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1.25 `ascii-graphs_2.10` 0.0.3

1.26 `asm-4.1` 4.1

1.27 `async-http-client` 2.0.11

1.28 `async-http-client` 2.0.36

1.29 `async-http-client` 1.9.36

1.30 `bcpkix-jdk15on-jar` 1.52

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1.31 bcprov-jdk15on 1.52

1.32 bonecp 0.8.0.RELEASE

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1.33 build-link 2.5.10

1.34 cglib-nodep 2.1_3

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1.47 cssparser 0.9.18

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1.48 deadbolt-scala_2.11 2.5.1

1.49 disruptor 3.3.6

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1.50 ehcache-core 2.6.8

1.51 ehcache-core 2.6.11

1.52 fastparse-utils_2.12 0.4.2

1.53 fastparse_2.12 0.4.2

1.54 gigahorse-core_2.12 0.3.0

1.55 gigahorse-okhttp_2.12 0.3.0

1.56 Gson 2.3.1

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*/

```

```
package com.google.gson.internal;
```

```

import java.lang.reflect.Type;
import java.util.Collections;
import java.util.HashMap;
import java.util.Map;

```

```

/**
 * Contains static utility methods pertaining to primitive types and their
 * corresponding wrapper types.
 *
 * @author Kevin Bourrillion
 */

```

```

public final class Primitives {
    private Primitives() {}

```

```

/** A map from primitive types to their corresponding wrapper types. */
private static final Map<Class<?>, Class<?>> PRIMITIVE_TO_WRAPPER_TYPE;

```

```

/** A map from wrapper types to their corresponding primitive types. */
private static final Map<Class<?>, Class<?>> WRAPPER_TO_PRIMITIVE_TYPE;

```

```
// Sad that we can't use a BiMap. :(
```

```

static {
    Map<Class<?>, Class<?>> primToWrap = new HashMap<Class<?>, Class<?>>(16);
    Map<Class<?>, Class<?>> wrapToPrim = new HashMap<Class<?>, Class<?>>(16);

```

```

    add(primToWrap, wrapToPrim, boolean.class, Boolean.class);
    add(primToWrap, wrapToPrim, byte.class, Byte.class);
    add(primToWrap, wrapToPrim, char.class, Character.class);
    add(primToWrap, wrapToPrim, double.class, Double.class);
    add(primToWrap, wrapToPrim, float.class, Float.class);
    add(primToWrap, wrapToPrim, int.class, Integer.class);
    add(primToWrap, wrapToPrim, long.class, Long.class);
    add(primToWrap, wrapToPrim, short.class, Short.class);

```

```

add(primToWrap, wrapToPrim, void.class, Void.class);

PRIMITIVE_TO_WRAPPER_TYPE = Collections.unmodifiableMap(primToWrap);
WRAPPER_TO_PRIMITIVE_TYPE = Collections.unmodifiableMap(wrapToPrim);
}

private static void add(Map<Class<?>, Class<?>> forward,
    Map<Class<?>, Class<?>> backward, Class<?> key, Class<?> value) {
    forward.put(key, value);
    backward.put(value, key);
}

/**
 * Returns true if this type is a primitive.
 */
public static boolean isPrimitive(Type type) {
    return PRIMITIVE_TO_WRAPPER_TYPE.containsKey(type);
}

/**
 * Returns { @code true } if { @code type } is one of the nine
 * primitive-wrapper types, such as { @link Integer }.
 *
 * @see Class#isPrimitive
 */
public static boolean isWrapperType(Type type) {
    return WRAPPER_TO_PRIMITIVE_TYPE.containsKey(
        $Gson$Preconditions.checkNotNull(type));
}

/**
 * Returns the corresponding wrapper type of { @code type } if it is a primitive
 * type; otherwise returns { @code type } itself. Idempotent.
 * <pre>
 *   wrap(int.class) == Integer.class
 *   wrap(Integer.class) == Integer.class
 *   wrap(String.class) == String.class
 * </pre>
 */
public static <T> Class<T> wrap(Class<T> type) {
    // cast is safe: long.class and Long.class are both of type Class<Long>
    @SuppressWarnings("unchecked")
    Class<T> wrapped = (Class<T>) PRIMITIVE_TO_WRAPPER_TYPE.get(
        $Gson$Preconditions.checkNotNull(type));
    return (wrapped == null) ? type : wrapped;
}

/**

```



```

* Returns the corresponding primitive type of { @code type } if it is a
* wrapper type; otherwise returns { @code type } itself. Idempotent.
* <pre>
*   unwrap(Integer.class) == int.class
*   unwrap(int.class) == int.class
*   unwrap(String.class) == String.class
* </pre>
*/
public static <T> Class<T> unwrap(Class<T> type) {
    // cast is safe: long.class and Long.class are both of type Class<Long>
    @SuppressWarnings("unchecked")
    Class<T> unwrapped = (Class<T>) WRAPPER_TO_PRIMITIVE_TYPE.get(
        $Gson$Preconditions.checkNotNull(type));
    return (unwrapped == null) ? type : unwrapped;
}
}

```

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1.69 ivy-2.3.0 sbt-

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*  
*/  
package org.apache.ivy.core.module.descriptor;
```

```
public class License {  
    private String name;  
  
    private String url;  
  
    public License(String name, String url) {  
        this.name = name;  
        this.url = url;  
    }  
  
    public String getName() {  
        return name;  
    }  
  
    public String getUrl() {  
        return url;  
    }  
  
}
```

1.70 jackson-annotations 2.7.8

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1.71 jackson-core 2.9.4

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1.73 jackson-core-asl 1.8.9

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1.74 jackson-databind 2.9.4

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1.79 java-ipv6 0.16

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1.80 Javassist 3.20.0-GA

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*/

1.82 jbcrypt 0.3m

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1.83 jcl-over-slf4j 1.7.21

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1.84 jdbcdslog 1.0.6.2

1.85 jnaerator-runtime-0.12 0.12

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1.86 Jnotify .94

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/*****

* JNotify - Allow java applications to register to File system events.

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1.105 macros_2.11 2.3.0

1.106 macrosakka_2.11 2.3.0

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limitations under the License.

