ATTRIBUTE;
    }
    else {
        nodeType = (axis == Axis.ATTRIBUTE) ? _xsltc.registerAttribute(name)
        : _xsltc.registerElement(name);
    }
}

final StepPattern result = new StepPattern(axis, nodeType, predicates);

// Set priority for case prefix:* and prefix:@* (no predicates)
if (setPriority) {
    result.setPriority(-0.25);
}

return result;
}

public int findNodeType(int axis, Object test) {
if (test == null) { // *
    return (axis == Axis.ATTRIBUTE) ?
        NodeTest.ATTRIBUTE :

```

```

(axis == Axis.NAMESPACE) ? -1 : NodeTest.ELEMENT;
    }
    else if (test instanceof Integer) {
        return ((Integer)test).intValue();
    }
    else {
        QName name = (QName)test;

        if (axis == Axis.NAMESPACE) {
return (name.toString().equals("*")) ? -1
    : _xslt.registerNamespacePrefix(name);
        }

        if (name.getNamespace() == null) {
final String local = name.getLocalPart();

if (local.equals("*")) {
    return (axis == Axis.ATTRIBUTE) ? NodeTest.ATTRIBUTE
    : NodeTest.ELEMENT;
}
else if (local.equals("@*")) {
    return NodeTest.ATTRIBUTE;
}
}

        return (axis == Axis.ATTRIBUTE) ? _xslt.registerAttribute(name)
    : _xslt.registerElement(name);
    }
}

/**
 * Parse the expression passed to the current scanner. If this
 * expression contains references to local variables and it will be
 * compiled in an external module (not in the main class) request
 * the current template to create a new variable stack frame.
 *
 * @param lineNumber Line where the current expression is defined.
 * @param external Set to <tt>true</tt> if this expression is
 * compiled in a separate module.
 */
public Symbol parse(String expression, int lineNumber) throws Exception {
    try {
        _expression = expression;
        _lineNumber = lineNumber;
        return super.parse();
    }
    catch (IllegalCharException e) {

```

```

        ErrorMessage err = new ErrorMessage(ErrorMessage.ILLEGAL_CHAR_ERR,
            lineNumber, e.getMessage());
        _parser.reportError(Constants.FATAL, err);
    }
    return null;
}

/**
 * Lookup a variable or parameter in the symbol table given its name.
 *
 * @param name Name of the symbol being looked up.
 */
final SyntaxTreeNode lookupName(QName name) {
    // Is it a local var or param ?
    final SyntaxTreeNode result = _parser.lookupVariable(name);
    if (result != null)
        return(result);
    else
        return(_symbolTable.lookupName(name));
}

public final void addError(ErrorMessage error) {
    _parser.reportError(Constants.ERROR, error);
}

public void report_error(String message, Object info) {
    final ErrorMessage err = new ErrorMessage(ErrorMessage.SYNTAX_ERR, _lineNumber,
        _expression);
    _parser.reportError(Constants.FATAL, err);
}

public void report_fatal_error(String message, Object info) {
    // empty
}

public RelativeLocationPath insertStep(Step step, RelativeLocationPath rlp) {
    if (rlp instanceof Step) {
        return new ParentLocationPath(step, (Step) rlp);
    }
    else if (rlp instanceof ParentLocationPath) {
        final ParentLocationPath plp = (ParentLocationPath) rlp;
        final RelativeLocationPath newrlp = insertStep(step, plp.getPath());
        return new ParentLocationPath(newrlp, plp.getStep());
    }
    else {
        addError(new ErrorMessage(ErrorMessage.INTERNAL_ERR, "XPathParser.insertStep"));
        return rlp;
    }
}

```



```

}

/**
 * Returns true if the axis applies to elements only. The axes
 * child, attribute, namespace, descendant result in non-empty
 * nodesets only if the context node is of type element.
 */
public boolean isElementAxis(int axis) {
return (axis == Axis.CHILD || axis == Axis.ATTRIBUTE ||
axis == Axis.NAMESPACE || axis == Axis.DESCENDANT);
}
:}

terminal SLASH, DOT, LBRACK, RBRACK, VBAR, LPAREN, RPAREN, STAR, COMMA;
terminal DOLLAR, ATSIGN;
terminal DDOT, DCOLON, DSLASH;
terminal EQ, NE;
terminal LT, GT, LE, GE;
terminal PLUS, MINUS, DIV, MOD, MULT;
terminal String Literal;
terminal String QNAME;
terminal ID, KEY, TEXT, NODE, OR, AND, COMMENT, PI, PIPARAM, PRECEDINGSIBLING;
terminal SELF, PARENT, CHILD, ATTRIBUTE, ANCESTOR, ANCESTORORSELF, DESCENDANT;
terminal DESCENDANTORSELF, FOLLOWING, FOLLOWINGSIBLING, NAMESPACE, PRECEDING;
terminal Double REAL;
terminal Long INT;
terminal PATTERN, EXPRESSION;

non terminal SyntaxTreeNode TopLevel;

non terminal Expression Expr, Argument, LocationPath;
non terminal Expression Predicate, FilterExpr, Step;
non terminal Expression OrExpr, AndExpr, EqualityExpr;
non terminal Expression RelationalExpr, AdditiveExpr;
non terminal Expression MultiplicativeExpr, UnaryExpr;
non terminal Expression VariableReference, FunctionCall;
non terminal Expression PrimaryExpr, UnionExpr, PathExpr, AbbreviatedStep;
non terminal Expression RelativeLocationPath, AbbreviatedRelativeLocationPath;
non terminal Expression AbsoluteLocationPath, AbbreviatedAbsoluteLocationPath;

non terminal Object NodeTest, NameTest;

non terminal IdKeyPattern IdKeyPattern;
non terminal Pattern Pattern;
non terminal Pattern LocationPathPattern;
non terminal StepPattern ProcessingInstructionPattern;
non terminal RelativePathPattern RelativePathPattern;
non terminal StepPattern StepPattern;

```

non terminal Object NodeTestPattern, NameTestPattern;

non terminal Vector Predicates, NonemptyArgumentList;  
non terminal QName QName, FunctionName, VariableName;  
non terminal Integer AxisName, AxisSpecifier;  
non terminal Integer ChildOrAttributeAxisSpecifier;

precedence left VBAR;  
precedence left OR;  
precedence left AND;  
precedence nonassoc EQ, NE;  
precedence left LT, GT, LE, GE;

precedence left PLUS, MINUS;  
precedence left DIV, MOD, MULT;  
precedence left DOLLAR;  
precedence left ATSIGN;  
precedence right DCOLON;

start with TopLevel;

TopLevel ::= PATTERN Pattern:pattern

{: RESULT = pattern; :}

| EXPRESSION Expr:expr

{: RESULT = expr; :};

/\* ----- Patterns ----- \*/

Pattern ::= LocationPathPattern:lpp

{: RESULT = lpp; :}

| LocationPathPattern:lpp VBAR Pattern:p

{: RESULT = new AlternativePattern(lpp, p); :};

LocationPathPattern ::= SLASH

{: RESULT = new AbsolutePathPattern(null); :}

| SLASH RelativePathPattern:rpp

{: RESULT = new AbsolutePathPattern(rpp); :}

| IdKeyPattern:ikp

{: RESULT = ikp; :}

| IdKeyPattern:ikp SLASH RelativePathPattern:rpp

{: RESULT = new ParentPattern(ikp, rpp); :}

| IdKeyPattern:ikp DSLASH RelativePathPattern:rpp

```

{: RESULT = new AncestorPattern(ikp, rpp); :}

| DSLASH RelativePathPattern:rpp
{: RESULT = new AncestorPattern(rpp); :}

| RelativePathPattern:rpp
{: RESULT = rpp; :};

IdKeyPattern ::= ID LPAREN Literal:l RPAREN
{: RESULT = new IdPattern(l);
  parser.setHasIdCall(true);
:}

| KEY LPAREN Literal:l1 COMMA Literal:l2 RPAREN
{: RESULT = new KeyPattern(l1, l2); :};

ProcessingInstructionPattern ::= PIPARAM LPAREN Literal:l RPAREN
{: RESULT = new ProcessingInstructionPattern(l); :};

RelativePathPattern ::= StepPattern:sp
{: RESULT = sp; :}

| StepPattern:sp SLASH RelativePathPattern:rpp
{: RESULT = new ParentPattern(sp, rpp); :}

| StepPattern:sp DSLASH RelativePathPattern:rpp
{: RESULT = new AncestorPattern(sp, rpp); :};

StepPattern ::= NodeTestPattern:nt
{:
RESULT = parser.createStepPattern(Axis.CHILD, nt, null);
:}

| NodeTestPattern:nt Predicates:pp
{:
RESULT = parser.createStepPattern(Axis.CHILD, nt, pp);
:}

| ProcessingInstructionPattern:pip
{: RESULT = pip; :}

| ProcessingInstructionPattern:pip Predicates:pp
{: RESULT = (ProcessingInstructionPattern)pip.setPredicates(pp); :}

| ChildOrAttributeAxisSpecifier:axis NodeTestPattern:nt
{:
RESULT = parser.createStepPattern(axis.intValue(), nt, null);
:}

```

```

| ChildOrAttributeAxisSpecifier:axis
NodeTestPattern:nt Predicates:pp
{
  RESULT = parser.createStepPattern(axis.intValue(), nt, pp);
}

| ChildOrAttributeAxisSpecifier:axis ProcessingInstructionPattern:pip
{
  RESULT = pip; // TODO: report error if axis is attribute
}

| ChildOrAttributeAxisSpecifier:axis ProcessingInstructionPattern:pip
Predicates:pp
{
  // TODO: report error if axis is attribute
  RESULT = (ProcessingInstructionPattern)pip.setPredicates(pp);
};

NodeTestPattern ::= NameTestPattern:nt
{ : RESULT = nt; ; }

| NODE
{ : RESULT = new Integer(NodeTest.ANODE); ; }

| TEXT
{ : RESULT = new Integer(NodeTest.TEXT); ; }

| COMMENT
{ : RESULT = new Integer(NodeTest.COMMENT); ; }

| PI
{ : RESULT = new Integer(NodeTest.PI); ; }

NameTestPattern ::= STAR
{ : RESULT = null; ; }

| QName:qn
{ : RESULT = qn; ; }

ChildOrAttributeAxisSpecifier ::= ATSIGN
{ : RESULT = new Integer(Axis.ATTRIBUTE); ; }

| CHILD DCOLON
{ : RESULT = new Integer(Axis.CHILD); ; }

| ATTRIBUTE DCOLON
{ : RESULT = new Integer(Axis.ATTRIBUTE); ; }

```

```

Predicates ::= Predicate:p
    { :
    Vector temp = new Vector();
    temp.addElement(p);
    RESULT = temp;
    : }

    | Predicate:p Predicates:pp
    { : pp.insertElementAt(p, 0); RESULT = pp; : };

Predicate ::= LBRACK Expr:e RBRACK
    { :
    RESULT = new Predicate(e);
    : };

/* ----- Expressions ----- */

Expr ::= OrExpr:ex
    { : RESULT = ex; : };

OrExpr ::= AndExpr:ae
    { : RESULT = ae; : }

    | OrExpr:oe OR AndExpr:ae
    { : RESULT = new LogicalExpr(LogicalExpr.OR, oe, ae); : };

AndExpr ::= EqualityExpr:e
    { : RESULT = e; : }

    | AndExpr:ae AND EqualityExpr:ee
    { : RESULT = new LogicalExpr(LogicalExpr.AND, ae, ee); : };

EqualityExpr ::= RelationalExpr:re
    { : RESULT = re; : }

    | EqualityExpr:ee EQ RelationalExpr:re
    { : RESULT = new EqualityExpr(Operators.EQ, ee, re); : }

    | EqualityExpr:ee NE RelationalExpr:re
    { : RESULT = new EqualityExpr(Operators.NE, ee, re); : };

