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1.721 XML Pull Parsing API 1.1.3.1

1.722 xml-apis 1.4.01

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1.741 zuul-core 1.3.0

1.1 "Java Concurrency in Practice" book annotations 1.0

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1.5 adal4j 1.2.0

1.6 aliyun-java-sdk-core 3.0.8

1.7 aliyun-java-sdk-ecs 2.2.3

1.8 amqp-client 4.2.1

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1.9 amqp-client 4.0.3

1.10 anet-java-sdk-1.8.2 1.8.2

1.11 animal-sniffer-annotations 1.14

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<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/66" />
  <meta name="Generator" content="Drupal 7 (http://drupal.org)" />
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  <title>The MIT License | Open Source Initiative</title>
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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?ooglib" 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_aczm2rRgH_slWBPnvD3KMrK7rwa1i99HOq8IUAb99Co.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":"s2vZViqeD3I9Fq1
EBk624uZGzbS0vJ_7HPPuTvDaaeA","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\/bo
otstrap-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\/mit-
license.php":true},"superfish":{"1":{"id":"1","sf":{"animation":{"opacity":"show","height":"show"},"speed":"\u002
7fast\u0027","autoArrows":false,"dropShadows":true,"disableHI":false},"plugins":{"touchscreen":{"mode":"windo
w_width"},"smallscreen":{"mode":"window_width","addSelected":false,"menuClasses":false,"hyperlinkClasses":fa
lse,"title":"Navigation"},"supposition":true,"bgiframe":false,"supersubs":{"minWidth":"12","maxWidth":"27","extr
aWidth":1}}}}});
//--><![>

```

```

</script>
</head>
<body class="html not-front not-logged-in no-sidebars page-node page-node- page-node-66 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>
          <!-- 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/mit-license.php" method="post" id="search-block-form" accept-charset="UTF-8"><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-
    3fdl1mgwpFzazdhVEs8DfK2cR3DKGD4vTlh3TguBqjQ" />
    <input type="hidden" name="form_id" value="search_block_form" />
    </div>
</div></form> </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'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">Logo Guidelines<li id="menu-126-1" class="last even sf-item-4 sf-depth-2 sf-no-children">Terms of Service<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">Licenses<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">Open Source Definition<li id="menu-62-1" class="firstandlast odd sf-item-1 sf-depth-3 sf-no-children">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-4 sf-parent-children-0 sf-single-children-4 menuparent"><a href="/lists" title="The virtual
committees where the OSI's work gets done" class="sf-depth-2 menuparent">Mailing lists</a><ul><li
id="menu-78-1" class="first odd sf-item-1 sf-depth-3 sf-no-children"><a href="/codeofconduct" title="Guidelines
for OSI Mailing Lists" class="sf-depth-3">General Code of Conduct</a></li><li id="menu-1072-1" class="middle
even sf-item-2 sf-depth-3 sf-no-children"><a href="/codeofconduct/licensing" class="sf-depth-3">Licensing Code
of Conduct</a></li><li id="menu-2111-1" class="middle odd sf-item-3 sf-depth-3 sf-no-children"><a
href="/public_forums_disclaimer" class="sf-depth-3">Disclaimer for OSI Public Forums</a></li><li id="menu-
2110-1" class="last even sf-item-4 sf-depth-3 sf-no-children"><a href="/public_archives_policy" class="sf-depth-
3">Policy on Public Communications and Archives</a></li></ul></li><li id="menu-2032-1" class="middle even
sf-item-2 sf-depth-2 sf-no-children"><a href="/volunteers" class="sf-depth-2">Volunteers</a></li><li id="menu-
1846-1" class="middle odd sf-item-3 sf-depth-2 sf-no-children"><a href="http://wiki.opensource.org" title=""
class="sf-depth-2">Wiki</a></li><li id="menu-1524-1" class="last even sf-item-4 sf-depth-2 sf-no-children"><a
href="/store" 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-5 sf-parent-children-1 sf-single-children-4 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-1514-1" class="middle even
sf-item-4 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 odd sf-item-5 sf-depth-2 sf-no-children"><a href="/osi-open-source-education"
title="OSI'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-2 sf-
parent-children-0 sf-single-children-2 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-1845-1" class="first odd sf-item-1
sf-depth-2 sf-no-children"><a href="/newsletters" title="Index of newsletters" class="sf-depth-
2">Newsletters</a></li><li id="menu-1999-1" class="last even sf-item-2 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 MIT 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-66" 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"><p style="font-weight:bold">
SPDX short identifier: MIT
</p>

```