1.126 ochafik-util 0.12

1.127 okhttp 3.7.0

1.128 okhttp-urlconnection 3.7.0

1.129 okio 1.12.0

1.130 paranamer 2.6

1.130.1 Available under license :

[ParaNamer used to be 'Pubic Domain', but since it includes a small piece of ASM it is now the same license as that: BSD]

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1.131 play-cache_2.11 2.5.0

1.132 play-datacommons_2.11 2.5.10

1.133 play-exceptions 2.5.10

1.134 play-functional_2.11 2.5.10

1.135 play-iteratees_2.11 2.5.4

1.136 play-jdbc-api_2.11 2.5.10

1.137 play-jdbc_2.11 2.5.10

1.138 play-json_2.11 2.5.4

1.139 play-json_2.11 2.5.18

1.140 play-logback_2.11 2.5.10

1.141 play-netty-server_2.11 2.5.10

1.142 play-netty-utils 2.5.10

1.143 play-server_2.11 2.5.10

1.144 play-streams_2.11 2.5.10

1.145 play-ws_2.11 2.5.18

1.146 play-ws_2.11 2.5.10

1.147 play2-reactivemongo_2.11 0.12.1

1.148 play2-reactivemongo_2.11 0.12.0

1.149 play_2.11 2.5.18

1.150 play_2.11 2.5.10

1.151 play_twirl-api_2.11 1.0.2

1.152 protobuf-java 2.5.0

1.153 reactive-streams 1.0.0

1.153.1 Available under license :

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1.154 reactivemongo-bson-macros_2.11

0.12.0

1.155 reactivemongo-bson-macros_2.11

0.12.1

1.156 reactivemongo-bson_2.11 0.12.1

1.157 reactivemongo-bson_2.11 0.12.0

1.158 reactivemongo-play-json_2.11 0.12.0

1.159 reactivemongo-play-json_2.11 0.12.1

1.160 reactivemongo-shaded 0.12.1

1.161 reactivemongo-shaded 0.12.0

1.162 reactivemongo_2.11 0.12.1

1.163 reactivemongo_2.11 0.12.0

1.164 rhino 1.7R5pre4

1.165 sbt 0.13.12

1.166 sbt-routes-compiler_2.10 2.5.10

1.167 scala-compiler 2.11.8

1.168 scala-java8-compat_2.11 0.7.0

1.168.1 Available under license :

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
<head profile="http://www.w3.org/1999/xhtml/vocab">
  <meta http-equiv="Content-Type" content="text/html; charset=utf-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1" />
  <link rel="shortcut icon" href="https://opensource.org/files/osi_favicon.png" type="image/png" />
  <meta name="HandheldFriendly" content="true" />
  <link rel="shortlink" href="/node/568" />
```

```

<meta name="Generator" content="Drupal 7 (http://drupal.org)" />
<link rel="canonical" href="/licenses/BSD-3-Clause" />
<meta name="MobileOptimized" content="width" />
<title>The BSD 3-Clause License | Open Source Initiative</title>
<link type="text/css" rel="stylesheet" href="https://opensource.org/files/css/css_xE-rWrJf-
fncB6ztZfd2huxqgxu4WO-qwma6Xer30m4.css" media="all" />
<link type="text/css" rel="stylesheet"
href="https://opensource.org/files/css/css_4p37TiWeuzRfdymI_IPgCuu6wEwSDhUquxUkHLI7QnU.css"
media="all" />
<link type="text/css" rel="stylesheet"
href="https://opensource.org/files/css/css_MnXiytJtb186Ydycnpwpw34cuUsHaKc80ey5LiQXhSY.css"
media="all" />
<link type="text/css" rel="stylesheet" href="//maxcdn.bootstrapcdn.com/bootstrap/3.2.0/css/bootstrap.min.css"
media="all" />
<link type="text/css" rel="stylesheet" href="https://opensource.org/files/css/css_KGZcOm3i1wmtbgZsjo-
3V9FM4wZ-5UDcpJ7Vfzmt45E.css" media="all" />
<link type="text/css" rel="stylesheet"
href="https://opensource.org/files/css/css_G9cu63kkDQ56GYuF3QrqJxma5HT-bUVZckUWKUzFCF4.css"
media="all" />

<!--[if (lt IE 9)]>
<link type="text/css" rel="stylesheet" href="https://opensource.org/sites/all/themes/bootstrap-
business/css/ie8.css?o11dsc" media="all" />
<![endif]-->

<!-- HTML5 element support for IE6-8 -->
<!--[if lt IE 9]>
  <script src="//html5shiv.googlecode.com/svn/trunk/html5.js"></script>
<![endif]-->
<script type="text/javascript" src="//code.jquery.com/jquery-1.10.2.min.js"></script>
<script type="text/javascript">
<!--/--><![CDATA[//><!--
window.jQuery || document.write("<script
src='/sites/all/modules/jquery_update/replace/jquery/1.10/jquery.min.js'\>\x3C/script">)
//--><![ ]>
</script>
<script type="text/javascript" src="https://opensource.org/files/js/js_3TykeRWpejhD4-
J3vdlaNXdULg9xhOZhsppK0o2bUs.js"></script>
<script type="text/javascript" src="//maxcdn.bootstrapcdn.com/bootstrap/3.2.0/js/bootstrap.min.js"></script>
<script type="text/javascript">
<!--/--><![CDATA[//><!--
jQuery(document).ready(function($) {
  $(window).scroll(function() {
    if($(this).scrollTop() != 0) {
      $("#toTop").fadeIn();
    } else {
      $("#toTop").fadeOut();
    }
  });
});

```

```

}
});

$("#toTop").click(function() {
  $("body,html").animate({scrollTop:0},800);
});