RelationalExpr ::= AdditiveExpr:ae
    { : RESULT = ae; : }

    | RelationalExpr:re LT AdditiveExpr:ae
    { : RESULT = new RelationalExpr(Operators.LT, re, ae); : }

```

| RelationalExpr:re GT AdditiveExpr:ae  
{: RESULT = new RelationalExpr(Operators.GT, re, ae); :}

| RelationalExpr:re LE AdditiveExpr:ae  
{: RESULT = new RelationalExpr(Operators.LE, re, ae); :}

| RelationalExpr:re GE AdditiveExpr:ae  
{: RESULT = new RelationalExpr(Operators.GE, re, ae); :};

AdditiveExpr ::= MultiplicativeExpr:me

{: RESULT = me; :}

| AdditiveExpr:ae PLUS MultiplicativeExpr:me  
{: RESULT = new BinOpExpr(BinOpExpr.PLUS, ae, me); :}

| AdditiveExpr:ae MINUS MultiplicativeExpr:me  
{: RESULT = new BinOpExpr(BinOpExpr.MINUS, ae, me); :};

MultiplicativeExpr ::= UnaryExpr:ue

{: RESULT = ue; :}

| MultiplicativeExpr:me MULT UnaryExpr:ue  
{: RESULT = new BinOpExpr(BinOpExpr.TIMES, me, ue); :}

| MultiplicativeExpr:me DIV UnaryExpr:ue  
{: RESULT = new BinOpExpr(BinOpExpr.DIV, me, ue); :}

| MultiplicativeExpr:me MOD UnaryExpr:ue  
{: RESULT = new BinOpExpr(BinOpExpr.MOD, me, ue); :};

UnaryExpr ::= UnionExpr:ue

{: RESULT = ue; :}

| MINUS UnaryExpr:ue  
{: RESULT = new UnaryOpExpr(ue); :};

UnionExpr ::= PathExpr:pe

{: RESULT = pe; :}

| PathExpr:pe VBAR UnionExpr:rest  
{: RESULT = new UnionPathExpr(pe, rest); :};

PathExpr ::= LocationPath:lp

{: RESULT = lp; :}

| FilterExpr:fexp  
{: RESULT = fexp; :}

```

| FilterExpr:fexp SLASH RelativeLocationPath:rlp
{: RESULT = new FilterParentPath(fexp, rlp); :}

| FilterExpr:fexp DSLASH RelativeLocationPath:rlp
{:
  //
  // Expand '/' into '/descendant-or-self::node()' or
  // into '/descendant-or-self:*/
  //
  int nodeType = DOM.NO_TYPE;
  if (rlp instanceof Step &&
      parser.isElementAxis(((Step) rlp).getAxis()))
  {
    nodeType = DTM.ELEMENT_NODE;
  }
  final Step step = new Step(Axis.DESCENDANTORSELF, nodeType, null);
  FilterParentPath fpp = new FilterParentPath(fexp, step);
  fpp = new FilterParentPath(fpp, rlp);
  if (fexp instanceof KeyCall == false) {
    fpp.setDescendantAxis();
  }
  RESULT = fpp;
:};

LocationPath ::= RelativeLocationPath:rlp
{: RESULT = rlp; :}

| AbsoluteLocationPath:alp
{: RESULT = alp; :};

RelativeLocationPath ::= Step:step
{: RESULT = step; :}

| RelativeLocationPath:rlp SLASH Step:step
{:
  if (rlp instanceof Step && ((Step) rlp).isAbbreviatedDot()) {
    RESULT = step;    // Remove './' from the middle
  }
  else if (((Step) step).isAbbreviatedDot()) {
    RESULT = rlp;    // Remove './' from the end
  }
  else {
    RESULT =
      new ParentLocationPath((RelativeLocationPath) rlp, step);
  }
:}

| AbbreviatedRelativeLocationPath:arlp

```

```
{: RESULT = arlp; :};
```

```
AbsoluteLocationPath ::= SLASH
```

```
{: RESULT = new AbsoluteLocationPath(); :}
```

```
| SLASH RelativeLocationPath:rlp
```

```
{: RESULT = new AbsoluteLocationPath(rlp); :}
```

```
| AbbreviatedAbsoluteLocationPath:aalp
```

```
{: RESULT = aalp; :};
```

```
AbbreviatedRelativeLocationPath ::= RelativeLocationPath:rlp DSLASH Step:step
```

```
{:
```

```
final Step right = (Step)step;
```

```
final int axis = right.getAxis();
```

```
final int type = right.getNodeType();
```

```
final Vector predicates = right.getPredicates();
```

```
if ((axis == Axis.CHILD) && (type != NodeTest.ATTRIBUTE)) {
```

```
    // Compress '//child:E' into 'descendant::E' - if possible
```

```
    if (predicates == null) {
```

```
        right.setAxis(Axis.DESCENDANT);
```

```
        if (rlp instanceof Step && ((Step)rlp).isAbbreviatedDot()) {
```

```
            RESULT = right;
```

```
        }
```

```
    } else {
```

```
        // Expand 'rlp//child::E' into 'rlp/descendant::E'
```

```
        RelativeLocationPath left = (RelativeLocationPath)rlp;
```

```
        RESULT = new ParentLocationPath(left, right);
```

```
    }
```

```
}
```

```
else {
```

```
    // Expand '//step' -> 'descendant-or-self::*step'
```

```
    if (rlp instanceof Step && ((Step)rlp).isAbbreviatedDot()) {
```

```
        Step left = new Step(Axis.DESCENDANTORSELF,
```

```
DTM.ELEMENT_NODE, null);
```

```
        RESULT = new ParentLocationPath(left, right);
```

```
    }
```

```
    } else {
```

```
        // Expand 'rlp//step' -> 'rlp/descendant-or-self::*step'
```

```
        RelativeLocationPath left = (RelativeLocationPath)rlp;
```

```
        Step mid = new Step(Axis.DESCENDANTORSELF,
```

```
DTM.ELEMENT_NODE, null);
```

```
        ParentLocationPath ppl = new ParentLocationPath(mid, right);
```

```
        RESULT = new ParentLocationPath(left, ppl);
```

```
    }
```

```
}
```

```
}
```



```

else if ((axis == Axis.ATTRIBUTE) || (type == NodeTest.ATTRIBUTE)) {
    // Expand 'rlp//step' -> 'rlp/descendant-or-self::*step'
    RelativeLocationPath left = (RelativeLocationPath)rlp;
    Step middle = new Step(Axis.DESCENDANTORSELF,
DTM.ELEMENT_NODE, null);
    ParentLocationPath ppl = new ParentLocationPath(middle, right);
    RESULT = new ParentLocationPath(left, ppl);
}
else {
    // Expand 'rlp//step' -> 'rlp/descendant-or-self::node()/step'
    RelativeLocationPath left = (RelativeLocationPath)rlp;
    Step middle = new Step(Axis.DESCENDANTORSELF,
DOM.NO_TYPE, null);
    ParentLocationPath ppl = new ParentLocationPath(middle, right);
    RESULT = new ParentLocationPath(left, ppl);
}
};

```

AbbreviatedAbsolutePath ::= DSLASH RelativeLocationPath:rlp

```

{:
    //
    // Expand '/' into '/descendant-or-self::node()/' or
    // into '/descendant-or-self::*/'
    //
    int nodeType = DOM.NO_TYPE;
    if (rlp instanceof Step &&
        parser.isElementAxis(((Step) rlp).getAxis()))
    {
        nodeType = DTM.ELEMENT_NODE;
    }
    final Step step = new Step(Axis.DESCENDANTORSELF, nodeType, null);
    RESULT = new AbsoluteLocationPath(parser.insertStep(step,
(RelativeLocationPath) rlp));
};

```

Step ::= NodeTest:ntest

```

{:
    if (ntest instanceof Step) {
        RESULT = (Step)ntest;
    }
    else {
        RESULT = new Step(Axis.CHILD,
            parser.findNodeType(Axis.CHILD, ntest),
            null);
    }
};

```

```

| NodeTest:ntest Predicates:pp
{:
  if (ntest instanceof Step) {
    Step step = (Step)ntest;
    step.addPredicates(pp);
    RESULT = (Step)ntest;
  }
  else {
    RESULT = new Step(Axis.CHILD,
      parser.findNodeType(Axis.CHILD, ntest), pp);
  }
:}

```

```

| AxisSpecifier:axis NodeTest:ntest Predicates:pp
{: RESULT = new Step(axis.intValue(),
  parser.findNodeType(axis.intValue(), ntest),
  pp);
:}

```

```

| AxisSpecifier:axis NodeTest:ntest
{: RESULT = new Step(axis.intValue(),
  parser.findNodeType(axis.intValue(), ntest),
  null);
:}

```

```

| AbbreviatedStep:abbrev
{: RESULT = abbrev; :};

```

```

AxisSpecifier ::= AxisName:an DCOLON
  {: RESULT = an; :}

```

```

| ATSIGN
{: RESULT = new Integer(Axis.ATTRIBUTE); :};

```

```

AxisName ::= ANCESTOR
  {: RESULT = new Integer(Axis.ANCESTOR); :}

```

```

| ANCESTORORSELF
{: RESULT = new Integer(Axis.ANCESTORORSELF); :}

```

```

| ATTRIBUTE
{: RESULT = new Integer(Axis.ATTRIBUTE); :}

```

```

| CHILD
{: RESULT = new Integer(Axis.CHILD); :}

```

```

| DESCENDANT
{: RESULT = new Integer(Axis.DESCENDANT); :}

```

```
| DESCENDANTORSELF
{: RESULT = new Integer(Axis.DECENDANTORSELF); ;}
```

```
| FOLLOWING
{: RESULT = new Integer(Axis.FOLLOWING); ;}
```

```
| FOLLOWINGSIBLING
{: RESULT = new Integer(Axis.FOLLOWINGSIBLING); ;}
```

```
| NAMESPACE
{: RESULT = new Integer(Axis.NAMESPACE); ;}
```

```
| PARENT
{: RESULT = new Integer(Axis.PARENT); ;}
```

```
| PRECEDING
{: RESULT = new Integer(Axis.PRECEDING); ;}
```

```
| PRECEDINGSIBLING
{: RESULT = new Integer(Axis.PRECEDINGSIBLING); ;}
```

```
| SELF
{: RESULT = new Integer(Axis.SELF); ;};
```

```
AbbreviatedStep ::= DOT
{: RESULT = new Step(Axis.SELF, NodeTest.ANODE, null); ;}
```

```
| DDOT
{: RESULT = new Step(Axis.PARENT, NodeTest.ANODE, null); ;};
```

```
FilterExpr ::= PrimaryExpr:primary
{: RESULT = primary; ;}
```

```
| PrimaryExpr:primary Predicates:pp
{: RESULT = new FilterExpr(primary, pp); ;};
```

```
PrimaryExpr ::= VariableReference:vr
{: RESULT = vr; ;}
```

```
| LPAREN Expr:ex RPAREN
{: RESULT = ex; ;}
```

```
| Literal:string
```

```
{:  
/*
```

```
* If the string appears to have the syntax of a QName, store
```

```
* namespace info in the literal expression. This is used for
```

```

* element-available and function-available functions, among
* others. Also, the default namespace must be ignored.
*/
String namespace = null;
final int index = string.lastIndexOf(':');

if (index > 0) {
    final String prefix = string.substring(0, index);
    namespace = parser._symbolTable.lookupNamespace(prefix);
}
RESULT = (namespace == null) ? new LiteralExpr(string)
    : new LiteralExpr(string, namespace);
:}

| INT:num
{:
    long value = num.longValue();
    if (value < Integer.MIN_VALUE || value > Integer.MAX_VALUE) {
RESULT = new RealExpr(value);
    }
    else {
        if (num.doubleValue() == -0)
            RESULT = new RealExpr(num.doubleValue());
        else if (num.intValue() == 0)
            RESULT = new IntExpr(num.intValue());
        else if (num.doubleValue() == 0.0)
            RESULT = new RealExpr(num.doubleValue());
        else
            RESULT = new IntExpr(num.intValue());
    }
:}

| REAL:num
{: RESULT = new RealExpr(num.doubleValue()); :}

| FunctionCall:fc
{: RESULT = fc; :};

```

```

VariableReference ::= DOLLAR VariableName:varName
{:
    // An empty qname prefix for a variable or parameter reference
    // should map to the null namespace and not the default URI.
    SyntaxTreeNode node = parser.lookupName(varName);

    if (node != null) {
        if (node instanceof Variable) {
            RESULT = new VariableRef((Variable)node);
        }
    }
:}

```

```

    else if (node instanceof Param) {
        RESULT = new ParameterRef((Param)node);
    }
    else {
        RESULT = new UnresolvedRef(varName);
    }
}

if (node == null) {
    RESULT = new UnresolvedRef(varName);
}
};

```

FunctionCall ::= FunctionName:fname LPAREN RPAREN