});
!--><![ ]>
</script>
<script type="text/javascript"
src="https://opensource.org/files/js/js_ruOYJN6FkJU2O5L1dAKVnDloSn5R6LjnLW88zFxS1Uw.js"></script>
<script type="text/javascript" src="https://opensource.org/files/js/js_JQHTvV_SkyFIN3f2BnQwnusF-
eI6tkX8wrKak2siiZU.js"></script>
<script type="text/javascript">
<!--/--><![CDATA[!--
jQuery.extend(Drupal.settings,
{"basePath":"","pathPrefix":"","ajaxPageState":{"theme":"bootstrap_business","theme_token":"9iUxszn6HBp6U
O6lCi31ws2qt6e18RlXWA1XmosW9i0"},"js":{"code.jquery.com/jquery-
1.10.2.min.js":1,"0":1,"misc/jquery.once.js":1,"misc/drupal.js":1,"maxcdn.bootstrapcdn.com/bootstrap/3.2.0/js
bootstrap.min.js":1,"1":1,"sites/all/libraries/superfish/jquery.hoverIntent.minified.js":1,"sites/all/libraries/supe
rfish/sftouchscreen.js":1,"sites/all/libraries/superfish/sfsmallscreen.js":1,"sites/all/libraries/superfish/suppositi
on.js":1,"sites/all/libraries/superfish/superfish.js":1,"sites/all/libraries/superfish/supersubs.js":1,"sites/all/mod
ules/superfish/superfish.js":1,"sites/all/themes/bootstrap-
business/js/jquery.browser.min.js":1},"css":{"modules/system/system.base.css":1,"modules/system/system.men
us.css":1,"modules/system/system.messages.css":1,"modules/system/system.theme.css":1,"modules/aggregator/
aggregator.css":1,"modules/comment/comment.css":1,"modules/field/theme/field.css":1,"sites/all/modules/mol
lom/mollom.css":1,"modules/node/node.css":1,"modules/search/search.css":1,"modules/user/user.css":1,"sites/
all/modules/views/css/views.css":1,"sites/all/modules/ctools/css/ctools.css":1,"maxcdn.bootstrapcdn.com/
bootstrap/3.2.0/css/bootstrap.min.css":1,"sites/all/libraries/superfish/css/superfish.css":1,"sites/all/themes/b
ootstrap-business/css/style.css":1,"sites/all/themes/bootstrap-
business/color/colors.css":1,"sites/all/themes/bootstrap-business/css/local.css":1,"sites/all/themes/bootstrap-
business/css/ie8.css":1}},urlIsAjaxTrusted":{"licenses/BSD-3-
Clause":true},"superfish":{"1":{"id":"1","sf":{"animation":{"opacity":"show","height":"show"},"speed":"\u0027fast
\u0027","autoArrows":false,"dropShadows":true,"disableHI":false},"plugins":{"touchscreen":{"mode":"window_wi
dth"},"smallscreen":{"mode":"window_width"},"addSelected":false,"menuClasses":false,"hyperlinkClasses":false,"ti
tle":"Navigation"},"supposition":true,"bgiframe":false,"supersubs":{"minWidth":"12","maxWidth":"27","extraWidt
h":1}}}}});
!--><![ ]>
</script>
</head>
<body class="html not-front not-logged-in no-sidebars page-node page-node- page-node-568 node-type-page" >
<div id="skip-link">
  <a href="#main-content" class="element-invisible element-focusable">Skip to main content</a>
</div>
<div id="toTop"><span class="glyphicon glyphicon-chevron-up"></span></div>

```



```

<!-- #header-top -->
<div id="header-top" class="clearfix">
  <div class="container">

    <!-- #header-top-inside -->
    <div id="header-top-inside" class="clearfix">
      <div class="row">

        <div class="col-md-8">
          <!-- #header-top-left -->
          <div id="header-top-left" class="clearfix">
            <div class="region region-header-top-left">
<div id="block-menu-secondary-menu" class="block block-menu clearfix">

<div class="content">
  <ul class="menu"><li class="first leaf"><a href="/" title="">Home</a></li>
<li class="leaf"><a href="/blog" title="">From the Board</a></li>
<li class="leaf"><a href="/contact" title="">Contact</a></li>
<li class="last leaf"><a href="/civicrm/contribute/transact?reset=1&id=2" title="">Donate</a></li>
</ul> </div>
</div>
</div>
</div>
</div>
<!-- EOF:#header-top-left -->
</div>

    <div class="col-md-4">
      <!-- #header-top-right -->
      <div id="header-top-right" class="clearfix">
        <div class="region region-header-top-right">
<div id="block-search-form" class="block block-search clearfix">

<div class="content">
  <form action="/licenses/BSD-3-Clause" method="post" id="search-block-form" accept-charset="UTF-8"><div><div class="container-inline">
    <h2 class="element-invisible">Search form</h2>
    <div class="form-item form-type-textfield form-item-search-block-form">
<input onblur="if (this.value == &#039;&#039;) { this.value = &#039;Search this website...&#039;;}" onfocus="if (this.value == &#039;Search this website...&#039;) { this.value = &#039;&#039;;}" type="text" id="edit-search-block-form--2" name="search_block_form" value="Search this website..." size="15" maxlength="128" class="form-text" />
</div>
<div class="form-actions form-wrapper" id="edit-actions"><input value="" type="submit" id="edit-submit" name="op" class="form-submit" /></div><input type="hidden" name="form_build_id" value="form-f_aEqfQexu_d_gBrHZFJWouFaIjhzGD-QxbIIFIXeZY" />

```

```

<input type="hidden" name="form_id" value="search_block_form" />
</div>
</div></form> </div>
</div>
</div>
    </div>
    <!-- EOF:#header-top-right -->
</div>

</div>
</div>
<!-- EOF: #header-top-inside -->

</div>
</div>
<!-- EOF: #header-top -->

<!-- header -->
<header id="header" role="banner" class="clearfix">
  <div class="container">

    <!-- #header-inside -->
    <div id="header-inside" class="clearfix">
      <div class="row">
        <div class="col-md-8">

          <div id="logo">
            <a href="/" title="Home" rel="home">  </a>
          </div>

          <div id="site-name">
            <a href="/" title="Home">Open Source Initiative</a>
          </div>

        </div>

        <div class="col-md-4">

          </div>
        </div>
      </div>
    <!-- EOF: #header-inside -->

  </div>
</header>

```

```

<!-- EOF: #header -->

<!-- #main-navigation -->
<div id="main-navigation" class="clearfix">
  <div class="container">

    <!-- #main-navigation-inside -->
    <div id="main-navigation-inside" class="clearfix">
      <div class="row">
        <div class="col-md-12">
          <nav role="navigation">
            <div class="region region-navigation">
<div id="block-superfish-1" class="block block-superfish clearfix">