```

{:
    if (parser.getQNameIgnoreDefaultNs("current").equals(fname)) {
        RESULT = new CurrentCall(fname);
    }
    else if (parser.getQNameIgnoreDefaultNs("number").equals(fname)) {
        RESULT = new NumberCall(fname, parser.EmptyArgs);
    }
    else if (parser.getQNameIgnoreDefaultNs("string").equals(fname)) {
        RESULT = new StringCall(fname, parser.EmptyArgs);
    }
    else if (parser.getQNameIgnoreDefaultNs("concat").equals(fname)) {
        RESULT = new ConcatCall(fname, parser.EmptyArgs);
    }
    else if (parser.getQNameIgnoreDefaultNs("true").equals(fname)) {
        RESULT = new BooleanExpr(true);
    }
    else if (parser.getQNameIgnoreDefaultNs("false").equals(fname)) {
        RESULT = new BooleanExpr(false);
    }
    else if (parser.getQNameIgnoreDefaultNs("name").equals(fname)) {
        RESULT = new NameCall(fname);
    }
    else if (parser.getQNameIgnoreDefaultNs("generate-id").equals(fname)) {
        RESULT = new GenerateIdCall(fname, parser.EmptyArgs);
    }
    else if (parser.getQNameIgnoreDefaultNs("string-length").equals(fname)) {
        RESULT = new StringLengthCall(fname, parser.EmptyArgs);
    }
    else if (parser.getQNameIgnoreDefaultNs("position").equals(fname)) {
        RESULT = new PositionCall(fname);
    }
    else if (parser.getQNameIgnoreDefaultNs("last").equals(fname)) {
        RESULT = new LastCall(fname);
    }
}

```

```

}
else if (parser.getQNameIgnoreDefaultNs("local-name").equals(fname)) {
    RESULT = new LocalNameCall(fname);
}
else if (parser.getQNameIgnoreDefaultNs("namespace-uri").equals(fname)) {
    RESULT = new NamespaceUriCall(fname);
}
else {
    RESULT = new FunctionCall(fname, parser.EmptyArgs);
}
:}

| FunctionName:fname LPAREN NonemptyArgumentList:argl RPAREN
{:
if (parser.getQNameIgnoreDefaultNs("concat").equals(fname)) {
    RESULT = new ConcatCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("number").equals(fname)) {
    RESULT = new NumberCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("document").equals(fname)) {
parser.setMultiDocument(true);
    RESULT = new DocumentCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("string").equals(fname)) {
    RESULT = new StringCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("boolean").equals(fname)) {
    RESULT = new BooleanCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("name").equals(fname)) {
    RESULT = new NameCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("generate-id").equals(fname)) {
    RESULT = new GenerateIdCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("not").equals(fname)) {
    RESULT = new NotCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("format-number").equals(fname)) {
    RESULT = new FormatNumberCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("unparsed-entity-uri").equals(fname)) {
    RESULT = new UnparsedEntityUriCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("key").equals(fname)) {
    RESULT = new KeyCall(fname, argl);
}
}

```

```

else if (parser.getQNameIgnoreDefaultNs("id").equals(fname)) {
    RESULT = new KeyCall(fname, argl);
    parser.setHasIdCall(true);
}
else if (parser.getQNameIgnoreDefaultNs("ceiling").equals(fname)) {
    RESULT = new CeilingCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("round").equals(fname)) {
    RESULT = new RoundCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("floor").equals(fname)) {
    RESULT = new FloorCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("contains").equals(fname)) {
    RESULT = new ContainsCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("string-length").equals(fname)) {
    RESULT = new StringLengthCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("starts-with").equals(fname)) {
    RESULT = new StartsWithCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("function-available").equals(fname)) {
    RESULT = new FunctionAvailableCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("element-available").equals(fname)) {
    RESULT = new ElementAvailableCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("local-name").equals(fname)) {
    RESULT = new LocalNameCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("lang").equals(fname)) {
    RESULT = new LangCall(fname, argl);
}
else if (parser.getQNameIgnoreDefaultNs("namespace-uri").equals(fname)) {
    RESULT = new NamespaceUriCall(fname, argl);
}
else if (parser.getQName(Constants.TRANSLET_URI, "xslt", "cast").equals(fname)) {
    RESULT = new CastCall(fname, argl);
}
// Special case for extension function nodeset()
else if (fname.getLocalPart().equals("nodeset") || fname.getLocalPart().equals("node-set")) {
    parser.setCallsNodeset(true); // implies MultiDOM
    RESULT = new FunctionCall(fname, argl);
}
else {
    RESULT = new FunctionCall(fname, argl);
}

```

```
};
```

```
NonemptyArgumentList ::= Argument:arg
```

```
{:  
  Vector temp = new Vector();  
  temp.addElement(arg);  
  RESULT = temp;  
:}
```

```
| Argument:arg COMMA NonemptyArgumentList:argl  
{: argl.insertElementAt(arg, 0); RESULT = argl; :};
```

```
FunctionName ::= QName:fname
```

```
{:  
  RESULT = fname;  
:};
```

```
VariableName ::= QName:vname
```

```
{:  
  RESULT = vname;  
:};
```

```
Argument ::= Expr:ex
```

```
{: RESULT = ex; :};
```

```
NodeTest ::= NameTest:nt
```

```
{: RESULT = nt; :}
```

```
| NODE
```

```
{: RESULT = new Integer(NodeTest.ANODE); :}
```

```
| TEXT
```

```
{: RESULT = new Integer(NodeTest.TEXT); :}
```

```
| COMMENT
```

```
{: RESULT = new Integer(NodeTest.COMMENT); :}
```

```
| PIPARAM LPAREN Literal:l RPAREN
```

```
{:  
  QName name = parser.getQNameIgnoreDefaultNs("name");  
  Expression exp = new EqualityExpr(Operators.EQ,  
    new NameCall(name),  
    new LiteralExpr(l));  
  Vector predicates = new Vector();  
  predicates.addElement(new Predicate(exp));  
  RESULT = new Step(Axis.CHILD, NodeTest.PI, predicates);  
:}
```



```

| PI
{: RESULT = new Integer(NodeTest.PI); :};

NameTest ::= STAR
  {: RESULT = null; :}

  | QName:qn
  {: RESULT = qn; :};

QName ::= QName:qname
  {: RESULT = parser.getQNameIgnoreDefaultNs(qname); :}

| DIV
{: RESULT = parser.getQNameIgnoreDefaultNs("div"); :}

| MOD
{: RESULT = parser.getQNameIgnoreDefaultNs("mod"); :}

| KEY
{: RESULT = parser.getQNameIgnoreDefaultNs("key"); :}

| ANCESTOR
{: RESULT = parser.getQNameIgnoreDefaultNs("child"); :}

| ANCESTORORSELF
{: RESULT = parser.getQNameIgnoreDefaultNs("ancestor-or-self"); :}

| ATTRIBUTE
{: RESULT = parser.getQNameIgnoreDefaultNs("attribute"); :}

| CHILD
{: RESULT = parser.getQNameIgnoreDefaultNs("child"); :}

| DESCENDANT
{: RESULT = parser.getQNameIgnoreDefaultNs("decendant"); :}

| DESCENDANTORSELF
{: RESULT = parser.getQNameIgnoreDefaultNs("decendant-or-self"); :}

| FOLLOWING
{: RESULT = parser.getQNameIgnoreDefaultNs("following"); :}

| FOLLOWINGSIBLING
{: RESULT = parser.getQNameIgnoreDefaultNs("following-sibling"); :}

| NAMESPACE
{: RESULT = parser.getQNameIgnoreDefaultNs("namespace"); :}

```

```

| PARENT
{: RESULT = parser.getQNameIgnoreDefaultNs("parent"); :}

| PRECEDING
{: RESULT = parser.getQNameIgnoreDefaultNs("preceding"); :}

| PRECEDINGSIBLING
{: RESULT = parser.getQNameIgnoreDefaultNs("preceding-sibling"); :}

| SELF
{: RESULT = parser.getQNameIgnoreDefaultNs("self"); :}

| ID
{: RESULT = parser.getQNameIgnoreDefaultNs("id"); :};

```

Found in path(s):

```
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/xsltc/compiler/xpath.cup
```

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

```

/*
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 * regarding copyright ownership. The ASF licenses this file
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 * distributed under the License is distributed on an "AS IS" BASIS,
 * 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.
 */
// Proprietary, built in functions
/** current function string (Proprietary). */

```

Found in path(s):

```
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xpath/compiler/Keywords.java
```

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

```

/*
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```

```
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* distributed under the License is distributed on an "AS IS" BASIS,
* 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.
```

```
*/
```

```
/*
```

```
* $Id: XSLProcessorVersion.src 468640 2006-10-28 06:53:53Z minchau $
```

```
*/
```

```
package org.apache.xalan.processor;
```

```
/**
```

```
* Administrative class to keep track of the version number of
```

```
* the Xalan release.
```

```
* <P>See also: org/apache/xalan/res/XSLTInfo.properties</P>
```

```
* @deprecated To be replaced by org.apache.xalan.Version.getVersion\(\)
```

```
* @xsl.usage general
```

```
*/
```

```
public class XSLProcessorVersion
```

```
{
```

```
/**
```

```
* Print the processor version to the command line.
```

```
*
```

```
* @param argv command line arguments, unused.
```

```
*/
```

```
public static void main(String argv[])
```

```
{
```

```
    System.out.println(S_VERSION);
```

```
}
```

```
/**
```

```
* Constant name of product.
```

```
*/
```

```
public static final String PRODUCT = "Xalan";
```

```
/**
```

```
* Implementation Language.
```

```
*/
```

```
public static final String LANGUAGE = "Java";
```

```

/**
 * Major version number.
 * Version number. This changes only when there is a
 *   significant, externally apparent enhancement from
 *   the previous release. 'n' represents the n'th
 *   version.
 *
 * Clients should carefully consider the implications
 * of new versions as external interfaces and behaviour
 * may have changed.
 */
public static final int VERSION = @version.VERSION@;

/**
 * Release Number.
 * Release number. This changes when:
 *   - a new set of functionality is to be added, eg,
 *     implementation of a new W3C specification.
 *   - API or behaviour change.
 *   - its designated as a reference release.
 */
public static final int RELEASE = @version.RELEASE@;

/**
 * Maintenance Drop Number.
 * Optional identifier used to designate maintenance
 * drop applied to a specific release and contains
 * fixes for defects reported. It maintains compatibility
 * with the release and contains no API changes.
 * When missing, it designates the final and complete
 * development drop for a release.
 */
public static final int MAINTENANCE = @version.MINOR@;

/**
 * Development Drop Number.
 * Optional identifier designates development drop of
 * a specific release. D01 is the first development drop
 * of a new release.
 *
 * Development drops are works in progress towards a
 * completed, final release. A specific development drop
 * may not completely implement all aspects of a new
 * feature, which may take several development drops to
 * complete. At the point of the final drop for the
 * release, the D suffix will be omitted.
 */

```

```

* Each 'D' drops can contain functional enhancements as
* well as defect fixes. 'D' drops may not be as stable as
* the final releases.
*/
public static final int DEVELOPMENT = 0;

/**
 * Version String like <CODE>"<B>Xalan</B> <B>Language</B>
 * v.r[.dd] <B>D</B>nn]"</CODE>.
 * <P>Semantics of the version string are identical to the Xerces project.</P>
 */
public static final String S_VERSION = PRODUCT+" "+LANGUAGE+" "
        +VERSION+"."+RELEASE+"."
        +(DEVELOPMENT > 0 ? ("D"+DEVELOPMENT)
        : (""+MAINTENANCE));
}

```

Found in path(s):

```

* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/processor/XSLProcessorVersion.src
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```

```

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 * limitations under the License.
 */
/*
 * $Id: Version.src 1225426 2011-12-29 04:13:08Z mrglavas $
 */
package org.apache.xalan;

/**
 * Administrative class to keep track of the version number of
 * the Xalan release.

```

```

* <P>This class implements the upcoming standard of having
* org.apache.project-name.Version.getVersion() be a standard way
* to get version information. This class will replace the older
* org.apache.xalan.processor.Version class.</P>
* <P>See also: org/apache/xalan/res/XSLTInfo.properties for
* information about the version of the XSLT spec we support.</P>
* @xsl.usage general
*/
public class Version
{

/**
 * Get the basic version string for the current Xalan release.
 * Version String formatted like
 * <CODE>"<B>Xalan</B> <B>Java</B> v.r[.dd] <B>D</B>nn]"</CODE>.
 *
 * Futurework: have this read version info from jar manifest.
 *
 * @return String denoting our current version
 */
public static String getVersion()
{
    return getProduct()+" "+getImplementationLanguage()+" "
        +getMajorVersionNum()+"."+getReleaseVersionNum()+"."
        +(getDevelopmentVersionNum() > 0) ?
            ("D"+getDevelopmentVersionNum()) : (""+getMaintenanceVersionNum());
}

/**
 * Print the processor version to the command line.
 *
 * @param argv command line arguments, unused.
 */
public static void main(String argv[])
{
    System.out.println(getVersion());
}

/**
 * Name of product: Xalan.
 */
public static String getProduct()
{
    return "Xalan";
}

/**
 * Implementation Language: Java.

```

```

*/
public static String getImplementationLanguage()
{
    return "Java";
}

/**
 * Major version number.
 * Version number. This changes only when there is a
 *     significant, externally apparent enhancement from
 *     the previous release. 'n' represents the n'th
 *     version.
 *
 * Clients should carefully consider the implications
 * of new versions as external interfaces and behaviour
 * may have changed.
 */
public static int getMajorVersionNum()
{
    return @version.VERSION@;
}

/**
 * Release Number.
 * Release number. This changes when:
 *     - a new set of functionality is to be added, eg,
 *       implementation of a new W3C specification.
 *     - API or behaviour change.
 *     - its designated as a reference release.
 */
public static int getReleaseVersionNum()
{
    return @version.RELEASE@;
}

/**
 * Maintenance Drop Number.
 * Optional identifier used to designate maintenance
 * drop applied to a specific release and contains
 * fixes for defects reported. It maintains compatibility
 * with the release and contains no API changes.
 * When missing, it designates the final and complete
 * development drop for a release.
 */
public static int getMaintenanceVersionNum()
{

```

```

return @version.MINOR@;
}

/**
 * Development Drop Number.
 * Optional identifier designates development drop of
 * a specific release. D01 is the first development drop
 * of a new release.
 *
 * Development drops are works in progress towards a
 * completed, final release. A specific development drop
 * may not completely implement all aspects of a new
 * feature, which may take several development drops to
 * complete. At the point of the final drop for the
 * release, the D suffix will be omitted.
 *
 * Each 'D' drops can contain functional enhancements as
 * well as defect fixes. 'D' drops may not be as stable as
 * the final releases.
 */
public static int getDevelopmentVersionNum()
{
    try {
        if ((new String("@version.DEVELOPER@")).length() == 0)
            return 0;
        else
            return Integer.parseInt("@version.DEVELOPER@");
    } catch (NumberFormatException nfe) {
        return 0;
    }
}
}
}

```

Found in path(s):

\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/Version.src

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```

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 * you may not use this file except in compliance with the License.
 * You may obtain a copy of the License at
 *
 * http://www.apache.org/licenses/LICENSE-2.0
 *
 */

```



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\* limitations under the License.

\*/  
/\*\*

\* Execute the proprietary document-location() function, which returns  
\* a node set of documents.  
\* @xsl.usage advanced  
\*/

Found in path(s):

\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xpath/functions/FuncDoclocation.java

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\*/

/\*

\* \$Id: Version.src 468654 2006-10-28 07:09:23Z minchau \$

\*/

package org.apache.xml.serializer;

/\*\*

\* Administrative class to keep track of the version number of  
\* the Serializer release.  
\* <P>This class implements the upcoming standard of having  
\* org.apache.project-name.Version.getVersion() be a standard way  
\* to get version information.</P>

\* @xsl.usage general

\*/

public final class Version

```

{

/**
 * Get the basic version string for the current Serializer.
 * Version String formatted like
 * <CODE>"<B>Serializer</B> <B>Java</B> v.r[.dd| <B>D</B>nm]"</CODE>.
 *
 * Futurework: have this read version info from jar manifest.
 *
 * @return String denoting our current version
 */
public static String getVersion()
{
    return getProduct()+" "+getImplementationLanguage()+" "
        +getMajorVersionNum()+". "+getReleaseVersionNum()+". "
        +( (getDevelopmentVersionNum() > 0) ?
            ("D"+getDevelopmentVersionNum()) : (""+getMaintenanceVersionNum()));
}

/**
 * Print the processor version to the command line.
 *
 * @param argv command line arguments, unused.
 */
public static void main(String argv[])
{
    System.out.println(getVersion());
}

/**
 * Name of product: Serializer.
 */
public static String getProduct()
{
    return "Serializer";
}

/**
 * Implementation Language: Java.
 */
public static String getImplementationLanguage()
{
    return "Java";
}

/**
 * Major version number.

```

```

* Version number. This changes only when there is a
*   significant, externally apparent enhancement from
*   the previous release. 'n' represents the n'th
*   version.
*
*   Clients should carefully consider the implications
*   of new versions as external interfaces and behaviour
*   may have changed.
*/
public static int getMajorVersionNum()
{
    return @version.VERSION@;
}

```

```

/**
* Release Number.
* Release number. This changes when:
*   - a new set of functionality is to be added, eg,
*     implementation of a new W3C specification.
*   - API or behaviour change.
*   - its designated as a reference release.
*/

```

```

public static int getReleaseVersionNum()
{
    return @version.RELEASE@;
}

```

```

/**
* Maintenance Drop Number.
* Optional identifier used to designate maintenance
*   drop applied to a specific release and contains
*   fixes for defects reported. It maintains compatibility
*   with the release and contains no API changes.
*   When missing, it designates the final and complete
*   development drop for a release.
*/

```

```

public static int getMaintenanceVersionNum()
{
    return @version.MINOR@;
}

```

```

/**
* Development Drop Number.
* Optional identifier designates development drop of
*   a specific release. D01 is the first development drop
*   of a new release.
*

```

\* Development drops are works in progress towards a  
\* completed, final release. A specific development drop  
\* may not completely implement all aspects of a new  
\* feature, which may take several development drops to  
\* complete. At the point of the final drop for the  
\* release, the D suffix will be omitted.

\*  
\* Each 'D' drops can contain functional enhancements as  
\* well as defect fixes. 'D' drops may not be as stable as  
\* the final releases.

\*/

```
public static int getDevelopmentVersionNum()
{
    try {
        if ((new String("@version.DEVELOPER@")).length() == 0)
            return 0;
        else
            return Integer.parseInt("@version.DEVELOPER@");
    } catch (NumberFormatException nfe) {
        return 0;
    }
}
}
```

Found in path(s):

\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/Version.src

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\*/

Found in path(s):

\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-  
jar/org/apache/xpath/domapi/XPathStylesheetDOM3Exception.java

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* distributed under the License is distributed on an "AS IS" BASIS,
* 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.
*/
// Proprietary
/** The 'document-location()' id (Proprietary). */
```

Found in path(s):

```
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xpath/compiler/FunctionTable.java
```

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

```
/*
```

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* distributed under the License is distributed on an "AS IS" BASIS,
* 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.
*/
// is found, then throw a special exception in order to terminate
```

Found in path(s):

```
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-
jar/org/apache/xalan/processor/TransformerFactoryImpl.java
```

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```
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```

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```

```

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* WITHOUT WARRANTIES OR CONDITIONS OF ANY KIND, either express or implied.
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* limitations under the License.
*/
/*
* $Id: xpath.lex 1225752 2011-12-30 04:12:46Z mrglavas $
*/

```

```

/*
* @author Jacek Ambroziak
* @author Santiago Pericas-Geertsen
* @author Morten Jorgensen
*
*/

```

```
package org.apache.xalan.xsltc.compiler;
```

```

import java_cup.runtime.Symbol;
%%
%cup
%unicode
%class XPathLexer
%yyeof

%{
    int last;

    void initialize() {
        last = -1;
    }

    static boolean isWhitespace(int c) {
        return (c == ' ' || c == '\t' || c == '\r' || c == '\n' || c == '\f');
    }

/**
 * If symbol is not followed by ':' or '(', then treat it as a
 * name instead of an axis or function (Jira-1912).

```

```

*/
Symbol disambiguateAxisOrFunction(int ss) throws Exception {
    // Peek in the input buffer without changing the internal state
    int index = yy_buffer_index;

    // Skip whitespace
    while (index < yy_buffer_read && isWhitespace(yy_buffer[index])) {
        index++;
    }

    // If end of buffer, can't disambiguate :(
    if (index >= yy_buffer_read) {
        // Can't disambiguate, so return as symbol
        return new Symbol(ss);
    }

    // Return symbol if next token is ':' or '('
    return (yy_buffer[index] == ':' && yy_buffer[index+1] == ':' ||
            yy_buffer[index] == '(') ?
        newSymbol(ss) : newSymbol(sym.QNAME, yytext());
}

```

```

/**
 * If symbol is first token or if it follows any of the operators
 * listed in http://www.w3.org/TR/xpath#exprlex then treat as a
 * name instead of a keyword (Jira-1912).
 */

```

```

Symbol disambiguateOperator(int ss) throws Exception {
    switch (last) {
        case -1: // first token
        case sym.ATSIGN:
        case sym.DCOLON:
        case sym.LPAREN:
        case sym.LBRACK:
        case sym.COMMA:
        case sym.AND:
        case sym.OR:
        case sym.MOD:
        case sym.DIV:
        case sym.MULT:
        case sym.SLASH:
        case sym.DSLASH:
        case sym.VBAR:
        case sym.PLUS:
        case sym.MINUS:
        case sym.EQ:
        case sym.NE:
        case sym.LT:

```

```

    case sym.LE:
    case sym.GT:
    case sym.GE:
        return newSymbol(sym.QNAME, yytext());
    }
    return newSymbol(ss);
}

/**
 * If symbol is first token or if it follows any of the operators
 * listed in http://www.w3.org/TR/xpath#exprlex then treat as a
 * wildcard instead of a multiplication operator
 */
Symbol disambiguateStar() throws Exception {
    switch (last) {
        case -1: // first token
        case sym.ATSIGN:
        case sym.DCOLON:
        case sym.LPAREN:
        case sym.LBRACK:
        case sym.COMMA:
        case sym.AND:
        case sym.OR:
        case sym.MOD:
        case sym.DIV:
        case sym.MULT:
        case sym.SLASH:
        case sym.DSLASH:
        case sym.VBAR:
        case sym.PLUS:
        case sym.MINUS:
        case sym.EQ:
        case sym.NE:
        case sym.LT:
        case sym.LE:
        case sym.GT:
        case sym.GE:
            return newSymbol(sym.STAR);
        }
        return newSymbol(sym.MULT);
    }

    Symbol newSymbol(int ss) {
        last = ss;
        return new Symbol(ss);
    }

    Symbol newSymbol(int ss, String value) {

```



```

    last = ss;
    return new Symbol(ss, value);
}

Symbol newSymbol(int ss, Long value) {
    last = ss;
    return new Symbol(ss, value);
}

Symbol newSymbol(int ss, Double value) {
    last = ss;
    return new Symbol(ss, value);
}
%}

%eofval{
return newSymbol(sym.EOF);
%eofval}

%yylexthrow{
Exception
%yylexthrow}

Letter={BaseChar}|{Ideographic}

BaseChar=[\u0041-\u005A\u0061-\u007A\u00C0-\u00D6\u00D8-\u00F6\u00F8-\u00FF\u0100-\u0131\u0134-
\u013E\u0141-\u0148\u014A-\u017E\u0180-\u01C3\u01CD-\u01F0\u01F4-\u01F5\u01FA-\u0217\u0250-
\u02A8\u02BB-\u02C1\u0386\u0388-\u038A\u038C\u038E-\u03A1\u03A3-\u03CE\u03D0-
\u03D6\u03DA\u03DC\u03DE\u03E0\u03E2-\u03F3\u0401-\u040C\u040E-\u044F\u0451-\u045C\u045E-
\u0481\u0490-\u04C4\u04C7-\u04C8\u04CB-\u04CC\u04D0-\u04EB\u04EE-\u04F5\u04F8-\u04F9\u0531-
\u0556\u0559\u0561-\u0586\u05D0-\u05EA\u05F0-\u05F2\u0621-\u063A\u0641-\u064A\u0671-\u06B7\u06BA-
\u06BE\u06C0-\u06CE\u06D0-\u06D3\u06D5\u06E5-\u06E6\u0905-\u0939\u093D\u0958-\u0961\u0985-
\u098C\u098F-\u0990\u0993-\u09A8\u09AA-\u09B0\u09B2\u09B6-\u09B9\u09DC-\u09DD\u09DF-
\u09E1\u09F0-\u09F1\u0A05-\u0A0A\u0A0F-\u0A10\u0A13-\u0A28\u0A2A-\u0A30\u0A32-\u0A33\u0A35-
\u0A36\u0A38-\u0A39\u0A59-\u0A5C\u0A5E\u0A72-\u0A74\u0A85-\u0A8B\u0A8D\u0A8F-\u0A91\u0A93-
\u0AA8\u0AAA-\u0AB0\u0AB2-\u0AB3\u0AB5-\u0AB9\u0ABD\u0AE0\u0B05-\u0B0C\u0B0F-\u0B10\u0B13-
\u0B28\u0B2A-\u0B30\u0B32-\u0B33\u0B36-\u0B39\u0B3D\u0B5C-\u0B5D\u0B5F-\u0B61\u0B85-
\u0B8A\u0B8E-\u0B90\u0B92-\u0B95\u0B99-\u0B9A\u0B9C\u0B9E-\u0B9F\u0BA3-\u0BA4\u0BA8-
\u0BAA\u0BAE-\u0BB5\u0BB7-\u0BB9\u0C05-\u0C0C\u0C0E-\u0C10\u0C12-\u0C28\u0C2A-\u0C33\u0C35-
\u0C39\u0C60-\u0C61\u0C85-\u0C8C\u0C8E-\u0C90\u0C92-\u0CA8\u0CAA-\u0CB3\u0CB5-
\u0CB9\u0CDE\u0CE0-\u0CE1\u0D05-\u0D0C\u0D0E-\u0D10\u0D12-\u0D28\u0D2A-\u0D39\u0D60-
\u0D61\u0E01-\u0E2E\u0E30\u0E32-\u0E33\u0E40-\u0E45\u0E81-\u0E82\u0E84\u0E87-
\u0E88\u0E8A\u0E8D\u0E94-\u0E97\u0E99-\u0E9F\u0EA1-\u0EA3\u0EA5\u0EA7\u0EAA-\u0EAB\u0EAD-
\u0EAE\u0EB0\u0EB2-\u0EB3\u0EBD\u0EC0-\u0EC4\u0F40-\u0F47\u0F49-\u0F69\u10A0-\u10C5\u10D0-
\u10F6\u1100\u1102-\u1103\u1105-\u1107\u1109\u110B-\u110C\u110E-
\u1112\u1113C\u1113E\u1140\u114C\u114E\u1150\u1154-\u1155\u1159\u115F-
\u1161\u1163\u1165\u1167\u1169\u116D-\u116E\u1172-\u1173\u1175\u119E\u11A8\u11AB\u11AE-
\u11AF\u11B7-\u11B8\u11BA\u11BC-\u11C2\u11EB\u11F0\u11F9\u1E00-\u1E9B\u1EA0-\u1EF9\u1F00-