<div class="content">
  <ul id="superfish-1" class="menu sf-menu sf-navigation sf-horizontal sf-style-none sf-total-items-6 sf-parent-
items-6 sf-single-items-0"><li id="menu-37-1" class="first odd sf-item-1 sf-depth-1 sf-total-children-4 sf-parent-
children-2 sf-single-children-2 menuparent"><a href="/about" title="About the Open Source Initiative" class="sf-
depth-1 menuparent">About</a><ul><li id="menu-75-1" class="first odd sf-item-1 sf-depth-2 sf-no-children"><a
href="/history" title="History of the OSI" class="sf-depth-2">History</a></li><li id="menu-82-1" class="middle
even sf-item-2 sf-depth-2 sf-total-children-7 sf-parent-children-0 sf-single-children-7 menuparent"><a
href="/board" title="Board of Directors" class="sf-depth-2 menuparent">Board</a><ul><li id="menu-83-1"
class="first odd sf-item-1 sf-depth-3 sf-no-children"><a href="/docs/board-annotated" title="OSI Board -- With
Annotations" class="sf-depth-3">Board - Annotated</a></li><li id="menu-96-1" class="middle even sf-item-2 sf-
depth-3 sf-no-children"><a href="/minutes" title="Public Minutes of Board Meetings" class="sf-depth-
3">Minutes</a></li><li id="menu-185-1" class="middle odd sf-item-3 sf-depth-3 sf-no-children"><a
href="/organization" title="These portfolios represent the activities of the current OSI board." class="sf-depth-
3">Organization & Operations</a></li><li id="menu-95-1" class="middle even sf-item-4 sf-depth-3 sf-no-
children"><a href="/articles-of-incorporation" title="OSI incorporation record" class="sf-depth-3">Articles of
Incorporation</a></li><li id="menu-1475-1" class="middle odd sf-item-5 sf-depth-3 sf-no-children"><a
href="/elections" class="sf-depth-3">Board Elections</a></li><li id="menu-84-1" class="middle even sf-item-6 sf-
depth-3 sf-no-children"><a href="/bylaws" title="Bylaws of the Open Source Initiative" class="sf-depth-
3">Bylaws</a></li><li id="menu-1317-1" class="last odd sf-item-7 sf-depth-3 sf-no-children"><a
href="/conflict_of_interest_policy" title="" class="sf-depth-3">Conflict of Interest</a></li></ul></li><li id="menu-
1843-1" class="middle odd sf-item-3 sf-depth-2 sf-total-children-2 sf-parent-children-0 sf-single-children-2
menuparent"><a href="/trademark" title="" class="sf-depth-2 menuparent">Trademark & Logo</a><ul><li
id="menu-184-1" class="first odd sf-item-1 sf-depth-3 sf-no-children"><a href="/trademark-guidelines"
title="OSI&#039;s Trademark Policy" class="sf-depth-3">Trademark Guidelines</a></li><li id="menu-183-1"
class="last even sf-item-2 sf-depth-3 sf-no-children"><a href="/logo-usage-guidelines" title="Guidelines for
appearance and usage of OSI Logo" class="sf-depth-3">Logo Guidelines</a></li></ul></li><li id="menu-126-1"
class="last even sf-item-4 sf-depth-2 sf-no-children"><a href="/ToS" title="Rules for posting content on this site"
class="sf-depth-2">Terms of Service</a></li></ul></li><li id="menu-65-1" class="middle even sf-item-2 sf-depth-
1 sf-total-children-5 sf-parent-children-3 sf-single-children-2 menuparent"><a href="/licenses" class="sf-depth-1
menuparent">Licenses & Standards</a><ul><li id="menu-61-1" class="first odd sf-item-1 sf-depth-2 sf-total-
children-1 sf-parent-children-0 sf-single-children-1 menuparent"><a href="/osd" title="The actual OSD defining
what constitutes an Open Source licence" class="sf-depth-2 menuparent">Open Source Definition</a><ul><li
id="menu-62-1" class="firstandlast odd sf-item-1 sf-depth-3 sf-no-children"><a href="/osd-annotated" title="The

```

OSD with explanations and rationale interspersed." class="sf-depth-3">OSD - Annotated<li id="menu-77-1" class="middle even sf-item-2 sf-depth-2 sf-no-children">Licenses by Category<li id="menu-72-1" class="middle odd sf-item-3 sf-depth-2 sf-no-children">Licenses by Name<li id="menu-66-1" class="middle even sf-item-4 sf-depth-2 sf-total-children-2 sf-parent-children-0 sf-single-children-2 menuparent">License Review Process<li id="menu-67-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">Licence Proliferation<li id="menu-69-1" class="last even sf-item-2 sf-depth-3 sf-no-children">LP report to the Board<li id="menu-99-1" class="last odd sf-item-5 sf-depth-2 sf-total-children-4 sf-parent-children-0 sf-single-children-4 menuparent">Open Standards<li id="menu-101-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">The Open Standards Requirement<li id="menu-102-1" class="middle even sf-item-2 sf-depth-3 sf-no-children">Open Standards Requirement Compliance<li id="menu-100-1" class="middle odd sf-item-3 sf-depth-3 sf-no-children">Open Standards Requirement Rationale<li id="menu-103-1" class="last even sf-item-4 sf-depth-3 sf-no-children">OSR Frequently Asked Questions<li id="menu-1842-1" class="middle odd sf-item-3 sf-depth-1 sf-total-children-3 sf-parent-children-2 sf-single-children-1 menuparent">Membership<li id="menu-914-1" class="first odd sf-item-1 sf-depth-2 sf-total-children-1 sf-parent-children-0 sf-single-children-1 menuparent">Individuals<li id="menu-897-1" class="firstandlast odd sf-item-1 sf-depth-3 sf-no-children">Join<li id="menu-675-1" class="middle even sf-item-2 sf-depth-2 sf-total-children-3 sf-parent-children-0 sf-single-children-3 menuparent">Affiliates<li id="menu-676-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">Become an Affiliate<li id="menu-677-1" class="middle even sf-item-2 sf-depth-3 sf-no-children">List of Affiliates<li id="menu-2071-1" class="last odd sf-item-3 sf-depth-3 sf-no-children">Affiliate Criteria<li id="menu-1436-1" class="last odd sf-item-3 sf-depth-2 sf-no-children">Sponsors & Support<li id="menu-1841-1" class="middle even sf-item-4 sf-depth-1 sf-total-children-4 sf-parent-children-1 sf-single-children-3 menuparent">Community<li id="menu-63-1" class="first odd sf-item-1 sf-depth-2 sf-total-children-2 sf-parent-children-0 sf-single-children-2 menuparent">Mailing lists<li id="menu-78-1" class="first odd sf-item-1 sf-depth-3 sf-no-children">General Code of Conduct<li id="menu-1072-1" class="last even sf-item-2 sf-depth-3 sf-no-children">Licensing Code of Conduct<li id="menu-2032-1" class="middle even sf-item-2 sf-depth-2 sf-no-children">Volunteers<li id="menu-1846-1" class="middle odd sf-item-3 sf-depth-2 sf-no-children">Wiki<li id="menu-1524-1" class="last even sf-item-4 sf-depth-2 sf-no-children"><a href="/store" title="" class="sf-depth-

```

2">OSI Store</a></li></ul></li><li id="menu-1840-1" class="middle odd sf-item-5 sf-depth-1 sf-total-children-6
sf-parent-children-1 sf-single-children-5 menuparent"><a href="/resources" title="Page offering resources to OSI
personas" class="sf-depth-1 menuparent">Resources</a><ul><li id="menu-342-1" class="first odd sf-item-1 sf-
depth-2 sf-no-children"><a href="/faq" title="Frequently Asked Questions about open source and about the OSI."
class="sf-depth-2">FAQ</a></li><li id="menu-38-1" class="middle even sf-item-2 sf-depth-2 sf-no-children"><a
href="/blog" title="A group blog / aggregation point for OSI Board Member blogs" class="sf-depth-2">OSI Board
Blog</a></li><li id="menu-45-1" class="middle odd sf-item-3 sf-depth-2 sf-total-children-2 sf-parent-children-0 sf-
single-children-2 menuparent"><a href="/help" title="Resources for questions and further exploration" class="sf-
depth-2 menuparent">Getting Help</a><ul><li id="menu-76-1" class="first odd sf-item-1 sf-depth-3 sf-no-
children"><a href="/links" title="Links and References to Open Source" class="sf-depth-
3">Bibliography</a></li><li id="menu-125-1" class="last even sf-item-2 sf-depth-3 sf-no-children"><a
href="/advocacy/case_for_business.php" title="How to advocate Open Source to businesses" class="sf-depth-
3">Open Source Case for Business</a></li></ul></li><li id="menu-1845-1" class="middle even sf-item-4 sf-
depth-2 sf-no-children"><a href="/newsletters" title="Index of newsletters" class="sf-depth-
2">Newsletters</a></li><li id="menu-1514-1" class="middle odd sf-item-5 sf-depth-2 sf-no-children"><a
href="/working_groups" class="sf-depth-2">Working Groups</a></li><li id="menu-12-1" class="last even sf-item-
6 sf-depth-2 sf-no-children"><a href="/osi-open-source-education" title="OSI&#039;s Open Source Education
Initiative and Activities" class="sf-depth-2">Open Source Education</a></li></ul></li><li id="menu-1844-1"
class="last even sf-item-6 sf-depth-1 sf-total-children-1 sf-parent-children-0 sf-single-children-1 menuparent"><a
href="/news" title="Page dedicated to the latest news and events." class="sf-depth-1 menuparent">News &
Events</a><ul><li id="menu-1999-1" class="firstandlast odd sf-item-1 sf-depth-2 sf-no-children"><a
href="/events" class="sf-depth-2">Events</a></li></ul></li></ul> </div>
</div>
</div>
</nav>
</div>
</div>
</div>
<!-- EOF: #main-navigation-inside -->
</div>
</div>
<!-- EOF: #main-navigation -->
<!-- #page -->
<div id="page" class="clearfix">
<!-- #main-content -->
<div id="main-content">
<div class="container">
<!-- #messages-console -->
<!-- EOF: #messages-console -->
<div class="row">

```

```

<section class="col-md-12">

  <!-- #main -->
  <div id="main" class="clearfix">

    <!-- EOF:#content-wrapper -->
    <div id="content-wrapper">

      <h1 class="page-title">The BSD 3-Clause License</h1>

      <!-- #tabs -->
      <div class="tabs">
        </div>
      <!-- EOF: #tabs -->

      <!-- #action links -->
      <!-- EOF: #action links -->

      <div class="region region-content">
        <div id="block-system-main" class="block block-system clearfix">

          <div class="content">
            <article id="node-568" class="node node-page clearfix">

              <div class="content">
                <div class="field field-name-body field-type-text-with-summary field-label-hidden"><div class="field-
                items"><div class="field-item even"><div align="right">
                <button onclick="myFunction()">Further resources on <b>The BSD 3-Clause License</b></button>

                <p id="demo"></p>

                <script>
                <!--/--><![CDATA[// ><!--

                function myFunction() {
                  var x;
                  if (confirm("Disclaimer: While the OSI acknowledges these as potentially helpful resources for the community, it
                  does not endorse any content, contributors or license interpretations from these websites. Any links to these
                  resources across opensource.org are solely for navigational purposes. The OSI does not promote or exclusively favor
                  any of the mentioned resources, but instead provides them as separate third-party resource to help inform your
                  opinion. Any content from or links to these resources are separate from the OSI, exist for purely informational

```

```

purposes and creates no attorney-client relationship between you, the OSI or the resources. If you have questions
about how licenses apply to you or your organization, you should seek legal advice. ") == true) {
    x = "<br><p>The following are other community resources that may be helpful:<br><br><a
href=https://tldrlegal.com/license/bsd-3-clause-license-%28revised%29 style='font-weight: bold;'>The BSD 3-
Clause License on TLDRLegal<br><a href=http://www.gnu.org/licenses/license-list.en.html>GNU License
List<br><a href=https://en.wikipedia.org/wiki/Comparison_of_free_and_open-source_software_licenses>Wikipedia
License List<br><a href=http://oss-watch.ac.uk/apps/licdiff/>OSSWatch License Diff<br><a
href=choosealicense.com>Choosealicense";
    } else {
        x = " ";
    }
    document.getElementById("demo").innerHTML = x;
}

```