```

\u1F15\u1F18-\u1F1D\u1F20-\u1F45\u1F48-\u1F4D\u1F50-\u1F57\u1F59\u1F5B\u1F5D\u1F5F-\u1F7D\u1F80-\u1FB4\u1FB6-\u1FBC\u1FBE\u1FC2-\u1FC4\u1FC6-\u1FCC\u1FD0-\u1FD3\u1FD6-\u1FDB\u1FE0-\u1FEC\u1FF2-\u1FF4\u1FF6-\u1FFC\u2126\u212A-\u212B\u212E\u2180-\u2182\u3041-\u3094\u30A1-\u30FA\u3105-\u312C\uAC00-\uD7A3]

Ideographic=[\u4E00-\u9FA5\u3007\u3021-\u3029]

CombiningChar=[\u0300-\u0345\u0360-\u0361\u0483-\u0486\u0591-\u05A1\u05A3-\u05B9\u05BB-\u05BD\u05BF\u05C1-\u05C2\u05C4\u064B-\u0652\u0670\u06D6-\u06DC\u06DD-\u06DF\u06E0-\u06E4\u06E7-\u06E8\u06EA-\u06ED\u0901-\u0903\u093C\u093E-\u094C\u094D\u0951-\u0954\u0962-\u0963\u0981-\u0983\u09BC\u09BE\u09BF\u09C0-\u09C4\u09C7-\u09C8\u09CB-\u09CD\u09D7\u09E2-\u09E3\u0A02\u0A3C\u0A3E\u0A3F\u0A40-\u0A42\u0A47-\u0A48\u0A4B-\u0A4D\u0A70-\u0A71\u0A81-\u0A83\u0ABC\u0ABE-\u0AC5\u0AC7-\u0AC9\u0ACB-\u0ACD\u0B01-\u0B03\u0B3C\u0B3E-\u0B43\u0B47-\u0B48\u0B4B-\u0B4D\u0B56-\u0B57\u0B82-\u0B83\u0BBE-\u0BC2\u0BC6-\u0BC8\u0BCA-\u0BCD\u0BD7\u0C01-\u0C03\u0C3E-\u0C44\u0C46-\u0C48\u0C4A-\u0C4D\u0C55-\u0C56\u0C82-\u0C83\u0CBE-\u0CC4\u0CC6-\u0CC8\u0CCA-\u0CCD\u0CD5-\u0CD6\u0D02-\u0D03\u0D3E-\u0D43\u0D46-\u0D48\u0D4A-\u0D4D\u0D57\u0E31\u0E34-\u0E3A\u0E47-\u0E4E\u0EB1\u0EB4-\u0EB9\u0EBB-\u0EBC\u0EC8-\u0ECD\u0F18-\u0F19\u0F35\u0F37\u0F39\u0F3E\u0F3F\u0F71-\u0F84\u0F86-\u0F8B\u0F90-\u0F95\u0F97\u0F99-\u0FAD\u0FB1-\u0FB7\u0FB9\u20D0-\u20DC\u20E1\u302A-\u302F\u3099\u309A]

Digit=[\u0030-\u0039\u0660-\u0669\u06F0-\u06F9\u0966-\u096F\u09E6-\u09EF\u0A66-\u0A6F\u0AE6-\u0AEF\u0B66-\u0B6F\u0BE7-\u0BEF\u0C66-\u0C6F\u0CE6-\u0CEF\u0D66-\u0D6F\u0E50-\u0E59\u0ED0-\u0ED9\u0F20-\u0F29]

Extender=[\u00B7\u02D0\u02D1\u0387\u0640\u0E46\u0EC6\u3005\u3031-\u3035\u309D-\u309E\u30FC-\u30FE]

NCName={({Letter}}|"\_"){NCNameStartChar})({NCNameChar})\*

NCNameChar={Letter}|{Digit}|"."-""\_|{CombiningChar}|{Extender}|{NCNameStartChar}| [\u00B7 | [\u0300-\u036F] | [\u203F-\u2040] | [\u0130-\u0136]

NCNameStartChar=[\u0041-\u005A\u0061-\u007A\u00C0-\u00D6\u00D8-\u00F6\u00F8-\u02FF\u0370-\u037D\u037F-\u1FFF\u200C-\u200D\u2070-\u218F\u2C00-\u2FEF\u3001-\uD7FF\uF900-\uFDCF\uFDF0-\uFFFF] | \u005F |({HighSurrogate}{LowSurrogate})

HighSurrogate=[\uD800-\uDBFF]

LowSurrogate=[\uDC00-\uDFFF]

%%

```
"*"      { return disambiguateStar(); }
"/"      { return newSymbol(sym.SLASH); }
"+"      { return newSymbol(sym.PLUS); }
"-"      { return newSymbol(sym.MINUS); }
"div"    { return disambiguateOperator(sym.DIV); }
"mod"    { return disambiguateOperator(sym.MOD); }
"::"     { return newSymbol(sym.DCOLON); }
```

```

","          { return newSymbol(sym.COMMA); }
"@"         { return newSymbol(sym.ATSIGN); }
".."        { return newSymbol(sym.DDOT); }
"|"         { return newSymbol(sym.VBAR); }
"$"         { return newSymbol(sym.DOLLAR); }
"//"         { return newSymbol(sym.DSLASH); }
"="         { return newSymbol(sym.EQ); }
"!="        { return newSymbol(sym.NE); }
"<"         { return newSymbol(sym.LT); }
">"         { return newSymbol(sym.GT); }
"<="        { return newSymbol(sym.LE); }
">="        { return newSymbol(sym.GE); }
"id"         { return disambiguateAxisOrFunction(sym.ID); }
"key"        { return disambiguateAxisOrFunction(sym.KEY); }
"text()"     { return newSymbol(sym.TEXT); }
"text"+[ \t\r\n\f]+"() { return newSymbol(sym.TEXT); }
"node()"     { return newSymbol(sym.NODE); }
"node"+[ \t\r\n\f]+"() { return newSymbol(sym.NODE); }
"comment()"  { return newSymbol(sym.COMMENT); }
"comment"+[ \t\r\n\f]+"() { return newSymbol(sym.COMMENT); }
"processing-instruction" { return disambiguateAxisOrFunction(sym.PIPARAM); }
"processing-instruction()" { return newSymbol(sym.PI); }
"processing-instruction"+[ \t\r\n\f]+"() { return newSymbol(sym.PI); }
"or"         { return disambiguateOperator(sym.OR); }
"and"        { return disambiguateOperator(sym.AND); }
"child"      { return disambiguateAxisOrFunction(sym.CHILD); }
"attribute"  { return disambiguateAxisOrFunction(sym.ATTRIBUTE); }
"ancestor"   { return disambiguateAxisOrFunction(sym.ANCESTOR); }
"ancestor-or-self" { return disambiguateAxisOrFunction(sym.ANCESTORORSELF); }
"descendant" { return disambiguateAxisOrFunction(sym.DESCENDANT); }
"descendant-or-self" { return disambiguateAxisOrFunction(sym.DESCENDANTORSELF); }
"following"  { return disambiguateAxisOrFunction(sym.FOLLOWING); }
"following-sibling" { return disambiguateAxisOrFunction(sym.FOLLOWINGSIBLING); }
"namespace"  { return disambiguateAxisOrFunction(sym.NAMESPACE); }
"parent"     { return disambiguateAxisOrFunction(sym.PARENT); }
"preceding"  { return disambiguateAxisOrFunction(sym.PRECEDING); }
"preceding-sibling" { return disambiguateAxisOrFunction(sym.PRECEDINGSIBLING); }
"self"       { return disambiguateAxisOrFunction(sym.SELF); }
"["          { return newSymbol(sym.LBRACK); }
"]"          { return newSymbol(sym.RBRACK); }
"("          { return newSymbol(sym.LPAREN); }
")"          { return newSymbol(sym.RPAREN); }
"<PATTERN>" { initialize(); return new Symbol(sym.PATTERN); }
"<EXPRESSION>" { initialize(); return new Symbol(sym.EXPRESSION); }
"^[^"]*"     { return newSymbol(sym.Literal,
    yytext().substring(1, yytext().length() - 1)); }
"^[^']*"     { return newSymbol(sym.Literal,
    yytext().substring(1, yytext().length() - 1)); }

```

```

{Digit}+      { return newSymbol(sym.INT, new Long(yytext())); }
{Digit}+("."{Digit}*)? { return newSymbol(sym.REAL, new Double(yytext())); }
"."{Digit}+   { return newSymbol(sym.REAL, new Double(yytext())); }
"."          { return newSymbol(sym.DOT); }
({NCName}":")?{NCName} { return newSymbol(sym.QNAME, yytext()); }
({NCName}":")?@"*      { return newSymbol(sym.QNAME, yytext()); }
({NCName}":")?@"*     { return newSymbol(sym.QNAME, yytext()); }
[\\t\\r\\n\\f]      { /* ignore white space. */ }
.                { throw new Exception(yytext()); }

```

Found in path(s):

```
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xsltc/compiler/xpath.lex
```

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```

* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/res/package.html
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/utils/package.html
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/lib/package.html
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/operations/package.html
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/compiler/package.html
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/processor/package.html
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/client/package.html
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/patterns/package.html
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/functions/package.html
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/objects/package.html
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/package.html
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/res/package.html
* /opt/cola/permits/1127075804_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xml/serializer/package.html

```

\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/templates/package.html  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/extensions/package.html  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/transformer/package.html  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/domapi/package.html  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/trace/package.html  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xpath/axes/package.html  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/lib/sql/package.html  
\* /opt/cola/permits/1127075804\_1611755843.23/0/xalan-2-7-2-sources-jar/org/apache/xalan/xslt/package.html

# 1.851 netty-transport-native-unix-common

## 4.1.42.Final

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\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/META-INF/maven/io.netty/netty-transport-native-unix-common/pom.xml

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\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/io/netty/channel/unix/ErrorsStaticallyReferencedJniMethods.java  
\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/netty\_unix\_limits.c  
\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/io/netty/channel/unix/LimitsStaticallyReferencedJniMethods.java  
\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/netty\_unix\_util.h  
\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/io/netty/channel/unix/SocketWritableByteChannel.java  
\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/io/netty/channel/unix/PeerCredentials.java  
\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/io/netty/channel/unix/Limits.java  
\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/netty\_unix\_limits.h  
\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/netty\_unix\_util.c

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\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/io/netty/channel/unix/DomainSocketChannelConfig.java  
\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/netty\_unix\_socket.h  
\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/netty\_unix\_filedescriptor.c  
\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/io/netty/channel/unix/UnixChannel.java  
\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/io/netty/channel/unix/DomainSocketReadMode.java  
\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/netty\_unix\_filedescriptor.h  
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\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/io/netty/channel/unix/DomainSocketAddress.java  
\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/io/netty/channel/unix/NativeInetAddress.java  
\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/io/netty/channel/unix/DatagramSocketAddress.java  
\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/io/netty/channel/unix/ServerDomainSocketChannel.java  
\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/io/netty/channel/unix/FileDescriptor.java  
\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/io/netty/channel/unix/DomainSocketChannel.java  
\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/io/netty/channel/unix/Errors.java

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\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/io/netty/channel/unix/UnixChannelOption.java

\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/io/netty/channel/unix/IovArray.java

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\* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/netty\_unix\_buffer.c

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- \* /opt/cola/permits/1132244357\_1613132141.63/0/netty-transport-native-unix-common-4-1-42-final-sources-3-jar/netty\_unix\_jni.h

## 1.852 jsr305 3.0.2

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- \* /opt/cola/permits/1135861076\_1613617584.8/0/jsr305-3-0-2-sources-4-jar/javax/annotation/concurrent/ThreadSafe.java
- \* /opt/cola/permits/1135861076\_1613617584.8/0/jsr305-3-0-2-sources-4-jar/javax/annotation/concurrent/Immutable.java
- \* /opt/cola/permits/1135861076\_1613617584.8/0/jsr305-3-0-2-sources-4-jar/javax/annotation/concurrent/NotThreadSafe.java

## 1.853 commons-digester 1.8.1

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# 1.857 commons-validator 1.6

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```
*/opt/cola/permits/1136608113_1613806609.4/0/jul-to-slf4j-1-7-28-sources-1-
jar/org/slf4j/bridge/SLF4JBridgeHandler.java
```