```

/--><![ ]>
</script></div>

```

```
<blockquote>
```

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```

<p>This prelude is not part of the license.</p>
</blockquote>

```

```

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<ORGANIZATION> = University of California, Berkeley<br />
<YEAR> = 1998</p>

```

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

</article> </div>

</div>

</div>

</div>

<!-- EOF:#content-wrapper -->

</div>

<!-- EOF:#main -->

</section>

</div>

</div>


```

</div>
<!-- EOF:#main-content -->

</div>
<!-- EOF:#page -->

<footer id="subfooter" class="clearfix">
  <div class="container">

    <!-- #subfooter-inside -->
    <div id="subfooter-inside" class="clearfix">
      <div class="row">
        <div class="col-md-12">
          <!-- #subfooter-left -->
          <div class="subfooter-area">

            <div class="region region-footer">
            <div id="block-block-11" class="block block-block clearfix">

<div class="content">
  <div class="filler" style="vertical-align: middle; display: inline-block;">
<p style="margin: 0pt auto; display: table-cell; text-align: center; vertical-align: middle;">
<a href="https://twitter.com/OpenSourceOrg" style="margin: 0pt auto; display: table-cell; text-align: center;
vertical-align: middle;"></a>

<a href="https://plus.google.com/+opensourceinitiative" style="margin: 0pt auto; display: table-cell; text-align:
center; vertical-align: middle;"></a>

<a href="https://www.linkedin.com/company/open-source-initiative-osi-" style="margin: 0pt auto; display: table-
cell; text-align: center; vertical-align: middle;"></a>

<a href="http://wiki.opensource.org" style="margin: 0pt auto; display: table-cell; text-align: center; vertical-align:
middle;"></a>

<a href="http://creativecommons.org/licenses/by/4.0/" style="margin: 0pt auto; display: table-cell; text-align:
center; vertical-align: middle;"></a>

<script id="fbwiuwz">
<!--/--><![CDATA[// ><!--

```

```
(function(i){ var
f,s=document.getElementById(i);f=document.createElement('iframe');f.src='//api.flattr.com/button/view/?uid=osi&u
rl=http%3A%2F%2Fopensource.org';f.title='Flattr';f.height=70;f.width=70;f.style.borderWidth=0;s.parentNode.inse
rtBefore(f,s);})('fbwiuwz');
//--><![ ]>
</script></p>
</div>
```

```
<br /><div class="license" style="vertical-align: middle; display: inline-block;">
```

```
<p>
```

```
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>.
```

```
</p>
```

```
<p>
```

```
<a href=" ../ToS">Terms of Service</a>
```

```
</p>
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<div id="block-block-7" class="block block-block clearfix">
```

```
<div class="content">
```

```
<script src="https://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>
```

```
<!-- EOF: #subfooter-left -->
```

```
</div>
```

```
</div>
```

```
</div>
```

```
<!-- EOF: #subfooter-inside -->
```

```
</div>
```

```
</footer>
```

<!-- EOF:#subfooter -->

</body>

</html>

1.169 scala-library 2.11.8

1.169.1 Available under license :

BSD 3-Clause

<http://www.scala-lang.org/license.html>

1.170 scala-reflect 2.11.7

1.170.1 Available under license :

BSD 3-Clause

<http://www.scala-lang.org/license.html>

1.171 scala-stm_2.11 0.7

1.171.1 Available under license :

BSD

<https://github.com/nbronson/scala-stm/blob/master/LICENSE.txt>

1.172 scala-xml_2.11 1.0.5

1.172.1 Available under license :

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1.173 scalac-scoverage-runtime_2.11 1.3.1

1.174 scalacache-core_2.11 0.20.0

1.175 scalacache-guava_2.11 0.20.0

1.176 scalapb-runtime_2.12 0.6.0

1.177 scalatest_2.11 3.0.0

1.178 scalatestplus-play_2.11 2.0.0-M1

1.179 shaded-scalajson_2.12 1.0.0-M4

1.180 shapeless_2.11 2.3.2

1.181 signpost-commonshhttp4 1.2.1.2

1.181.1 Available under license :

Apache License

Version 2.0, January 2004

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*/

```
package oauth.signpost.commonshhttp;
```

```
import java.io.IOException;
```

```
import oauth.signpost.AbstractOAuthProvider;
```

```
import oauth.signpost.http.HttpRequest;
```

```
import org.apache.http.HttpEntity;
```

```
import org.apache.http.HttpResponse;
```

```
import org.apache.http.client.HttpClient;
```

```
import org.apache.http.client.methods.HttpPost;
```

```
import org.apache.http.client.methods.HttpUriRequest;
```

```
import org.apache.http.impl.client.DefaultHttpClient;
```

```
/**
```

```
* This implementation uses the Apache Commons { @link HttpClient } 4.x HTTP  
* implementation to fetch OAuth tokens from a service provider. Android users  
* should use this provider implementation in favor of the default one, since  
* the latter is known to cause problems with Android's Apache Harmony  
* underpinnings.
```

```
*
```

```
* @author Matthias Kaeppler
```

```
*/
```

```
public class CommonsHttpOAuthProvider extends AbstractOAuthProvider {
```

```

private static final long serialVersionUID = 1L;

private transient HttpClient httpClient;

public CommonsHttpOAuthProvider(String requestTokenEndpointUrl, String accessTokenEndpointUrl,
    String authorizationWebsiteUrl) {
    super(requestTokenEndpointUrl, accessTokenEndpointUrl, authorizationWebsiteUrl);
    this.httpClient = new DefaultHttpClient();
}

public CommonsHttpOAuthProvider(String requestTokenEndpointUrl, String accessTokenEndpointUrl,
    String authorizationWebsiteUrl, HttpClient httpClient) {
    super(requestTokenEndpointUrl, accessTokenEndpointUrl, authorizationWebsiteUrl);
    this.httpClient = httpClient;
}

public void setHttpClient(HttpClient httpClient) {
    this.httpClient = httpClient;
}

@Override
protected HttpRequest createRequest(String endpointUrl) throws Exception {
    HttpPost request = new HttpPost(endpointUrl);
    return new HttpRequestAdapter(request);
}

@Override
protected oauth.signpost.http.HttpResponse sendRequest(HttpRequest request) throws Exception {
    HttpResponse response = httpClient.execute((HttpRequest) request.unwrap());
    return new HttpResponseAdapter(response);
}

@Override
protected void closeConnection(HttpRequest request, oauth.signpost.http.HttpResponse response)
    throws Exception {
    if (response != null) {
        HttpEntity entity = ((HttpResponse) response.unwrap()).getEntity();
        if (entity != null) {
            try {
                // free the connection
                entity.consumeContent();
            } catch (IOException e) {
                // this means HTTP keep-alive is not possible
                e.printStackTrace();
            }
        }
    }
}

```

}

1.182 signpost-core 1.2.1.2

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Version 2.0, January 2004

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```
*/
```

```
package oauth.signpost;
```

```
import java.io.IOException;
```

```
import java.io.InputStream;
```

```
import java.util.Random;
```

```
import oauth.signpost.basic.UrlStringRequestAdapter;
```

```
import oauth.signpost.exception.OAuthCommunicationException;
```

```
import oauth.signpost.exception.OAuthExpectationFailedException;
```

```
import oauth.signpost.exception.OAuthMessageSignerException;
```

```
import oauth.signpost.http.HttpParameters;
```

```
import oauth.signpost.http.HttpRequest;
```

```
import oauth.signpost.signature.AuthorizationHeaderSigningStrategy;
```

```
import oauth.signpost.signature.HmacSha1MessageSigner;
```

```
import oauth.signpost.signature.OAuthMessageSigner;
```

```
import oauth.signpost.signature.QueryStringSigningStrategy;
```

```
import oauth.signpost.signature.SigningStrategy;
```

```
/**
```

```

* ABC for consumer implementations. If you're developing a custom consumer you
* will probably inherit from this class to save you a lot of work.
*
* @author Matthias Kaeppler
*/
public abstract class AbstractOAuthConsumer implements OAuthConsumer {

    private static final long serialVersionUID = 1L;

    private String consumerKey, consumerSecret;

    private String token;

    private OAuthMessageSigner messageSigner;

    private SigningStrategy signingStrategy;

    // these are params that may be passed to the consumer directly (i.e.
    // without going through the request object)
    private HttpParameters additionalParameters;

    // these are the params which will be passed to the message signer
    private HttpParameters requestParameters;

    private boolean sendEmptyTokens;

    final private Random random = new Random(System.nanoTime());

    public AbstractOAuthConsumer(String consumerKey, String consumerSecret) {
        this.consumerKey = consumerKey;
        this.consumerSecret = consumerSecret;
        setMessageSigner(new HmacSha1MessageSigner());
        setSigningStrategy(new AuthorizationHeaderSigningStrategy());
    }

    public void setMessageSigner(OAuthMessageSigner messageSigner) {
        this.messageSigner = messageSigner;
        messageSigner.setConsumerSecret(consumerSecret);
    }

    public void setSigningStrategy(SigningStrategy signingStrategy) {
        this.signingStrategy = signingStrategy;
    }

    public void setAdditionalParameters(HttpParameters additionalParameters) {
        this.additionalParameters = additionalParameters;
    }
}

```



```

public synchronized HttpRequest sign(HttpRequest request) throws OAuthMessageSignerException,
    OAuthExpectationFailedException, OAuthCommunicationException {
    if (consumerKey == null) {
        throw new OAuthExpectationFailedException("consumer key not set");
    }
    if (consumerSecret == null) {
        throw new OAuthExpectationFailedException("consumer secret not set");
    }

    requestParameters = new HttpParameters();
    try {
        if (additionalParameters != null) {
            requestParameters.putAll(additionalParameters, false);
        }
        collectHeaderParameters(request, requestParameters);
        collectQueryParameters(request, requestParameters);
        collectBodyParameters(request, requestParameters);

        // add any OAuth params that haven't already been set
        completeOAuthParameters(requestParameters);

        requestParameters.remove(OAuth.OAUTH_SIGNATURE);

    } catch (IOException e) {
        throw new OAuthCommunicationException(e);
    }

    String signature = messageSigner.sign(request, requestParameters);
    OAuth.debugOut("signature", signature);

    signingStrategy.writeSignature(signature, request, requestParameters);
    OAuth.debugOut("Request URL", request.getRequestUrl());

    return request;
}

public synchronized HttpRequest sign(Object request) throws OAuthMessageSignerException,
    OAuthExpectationFailedException, OAuthCommunicationException {
    return sign(wrap(request));
}

public synchronized String sign(String url) throws OAuthMessageSignerException,
    OAuthExpectationFailedException, OAuthCommunicationException {
    HttpRequest request = new UrlStringRequestAdapter(url);

    // switch to URL signing
    SigningStrategy oldStrategy = this.signingStrategy;
    this.signingStrategy = new QueryStringSigningStrategy();

```

```

    sign(request);

    // revert to old strategy
    this.signingStrategy = oldStrategy;

    return request.getRequestUrl();
}

/**
 * Adapts the given request object to a Signpost {@link HttpRequest}. How
 * this is done depends on the consumer implementation.
 *
 * @param request
 *     the native HTTP request instance
 * @return the adapted request
 */
protected abstract HttpRequest wrap(Object request);

public void setTokenWithSecret(String token, String tokenSecret) {
    this.token = token;
    messageSigner.setTokenSecret(tokenSecret);
}

public String getToken() {
    return token;
}

public String getTokenSecret() {
    return messageSigner.getTokenSecret();
}

public String getConsumerKey() {
    return this.consumerKey;
}

public String getConsumerSecret() {
    return this.consumerSecret;
}

/**
 * <p>
 * Helper method that adds any OAuth parameters to the given request
 * parameters which are missing from the current request but required for
 * signing. A good example is the oauth_nonce parameter, which is typically
 * not provided by the client in advance.
 * </p>
 * <p>

```