## 1.859 istack-commons 3.0.5

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```

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\* `/opt/cola/permits/1145142271_1654022862.6890676/0/istack-commons-runtime-3-0-5-jar/META-  
INF/maven/com.sun.istack/istack-commons-runtime/pom.xml`

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Manifest-Version: 1.0

Bundle-Description: istack common utility code

Implementation-Title: istack common utility code runtime

Bundle-License: [https://glassfish.java.net/public/CDDL+GPL\\_1\\_1.html](https://glassfish.java.net/public/CDDL+GPL_1_1.html), [https://glassfish.java.net/public/CDDL+GPL\\_1\\_1.html](https://glassfish.java.net/public/CDDL+GPL_1_1.html)

Bundle-SymbolicName: com.sun.istack.commons-runtime

Implementation-Version: 3.0.5

Built-By: build

Bnd-LastModified: 1486772850426

Bundle-ManifestVersion: 2

Implementation-Vendor-Id: com.sun.istack

Bundle-DocURL: <http://www.oracle.com/>  
Bundle-Vendor: Oracle Corporation  
Import-Package: javax.activation,javax.xml.namespace,javax.xml.stream,  
org.xml.sax,org.xml.sax.helpers  
Require-Capability: osgi.ee;filter="(&(osgi.ee=JavaSE)(version=1.7))"  
Tool: Bnd-3.2.0.201605172007  
Implementation-Vendor: Oracle Corporation  
Export-Package: com.sun.istack;uses:="javax.activation,javax.xml.strea  
m,org.xml.sax,org.xml.sax.helpers";version="3.0.5",com.sun.istack.log  
ging;version="3.0.5",com.sun.istack.localization;version="3.0.5"  
Bundle-Name: istack common utility code runtime  
Bundle-Version: 3.0.5  
Implementation-Build-Id: tags/istack-commons-3.0.5-321, 2017-02-11T01:  
27:24+0100  
Created-By: Apache Maven Bundle Plugin  
Build-Jdk: 1.8.0\_112

Found in path(s):

\* /opt/cola/permits/1145142271\_1654022862.6890676/0/istack-commons-runtime-3-0-5-jar/META-  
INF/MANIFEST.MF

# 1.860 jnr-x86asm 1.0.2

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## 1.861 metrics-core 2.2.0

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\* [http://gee.cs.oswego.edu/cgi-](http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/main/java/util/concurrent/ThreadLocalRandom.java?view=markup)

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Found in path(s):

\* /opt/cola/permits/1145440743\_1616178883.36/0/metrics-core-2-2-0-sources-5-jar/com/yammer/metrics/stats/ThreadLocalRandom.java

## 1.862 regexp 2.7.2

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\* /opt/cola/permits/1134796780\_1613422074.14/0/archive-259-zip/CharacterIterator.java

\* /opt/cola/permits/1134796780\_1613422074.14/0/archive-259-zip/RE.java

- \* /opt/cola/permits/1134796780\_1613422074.14/0/archive-259-zip/recompile.java
- \* /opt/cola/permits/1134796780\_1613422074.14/0/archive-259-zip/RESyntaxException.java
- \* /opt/cola/permits/1134796780\_1613422074.14/0/archive-259-zip/REProgram.java
- \* /opt/cola/permits/1134796780\_1613422074.14/0/archive-259-zip/REUtil.java
- \* /opt/cola/permits/1134796780\_1613422074.14/0/archive-259-zip/REDebugCompiler.java
- \* /opt/cola/permits/1134796780\_1613422074.14/0/archive-259-zip/REDemo.java
- \* /opt/cola/permits/1134796780\_1613422074.14/0/archive-259-zip/ReaderCharacterIterator.java
- \* /opt/cola/permits/1134796780\_1613422074.14/0/archive-259-zip/CharArrayCharacterIterator.java
- \* /opt/cola/permits/1134796780\_1613422074.14/0/archive-259-zip/RETest.java
- \* /opt/cola/permits/1134796780\_1613422074.14/0/archive-259-zip/StringCharacterIterator.java

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# 1.866 libtasn 4.13-2

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# 1.868 python 3.6.7-1~18.04

## 1.868.1 Available under license :

This is the Debian GNU/Linux prepackaged version of the Python programming language. Python was written by Guido van Rossum [guido@cw.nl](mailto:guido@cw.nl) and others.

This package was put together by Klee Dienes [klee@debian.org](mailto:klee@debian.org) from

sources from [ftp.python.org/pub/python](http://ftp.python.org/pub/python), based on the Debianization by the previous maintainers Bernd S. Brentrup <[bsb@uni-muenster.de](mailto:bsb@uni-muenster.de)> and Bruce Perens.

Current maintainer is Matthias Klose <[doko@debian.org](mailto:doko@debian.org)> until the final 2.3 version is released.

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A. HISTORY OF THE SOFTWARE  
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Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see <http://www.cwi.nl>) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see <http://www.cnri.reston.va.us>) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see <http://www.zope.com>). In 2001, the Python Software Foundation (PSF, see <http://www.python.org/psf/>) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see <http://www.opensource.org> for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

Release	Derived from	Year	Owner	GPL-compatible? (1)
0.9.0 thru 1.2		1991-1995	CWI	yes
1.3 thru 1.5.2	1.2	1995-1999	CNRI	yes
1.6	1.5.2	2000	CNRI	no
2.0	1.6	2000	BeOpen.com	no
1.6.1	1.6	2001	CNRI	yes (2)
2.1	2.0+1.6.1	2001	PSF	no
2.0.1	2.0+1.6.1	2001	PSF	yes

2.1.1	2.1+2.0.1	2001	PSF	yes
2.2	2.1.1	2001	PSF	yes
2.1.2	2.1.1	2002	PSF	yes
2.1.3	2.1.2	2002	PSF	yes
2.2.1	2.2	2002	PSF	yes
2.2.2	2.2.1	2002	PSF	yes
2.2.3	2.2.2	2003	PSF	yes
2.3	2.2.2	2002-2003	PSF	yes
2.3.1	2.3	2002-2003	PSF	yes
2.3.2	2.3.1	2002-2003	PSF	yes
2.3.3	2.3.2	2002-2003	PSF	yes
2.3.4	2.3.3	2004	PSF	yes
2.3.5	2.3.4	2005	PSF	yes
2.4	2.3	2004	PSF	yes
2.4.1	2.4	2005	PSF	yes
2.4.2	2.4.1	2005	PSF	yes
2.4.3	2.4.2	2006	PSF	yes
2.4.4	2.4.3	2006	PSF	yes
2.5	2.4	2006	PSF	yes
2.5.1	2.5	2007	PSF	yes
2.5.2	2.5.1	2008	PSF	yes
2.5.3	2.5.2	2008	PSF	yes
2.6	2.5	2008	PSF	yes
2.6.1	2.6	2008	PSF	yes
2.6.2	2.6.1	2009	PSF	yes
2.6.3	2.6.2	2009	PSF	yes
2.6.4	2.6.3	2009	PSF	yes
3.0	2.6	2008	PSF	yes
3.0.1	3.0	2009	PSF	yes
3.1	3.0.1	2009	PSF	yes
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(2) According to Richard Stallman, 1.6.1 is not GPL-compatible, because its license has a choice of law clause. According to CNRI, however, Stallman's lawyer has told CNRI's lawyer that 1.6.1 is "not incompatible" with the GPL.

Thanks to the many outside volunteers who have worked under Guido's direction to make these releases possible.

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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/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/base/SmallCharMatcher.java
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```
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/eventbus/Dispatcher.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/eventbus/SubscriberRegistry.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/util/concurrent/TrustedListenableFutureTask.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/util/concurrent/ListenerCallQueue.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/base/MoreObjects.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/eventbus/Subscriber.java
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Found in path(s):

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/collect/GenericMapMaker.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

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jar/com/google/common/collect/Hashing.java

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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/base/FunctionalEquivalence.java
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* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/SortedMultisets.java
* /opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/collect/SortedMultiset.java
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jar/com/google/common/base/internal/Finalizer.java

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jar/com/google/common/collect/RegularContiguousSet.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/hash/Crc32cHashFunction.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/hash/BloomFilterStrategies.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/hash/MessageDigestHashFunction.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/collect/RegularImmutableMultiset.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/collect/EmptyContiguousSet.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/hash/Funnels.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/collect/AbstractSortedMultiset.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/Funnel.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/BloomFilter.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/DescendingImmutableSortedMultiset.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/TreeRangeSet.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/AbstractStreamingHashFunction.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/AbstractHasher.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/Hashing.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/BoundType.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/Queues.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/PrimitiveSink.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/Hasher.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/Murmur3\_128HashFunction.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/HashCode.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/HashingOutputStream.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/Murmur3\_32HashFunction.java  
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- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ReverseNaturalOrdering.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/package-info.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/Constraints.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/package-info.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ClassToInstanceMap.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/NullsLastOrdering.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Supplier.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/Constraint.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/eventbus/EventBus.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ComparatorOrdering.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/Files.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/Closeables.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/LexicographicalOrdering.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Throwables.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingListIterator.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/InputSupplier.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/HashMultiset.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/AbstractSortedSetMultimap.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/CountingOutputStream.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/SortedSetMultimap.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingSet.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/Resources.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingConcurrentMap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/MapConstraint.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingMultimap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/ListenableFuture.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/Multiset.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/Multimaps.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/FinalizableWeakReference.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ImmutableSet.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/AbstractFuture.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/eventbus/AsyncEventBus.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingCollection.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingQueue.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingIterator.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ExplicitOrdering.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/HashMultimap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/Maps.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Charsets.java  
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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/AbstractIterator.java  
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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/eventbus/AllowConcurrentEvents.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingMap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/AbstractMultiset.java