```

* It's probably not a very good idea to override this method. If you want
* to generate different nonces or timestamps, override
* {@link #generateNonce()} or {@link #generateTimestamp()} instead.
* </p>
*
* @param out
*     the request parameter which should be completed
*/
protected void completeOAuthParameters(HttpParameters out) {
    if (!out.containsKey(OAuth.OAUTH_CONSUMER_KEY)) {
        out.put(OAuth.OAUTH_CONSUMER_KEY, consumerKey, true);
    }
    if (!out.containsKey(OAuth.OAUTH_SIGNATURE_METHOD)) {
        out.put(OAuth.OAUTH_SIGNATURE_METHOD, messageSigner.getSignatureMethod(), true);
    }
    if (!out.containsKey(OAuth.OAUTH_TIMESTAMP)) {
        out.put(OAuth.OAUTH_TIMESTAMP, generateTimestamp(), true);
    }
    if (!out.containsKey(OAuth.OAUTH_NONCE)) {
        out.put(OAuth.OAUTH_NONCE, generateNonce(), true);
    }
    if (!out.containsKey(OAuth.OAUTH_VERSION)) {
        out.put(OAuth.OAUTH_VERSION, OAuth.VERSION_1_0, true);
    }
    if (!out.containsKey(OAuth.OAUTH_TOKEN)) {
        if (token != null && !token.equals("") || sendEmptyTokens) {
            out.put(OAuth.OAUTH_TOKEN, token, true);
        }
    }
}

public HttpParameters getRequestParameters() {
    return requestParameters;
}

public void setSendEmptyTokens(boolean enable) {
    this.sendEmptyTokens = enable;
}

/**
 * Collects OAuth Authorization header parameters as per OAuth Core 1.0 spec
 * section 9.1.1
 */
protected void collectHeaderParameters(HttpServletRequest request, HttpParameters out) {
    HttpParameters headerParams =
OAuth.oauthHeaderToParamsMap(request.getHeader(OAuth.HTTP_AUTHORIZATION_HEADER));
    out.putAll(headerParams, false);
}

```

```

/**
 * Collects x-www-form-urlencoded body parameters as per OAuth Core 1.0 spec
 * section 9.1.1
 */
protected void collectBodyParameters(HttpServletRequest request, HttpParameters out)
    throws IOException {

    // collect x-www-form-urlencoded body params
    String contentType = request.getContentType();
    if (contentType != null && contentType.startsWith(OAuth.FORM_ENCODED)) {
        InputStream payload = request.getMessagePayload();
        out.putAll(OAuth.decodeForm(payload), true);
    }
}

/**
 * Collects HTTP GET query string parameters as per OAuth Core 1.0 spec
 * section 9.1.1
 */
protected void collectQueryParameters(HttpServletRequest request, HttpParameters out) {

    String url = request.getRequestUrl();
    int q = url.indexOf('?');
    if (q >= 0) {
        // Combine the URL query string with the other parameters:
        out.putAll(OAuth.decodeForm(url.substring(q + 1)), true);
    }
}

protected String generateTimestamp() {
    return Long.toString(System.currentTimeMillis() / 1000L);
}

protected String generateNonce() {
    return Long.toString(random.nextLong());
}
}

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```

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- */

```
package com.google.gdata.util.common.base;
```

```
/**
```

- * An object that converts literal text into a format safe for inclusion in a
- * particular context (such as an XML document). Typically (but not always), the
- * inverse process of "unescaping" the text is performed automatically by the
- * relevant parser.

```
*
```

- * <p>For example, an XML escaper would convert the literal string { @code
- * "Foo<Bar>"} into { @code "Foo<Bar>"} to prevent { @code "<Bar>"} from
- * being confused with an XML tag. When the resulting XML document is parsed,
- * the parser API will return this text as the original literal string { @code
- * "Foo<Bar>"}.

```
*
```

- * <p>An { @code Escaper} instance is required to be stateless, and safe when
- * used concurrently by multiple threads.

```
*
```

- * <p>Several popular escapers are defined as constants in the class { @link
- * CharEscapers}. To create your own escapers, use { @link
- * CharEscaperBuilder}, or extend { @link CharEscaper} or { @code UnicodeEscaper}.

```
*
```

```
*
```

```
*/
```

```
public interface Escaper {
```

```
/**
```

- * Returns the escaped form of a given literal string.

```
*
```

- * <p>Note that this method may treat input characters differently depending on
- * the specific escaper implementation.

```
* <ul>
```

- * { @link UnicodeEscaper} handles

```
* <a href="http://en.wikipedia.org/wiki/UTF-16">UTF-16</a> correctly,
```

- * including surrogate character pairs. If the input is badly formed the

```
* escaper should throw { @link IllegalArgumentException}.
```

- * { @link CharEscaper} handles Java characters independently and does not

```
* verify the input for well formed characters. A CharEscaper should not be
```

- * used in situations where input is not guaranteed to be restricted to the

```
* Basic Multilingual Plane (BMP).
```

```
* </ul>
```

```
*
```

```
* @param string the literal string to be escaped
```

```
* @return the escaped form of { @code string}
```

```

* @throws NullPointerException if { @code string } is null
* @throws IllegalArgumentException if { @code string } contains badly formed
*   UTF-16 or cannot be escaped for any other reason
*/
public String escape(String string);

/**
* Returns an { @code Appendable } instance which automatically escapes all
* text appended to it before passing the resulting text to an underlying
* { @code Appendable }.
*
* <p>Note that this method may treat input characters differently depending on
* the specific escaper implementation.
* <ul>
* <li>{ @link UnicodeEscaper } handles
* <a href="http://en.wikipedia.org/wiki/UTF-16">UTF-16</a> correctly,
* including surrogate character pairs. If the input is badly formed the
* escaper should throw { @link IllegalArgumentException }.
* <li>{ @link CharEscaper } handles Java characters independently and does not
* verify the input for well formed characters. A CharEscaper should not be
* used in situations where input is not guaranteed to be restricted to the
* Basic Multilingual Plane (BMP).
* </ul>
*
* @param out the underlying { @code Appendable } to append escaped output to
* @return an { @code Appendable } which passes text to { @code out } after
*   escaping it.
*/
public Appendable escape(Appendable out);
}

```

1.183 sjson-new-core_2.12 0.8.0

1.184 sjson-new-murmurhash_2.12 0.8.0

1.185 sjson-new-scalajson_2.12 0.8.0

1.186 slf4j-api 1.7.21

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1.188 ssl-config-akka_2.11 0.2.1

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1.192 twirl-parser_2.10 1.1.1

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1.195 xml-apis 1.4.01

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