\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/FinalizableSoftReference.java  
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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/ExecutionList.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ObjectArrays.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Predicate.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/SetMultimap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ByFunctionOrdering.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingSortedMap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/FinalizablePhantomReference.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingMapEntry.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/Multimap.java  
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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/Ordering.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/Sets.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/LinkedHashMultimap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/eventbus/package-info.java  
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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/ByteStreams.java  
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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/AbstractListMultimap.java  
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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/EnumHashMap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingList.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/Iterators.java  
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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/LittleEndianDataOutputStream.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/AbstractSetMultimap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Function.java  
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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/AbstractMapBasedMultiset.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/Flushables.java  
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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/package-info.java  
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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingObject.java  
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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.
*/
```

Found in path(s):

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*/opt/cola/permits/1150909099_1617718347.03/0/guava-19-0-sources-5-
jar/com/google/common/util/concurrent/Striped.java
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jar/com/google/common/cache/RemovalCause.java
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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/cache/AbstractCache.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/cache/CacheBuilderSpec.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Enums.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/cache/AbstractLoadingCache.java  
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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/math/package-info.java  
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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/AbstractCompositeHashFunction.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/math/IntMath.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/cache/RemovalNotification.java  
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jar/com/google/common/base/Optional.java  
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jar/com/google/common/reflect/TypeParameter.java  
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jar/com/google/common/collect/GwtTransient.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/util/concurrent/CycleDetectingLockFactory.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/net/HostAndPort.java  
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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/cache/LoadingCache.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/util/concurrent/WrappingExecutorService.java  
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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/FilteredEntryMultimap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/DescendingImmutableSortedSet.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/ServiceManager.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/CharSource.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/AbstractNavigableMap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/reflect/Parameter.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingImmutableList.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/DescendingMultiset.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/FilteredSetMultimap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/reflect/package-info.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/EvictingQueue.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingNavigableSet.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/reflect/MutableTypeToInstanceMap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/CharSink.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/TransformedListIterator.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/TransformedIterator.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/FilteredKeyListMultimap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/FilteredMultimap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/escape/package-info.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/TreeTraverser.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/FilteredEntrySetMultimap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/UnmodifiableSortedMultiset.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-

jar/com/google/common/collect/SortedMultisetBridge.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/reflect/Element.java  
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jar/com/google/common/base/VerifyException.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/collect/FilteredMultimapValues.java

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/HashingInputStream.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Utf8.java  
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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Preconditions.java

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- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingTable.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/net/UrlEscapers.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/SettableFuture.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/Service.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/AbstractIdleService.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/ForwardingListenableFuture.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/SingletonImmutableTable.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/RegularImmutableSortedSet.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/xml/XmlEscapers.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/primitives/SignedBytes.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ImmutableClassToInstanceMap.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ComputationException.java
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- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/io/LineProcessor.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ComparisonChain.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/EmptyImmutableSetMultimap.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/DiscreteDomain.java
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- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/reflect/TypeResolver.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/escape/Platform.java
- \* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-

jar/com/google/common/cache/LocalCache.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/util/concurrent/AbstractService.java  
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jar/com/google/common/collect/ArrayTable.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/collect/SingletonImmutableList.java  
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jar/com/google/common/io/ByteProcessor.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/collect/ImmutableSortedMapFauxverideShim.java  
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jar/com/google/common/cache/CacheBuilder.java  
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jar/com/google/common/primitives/UnsignedBytes.java  
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jar/com/google/common/base/Platform.java  
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jar/com/google/common/collect/ImmutableEnumSet.java  
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jar/com/google/common/collect/RegularImmutableList.java  
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jar/com/google/common/collect/ImmutableSortedSetFauxverideShim.java  
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jar/com/google/common/util/concurrent/Callables.java  
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jar/com/google/common/util/concurrent/ForwardingFuture.java  
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jar/com/google/common/collect/AbstractIndexedListIterator.java  
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jar/com/google/common/html/HtmlEscapers.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/escape/ArrayBasedEscaperMap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/collect/ImmutableTable.java  
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jar/com/google/common/collect/ImmutableSetMultimap.java  
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jar/com/google/common/collect/ImmutableAsList.java

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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/escape/ArrayBasedUnicodeEscaper.java  
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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ImmutableSortedMultisetFauxverideShim.java  
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jar/com/google/common/collect/MapMaker.java  
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jar/com/google/common/collect/MapMakerInternalMap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/Cut.java  
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jar/com/google/common/collect/SparseImmutableTable.java  
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jar/com/google/common/collect/RegularImmutableTable.java

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jar/com/google/common/collect/ForwardingSortedSetMultimap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/collect/ForwardingImmutableCollection.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/collect/MinMaxPriorityQueue.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-  
jar/com/google/common/annotations/package-info.java



\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/UnmodifiableListIterator.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/SortedMapDifference.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/RowSortedTable.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/annotations/Beta.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingSetMultimap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/Atomics.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Strings.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/primitives/package-info.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Equivalence.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/base/Ascii.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/AbstractSequentialIterator.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ForwardingListMultimap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/ForwardingBlockingQueue.java  
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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/ThreadFactoryBuilder.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/Monitor.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/ListeningExecutorService.java  
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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ImmutableMapValues.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/net/InetAddresses.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ImmutableBiMap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/primitives/Booleans.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ImmutableMapKeySet.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ImmutableMap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/util/concurrent/SerializingExecutor.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/RegularImmutableMap.java  
\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/StandardRowSortedTable.java  
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jar/com/google/thirdparty/publicsuffix/TrieParser.java  
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jar/com/google/common/collect/StandardTable.java  
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jar/com/google/common/collect/ImmutableListMultimap.java  
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jar/com/google/common/collect/ImmutableEntry.java

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Found in path(s):

\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/hash/package-  
info.java

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\* /opt/cola/permits/1150909099\_1617718347.03/0/guava-19-0-sources-5-jar/com/google/common/collect/ImmutableSortedAsList.java

# 1.882 commons-codec 1.11

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## 1.883 scala-reflect 2.12.8

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\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/util/Set.scala  
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\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/Reporting.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/api/Trees.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-

jar/scala/reflect/internal/Printers.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/io/Streamable.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/util/Origins.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/JDK9Reflectors.java  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/util/Position.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/JavaAccFlags.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/util/package.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/macros/blackbox/Context.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/Internals.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/transform/Transforms.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/Variances.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/util/SourceFile.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/Types.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/macros/whitebox/Context.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/io/VirtualFile.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/io/AbstractFile.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/api/TypeCreator.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/api/package.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/api/Liftables.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/api/Universe.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/ReificationSupport.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/Depth.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/pickling/UnPickler.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/api/ImplicitTags.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/Trees.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/StdCreators.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/FlagSets.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-

jar/scala/reflect/internal/Symbols.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/macros/Internals.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/Names.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/macros/Reifiers.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/util/AbstractFileClassLoader.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/Variance.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/Importers.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/ExistentialsAndSkolems.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/macros/Infrastructure.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/api/Scopes.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/io/VirtualDirectory.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/io/NoAbstractFile.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/pickling/PickleBuffer.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/SymbolPairs.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/api/Symbols.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/util/FileUtils.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/util/ThreeValues.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/api/Mirrors.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/runtime/JavaMirrors.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/pickling/ByteCodecs.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/Scopes.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/api/Annotations.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/macros/Evals.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/SymbolTable.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/util/ScalaClassLoader.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/api/Names.scala  
\* /opt/cola/permits/1150909259\_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/internal/TypeDebugging.scala

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* /opt/cola/permits/1150909259_1617718339.9/0/scala-reflect-2-12-8-sources-3-
jar/scala/reflect/internal/util/Collections.scala
* /opt/cola/permits/1150909259_1617718339.9/0/scala-reflect-2-12-8-sources-3-
jar/scala/reflect/runtime/JavaUniverse.scala
* /opt/cola/permits/1150909259_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/api/Mirror.scala
* /opt/cola/permits/1150909259_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/api/Position.scala
* /opt/cola/permits/1150909259_1617718339.9/0/scala-reflect-2-12-8-sources-3-
jar/scala/reflect/internal/BaseTypeSeqs.scala
* /opt/cola/permits/1150909259_1617718339.9/0/scala-reflect-2-12-8-sources-3-
jar/scala/reflect/internal/util/TraceSymbolActivity.scala
* /opt/cola/permits/1150909259_1617718339.9/0/scala-reflect-2-12-8-sources-3-
jar/scala/reflect/internal/util/OwnerOnlyChmod.scala
* /opt/cola/permits/1150909259_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/api/Exprs.scala
* /opt/cola/permits/1150909259_1617718339.9/0/scala-reflect-2-12-8-sources-3-jar/scala/reflect/api/TypeTags.scala
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```

```
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* Scala (https://www.scala-lang.org)
*
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*/
/** The entry point into Scala runtime reflection.
*
* To use Scala runtime reflection, simply use or import `scala.reflect.runtime.universe._`
*
* See [[scala.reflect.api.Universe]] or the
* [[http://docs.scala-lang.org/overviews/reflection/environment-universes-mirrors.html Reflection Guide:
Universes]]
* for more details.
*/
```

Found in path(s):

```
* /opt/cola/permits/1150909259_1617718339.9/0/scala-reflect-2-12-8-sources-3-
jar/scala/reflect/runtime/package.scala
```

## 1.884 paranamer 2.8

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```
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jar/com/thoughtworks/paranamer/PositionalParanamer.java

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jar/com/thoughtworks/paranamer/JavadocParanamer.java

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\* /opt/cola/permits/1150909240\_1617718312.14/0/paranamer-2-8-sources-5-  
 jar/com/thoughtworks/paranamer/DefaultParanamer.java  
 \* /opt/cola/permits/1150909240\_1617718312.14/0/paranamer-2-8-sources-5-  
 jar/com/thoughtworks/paranamer/ParameterNamesNotFoundException.java  
 \* /opt/cola/permits/1150909240\_1617718312.14/0/paranamer-2-8-sources-5-  
 jar/com/thoughtworks/paranamer/AdaptiveParanamer.java  
 \* /opt/cola/permits/1150909240\_1617718312.14/0/paranamer-2-8-sources-5-  
 jar/com/thoughtworks/paranamer/CachingParanamer.java  
 \* /opt/cola/permits/1150909240\_1617718312.14/0/paranamer-2-8-sources-5-  
 jar/com/thoughtworks/paranamer/NullParanamer.java

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jar/com/thoughtworks/paranamer/BytecodeReadingParanamer.java

# 1.885 httpcomponents-core 4.4.12

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# 1.887 error\_prone\_annotations 2.3.3

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Found in path(s):

```
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
jar/com/google/errorprone/annotations/FormatString.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
jar/com/google/errorprone/annotations/FormatMethod.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
jar/com/google/errorprone/annotations/MustBeClosed.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
jar/com/google/errorprone/annotations/RestrictedApi.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
jar/com/google/errorprone/annotations/CompatibleWith.java
```

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```
*/opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
jar/com/google/errorprone/annotations/DoNotCall.java
*/opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
jar/com/google/errorprone/annotations/OverridingMethodsMustInvokeSuper.java
*/opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
jar/com/google/errorprone/annotations/CheckReturnValue.java
*/opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
jar/com/google/errorprone/annotations/concurrent/GuardedBy.java
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*/opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
jar/com/google/errorprone/annotations/NoAllocation.java
```



```
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
jar/com/google/errorprone/annotations/concurrent/UnlockMethod.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
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* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
jar/com/google/errorprone/annotations/CanIgnoreReturnValue.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
jar/com/google/errorprone/annotations/RequiredModifiers.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
jar/com/google/errorprone/annotations/SuppressPackageLocation.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
jar/com/google/errorprone/annotations/CompileTimeConstant.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
jar/com/google/errorprone/annotations/Immutable.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
jar/com/google/errorprone/annotations/Var.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
jar/com/google/errorprone/annotations/IncompatibleModifiers.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
jar/com/google/errorprone/annotations/concurrent/LazyInit.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-
jar/com/google/errorprone/annotations/ForOverride.java
```

## 1.888 datatype 1.3.04

## 1.888.1 Available under license :

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2000-05-05

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## 1.892 golang-glog v0.0.0-20160126235308-23def4e6c14b

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## 1.894 failureaccess 1.0.1

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\* /opt/cola/permits/1199742917\_1630577017.47/0/failureaccess-1-0-1-sources-3-jar/com/google/common/util/concurrent/internal/InternalFutureFailureAccess.java  
\* /opt/cola/permits/1199742917\_1630577017.47/0/failureaccess-1-0-1-sources-3-jar/com/google/common/util/concurrent/internal/InternalFutures.java

# 1.895 rxjava 1.3.8

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This package "rx.internal.operators" is for internal implementation details and can change at any time.

It is excluded from the public Javadocs (<http://netflix.github.io/RxJava/javadoc/>) and should not be relied upon by any code.

In short, changes to public signatures of these classes will not be accounted for in the versioning of RxJava.

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\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/README.md

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\* Original location: <https://github.com/JCTools/JCTools/blob/master/jctools-core/src/main/java/org/jctools/queues/atomic/BaseLinkedAtomicQueue.java>  
\*/

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\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/util/atomic/BaseLinkedAtomicQueue.java  
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\*/

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\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/util/unsafe/MpmcArrayQueue.java  
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\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/util/unsafe/SpmcArrayQueue.java

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libraries/source/browse/guava/src/com/google/common/annotations/Beta.java

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Found in path(s):

\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/util/atomic/MpscLinkedAtomicQueue.java

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\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/OnSubscribeFlatMapCompletable.java

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- \* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/schedulers/SchedulerLifecycle.java
- \* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/OnSubscribeReduce.java
- \* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/util/SuppressAnimalSniffer.java
- \* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/OnSubscribeTakeLastOne.java
- \* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/DeferredScalarSubscriber.java
- \* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/util/ExceptionsUtils.java
- \* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/OnSubscribeConcatMap.java
- \* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/OnSubscribeCollect.java
- \* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/SingleOnSubscribeUsing.java
- \* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/OnSubscribeFromCallable.java
- \* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/DeferredScalarSubscriberSafe.java
- \* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/SingleOperatorOnErrorResumeNext.java
- \* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/OnSubscribeReduceSeed.java
- \* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/OnSubscribePublishMulticast.java
- \* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/SingleOperatorZip.java

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\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/OperatorAsObservable.java

\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/OperatorToObservableSortedList.java

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\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/BufferUntilSubscriber.java

\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-

jar/rx/internal/operators/OperatorObserveOn.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/util/SubscriptionList.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/util/ScalarSynchronousObservable.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/OperatorDoOnSubscribe.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/CompletableOnSubscribeConcatIterable.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/OperatorWithLatestFromMany.java  
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\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/exceptions/UnsubscribeFailedException.java  
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\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/OperatorSkip.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/Producer.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/OnSubscribeTimeoutTimedWithFallback.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/OnSubscribeAmb.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/OperatorIgnoreElements.java  
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\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/Completable.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/subjects/PublishSubject.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/functions/Func6.java

\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/schedulers/NewThreadScheduler.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/subjects/Subject.java  
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\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/OperatorAll.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/NotificationLite.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/functions/Action5.java  
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\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/util/OpenHashSet.java

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This package contains code that relies on sun.misc.Unsafe. Before using it you MUST assert  
UnsafeAccess.isUnsafeAvailable() == true

Much of the code in this package comes from or is inspired by the JCTools project:  
<https://github.com/JCTools/JCTools>

JCTools has now published artifacts (<https://github.com/JCTools/JCTools/issues/17>) so RxJava could add JCTools  
as a "shadow" dependency (<https://github.com/ReactiveX/RxJava/issues/1735>).

RxJava has a "zero dependency" policy for the core library, so if we do add it as a dependency, it won't be an  
externally visible dependency that results in a separate jar.

The license for the JCTools code is <https://github.com/JCTools/JCTools/blob/master/LICENSE>

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jar/rx/internal/operators/SingleOnSubscribeDelaySubscriptionOther.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/operators/OperatorPublish.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/operators/OperatorBufferWithStartEndObservable.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/util/PlatformDependent.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/operators/OperatorRetryWithPredicate.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/operators/OnSubscribeDelaySubscriptionWithSelector.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/operators/OperatorBufferWithSingleObservable.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/operators/OperatorDelayWithSelector.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/operators/OperatorDoAfterTerminate.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/operators/OperatorTakeTimed.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/operators/OperatorWindowWithSize.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/operators/OperatorSwitch.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/schedulers/NewThreadWorker.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/operators/OperatorOnBackpressureLatest.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/operators/OperatorSampleWithTime.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/operators/OperatorWindowWithTime.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/operators/OperatorWithLatestFrom.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/operators/OnSubscribeRefCount.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/util/atomic/SpscLinkedListArrayQueue.java  
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\* Original location: <https://github.com/JCTools/JCTools/blob/master/jctools-core/src/main/java/org/jctools/queues/SpscLinkedQueue.java>  
\*/

Found in path(s):

\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/util/unsafe/SpscLinkedQueue.java

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\* Original location: <https://github.com/JCTools/JCTools/blob/master/jctools-core/src/main/java/org/jctools/queues/QueueProgressIndicators.java>  
\*/

Found in path(s):

\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/util/unsafe/QueueProgressIndicators.java

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* This plugin class provides 2 ways to customize {@link Scheduler} functionality
* 1. You may redefine entire schedulers, if you so choose. To do so, override
* the 3 methods that return Scheduler (io(), computation(), newThread()).
* 2. You may wrap/decorate an {@link Action0}, before it is handed off to a Scheduler. The system-
* supplied Schedulers (Schedulers.ioScheduler, Schedulers.computationScheduler,
* Scheduler.newThreadScheduler) all use this hook, so it's a convenient way to
* modify Scheduler functionality without redefining Schedulers wholesale.
*
* Also, when redefining Schedulers, you are free to use/not use the onSchedule decoration hook.
* <p>
* See {@link RxJavaPlugins} or the RxJava GitHub Wiki for information on configuring plugins:
* <a
href="https://github.com/ReactiveX/RxJava/wiki/Plugins">https://github.com/ReactiveX/RxJava/wiki/Plugins</a>.
*/

```

Found in path(s):

```

* /opt/cola/permits/1199767188_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/plugins/RxJavaSchedulersHook.java
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Found in path(s):

```

* /opt/cola/permits/1199767188_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/util/UtilityFunctions.java
* /opt/cola/permits/1199767188_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/Observable.java
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\*/

Found in path(s):

\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/util/atomic/SpscExactAtomicArrayQueue.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/util/atomic/SpscAtomicArrayQueue.java  
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\* Original location: <https://github.com/JCTools/JCTools/blob/master/jctools-core/src/main/java/org/jctools/queues/ConcurrentSequencedCircularArrayQueue.java>  
\*/

Found in path(s):

\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/util/unsafe/ConcurrentSequencedCircularArrayQueue.java  
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```
* /opt/cola/permits/1199767188_1630583074.7/0/rxjava-1-3-8-sources-4-
jar/rx/internal/operators/OnSubscribeToMultimap.java
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```
* /opt/cola/permits/1199767188_1630583074.7/0/rxjava-1-3-8-sources-4-
jar/rx/internal/operators/OnSubscribeDetach.java
* /opt/cola/permits/1199767188_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/Emitter.java
* /opt/cola/permits/1199767188_1630583074.7/0/rxjava-1-3-8-sources-4-
jar/rx/internal/operators/SingleTakeUntilObservable.java
* /opt/cola/permits/1199767188_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/observables/package-info.java
* /opt/cola/permits/1199767188_1630583074.7/0/rxjava-1-3-8-sources-4-
jar/rx/observers/SafeCompletableSubscriber.java
* /opt/cola/permits/1199767188_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/util/ActionObserver.java
* /opt/cola/permits/1199767188_1630583074.7/0/rxjava-1-3-8-sources-4-
jar/rx/internal/operators/OnSubscribeThrow.java
* /opt/cola/permits/1199767188_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/observers/package-info.java
```

\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/SingleTakeUntilCompletable.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/CompletableFlatMapSingleToCompletable.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/annotations/package-info.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/util/InternalObservableUtils.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/BackpressureOverflow.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/plugins/RxJavaCompletableExecutionHook.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/SingleDoOnUnsubscribe.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/subscriptions/Unsubscribed.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/OnSubscribeLift.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/SingleLiftObservableOperator.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/plugins/RxJavaSingleExecutionHook.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/SingleOnErrorReturn.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/OnSubscribeOnAssembly.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/functions/package-info.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/SingleFromObservable.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/OnSubscribeOnAssemblyCompletable.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/SingleFromEmitter.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/OnSubscribeCreate.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/util/ActionNotificationObserver.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/OnSubscribeOnAssemblySingle.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/subscriptions/CancellableSubscription.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/SingleObserveOn.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/schedulers/GenericScheduledExecutorServiceFactory.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/observers/AssertableSubscriber.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/subjects/package-info.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/plugins/RxJavaSingleExecutionHookDefault.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-



jar/rx/internal/observers/AssertableSubscriberObservable.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/operators/SingleFromCallable.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/util/ObserverSubscriber.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/plugins/package-info.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/exceptions/package-info.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/exceptions/AssemblyStackTraceException.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/operators/SingleFromFuture.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/operators/SingleTakeUntilSingle.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/functions/Cancellable.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/operators/EmptyObservableHolder.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/operators/SingleToObservable.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/schedulers/SchedulerWhen.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/operators/NeverObservableHolder.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/observers/AsyncCompletableSubscriber.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/schedulers/SchedulePeriodicHelper.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/operators/OnSubscribeFlattenIterable.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/plugins/RxJavaHooks.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/singles/package-info.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/subscriptions/package-info.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/operators/SingleDelay.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/operators/SingleTimeout.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-  
jar/rx/internal/operators/SingleDoOnSubscribe.java  
\* /opt/cola/permits/1199767188\_1630583074.7/0/rxjava-1-3-8-sources-4-jar/rx/internal/util/ActionSubscriber.java  
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```

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\* /opt/cola/permits/1200523838\_1654022813.457056/0/activation-1-1-sources-11-jar/javax/activation/CommandInfo.java

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/\*

\* @(#)ImageViewerCanvas.java 1.3 05/11/16

\*

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*/
/*
* @(#)DataContentHandlerFactory.java 1.6 05/11/16
*
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*/
```

Found in path(s):

```
* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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/*
* @(#)CommandMap.java 1.19 05/11/16
*
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*/
```

Found in path(s):

```
* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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```

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 */
@(#)URLDataSource.java 1.10 05/11/16
 *
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 */
```

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```
*/opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
jar/javax/activation/URLDataSource.java
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/*
* @(#)MimeTypeParameterList.java 1.11 05/11/16
*
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*/
```

Found in path(s):

```
* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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/*
* @(#)UnsupportedDataException.java 1.9 05/11/16
*
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*/
```

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```
* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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```

```
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```

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/*
* @(#)MailcapCommandMap.java 1.40 05/11/16
*
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*/
```

Found in path(s):

```
*/opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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/*
* @(#)DataHandler.java 1.39 05/11/16
*
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* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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/*
* @(#)FileTypeMap.java 1.8 05/11/16
*
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```
* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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/*
* @(#)MimeTypeParseException.java 1.6 05/11/16
*
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*/
```

Found in path(s):

```
* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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/*
```

\* @(#)MimeType.java 1.19 05/11/16  
\*  
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\* /opt/cola/permits/1200523838\_1654022813.457056/0/activation-1-1-sources-11-jar/javax/activation/MimeType.java

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\* @(#)TextViewer.java 1.9 05/11/16  
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\* /opt/cola/permits/1200523838\_1654022813.457056/0/activation-1-1-sources-11-jar/com/sun/activation/viewers/TextViewer.java

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/*
* @(#)FileDataSource.java 1.9 05/11/16
*
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```

Found in path(s):

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* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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/*
* @(#)MimeTypeEntry.java 1.4 05/11/16
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```

\*/

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\* /opt/cola/permits/1200523838\_1654022813.457056/0/activation-1-1-sources-11-jar/com/sun/activation/registries/MimeTypeEntry.java

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\* @(#)MimeTypeFile.java 1.8 05/11/16

\*

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/*
* @(#)LogSupport.java 1.4 05/11/16
*
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* @(#)DataContentHandler.java 1.16 05/11/16
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\* @(#)ActivationDataFlavor.java 1.14 05/11/16

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/*
* @(#)TextEditor.java 1.8 05/11/16
*
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```

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```
* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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/*
* @(#)MailcapFile.java 1.23 05/11/16
*
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```
* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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* @(#)MimetypesFileTypeMap.java 1.17 05/11/16
*
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*/
```

Found in path(s):

```
* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
jar/javax/activation/MimetypesFileTypeMap.java
```

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/*
* @(#)MailcapTokenizer.java 1.6 05/11/16
*
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```

Found in path(s):

```
* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
jar/com/sun/activation/registries/MailcapTokenizer.java
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* @(#)MailcapParseException.java 1.4 05/11/16
*
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```

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```
*/opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
jar/com/sun/activation/registries/MailcapParseException.java
```

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```
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jar/javax/activation/DataSource.java
```

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```
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* @(#)CommandObject.java 1.9 05/11/16
*
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*/
```

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```
* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
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```

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```

Found in path(s):

```

* /opt/cola/permits/1200523838_1654022813.457056/0/activation-1-1-sources-11-
jar/com/sun/activation/viewers/ImageViewer.java

```

# 1.897 servlet-api 3.1.0

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Upstream-Contact: Hisham Muhammad <lode@gobolinux.org>

Source: <http://hisham.hm/htop/releases/>

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Source: <https://metacpan.org/release/Error>

Upstream-Contact: Shlomi Fish <shlomif@iglu.org.il>

Upstream-Name: Error

Files: \*

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Comment:

# Based on my original Error.pm, and Exceptions.pm by Peter Seibel

# <peter@weblogic.com> and adapted by Jesse Glick <jglick@sig.bsh.com>.

#

# but modified \*\*\*significantly\*\*\*

Files: lib/Error/Simple.pm

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License: MIT/X11

Files: debian/\*

Copyright: 1999, 2000, 2001, 2002, 2003, Paolo Molaro <lupus@debian.org>

2003, 2004, 2005, Luk Claes <luk@debian.org>

2003, Ardo van Rangelrooij <ardo@debian.org>

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# 1.913 python-systemd 234-1build1

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Version 3, 29 June 2007

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## 1.923 argon2 0~20161029-1.1

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# 1.924 automat 0.6.0-1

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# 1.925 python-service-identity 16.0.0-2

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