```

<div align="right">
<button onclick="myFunction()">Further resources on the <b>MIT 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/mit-license style='font-weight: bold;';>The MIT 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>

```

```

<p>Copyright <YEAR> <COPYRIGHT HOLDER></p>

```

```

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to use, copy, modify, merge, publish, distribute, sublicense, and/or sell
copies of the Software, and to permit persons to whom the Software is
furnished to do so, subject to the following conditions:</p>

```

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```

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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>

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<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>

```

1.12 annotations 2.0.1

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1.13 ANTLR 2.7.7

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The primary ANTLR guy:

Terence Parr
parr@cs.usfca.edu
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1.15 aopalliance version 1.0 repackaged as a module 2.4.0-b31

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1.32 aspectjrt 1.8.7

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1.36 atomikos-util 4.0.0

1.37 automaton 1.11-8

1.38 aws-java-sdk 1.11.274

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 */
package com.amazonaws.services.glacier.model;

import javax.annotation.Generated;

/**
 *
 */
@Generated("com.amazonaws:aws-java-sdk-code-generator")
public enum Permission {

    FULL_CONTROL("FULL_CONTROL"),
    WRITE("WRITE"),
    WRITE_ACP("WRITE_ACP"),
    READ("READ"),
    READ_ACP("READ_ACP");

    private String value;

    private Permission(String value) {
        this.value = value;
    }

    @Override
    public String toString() {
        return this.value;
    }
}

/**
 * Use this in place of valueOf.
```

```

*
* @param value
*     real value
* @return Permission corresponding to the value
*
* @throws IllegalArgumentException
*     If the specified value does not map to one of the known values in this enum.
*/
public static Permission fromValue(String value) {
    if (value == null || "".equals(value)) {
        throw new IllegalArgumentException("Value cannot be null or empty!");
    }

    for (Permission enumEntry : Permission.values()) {
        if (enumEntry.toString().equals(value)) {
            return enumEntry;
        }
    }

    throw new IllegalArgumentException("Cannot create enum from " + value + " value!");
}
}

```

AWS SDK for Java

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*/
package com.amazonaws.services.shield.model;

import java.io.Serializable;
import javax.annotation.Generated;
import com.amazonaws.protocol.StructuredPojo;
import com.amazonaws.protocol.ProtocolMarshaller;

/**
 * <p>
 * A contributor to the attack and their contribution.
 * </p>
 *
 * @see <a href="http://docs.aws.amazon.com/goto/WebAPI/shield-2016-06-02/Contributor" target="_top">AWS
API
 * Documentation</a>
 */
@Generated("com.amazonaws:aws-java-sdk-code-generator")
public class Contributor implements Serializable, Cloneable, StructuredPojo {

    /**
     * <p>
     * The name of the contributor. This is dependent on the <code>AttackPropertyIdentifier</code>. For example, if
the
     * <code>AttackPropertyIdentifier</code> is <code>SOURCE_COUNTRY</code>, the <code>Name</code>
could be
     * <code>United States</code>.
     * </p>
     */
    private String name;

    /**
     * <p>
     * The contribution of this contributor expressed in <a>Protection</a> units. For example <code>10,000</code>.
     * </p>
     */
    private Long value;

    /**
     * <p>
     * The name of the contributor. This is dependent on the <code>AttackPropertyIdentifier</code>. For example, if
the
     * <code>AttackPropertyIdentifier</code> is <code>SOURCE_COUNTRY</code>, the <code>Name</code>
could be
     * <code>United States</code>.
     * </p>

```

```

*
* @param name
*   The name of the contributor. This is dependent on the <code>AttackPropertyIdentifier</code>. For
example,
*   if the <code>AttackPropertyIdentifier</code> is <code>SOURCE_COUNTRY</code>, the
<code>Name</code> could
*   be <code>United States</code>.
*/

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

/**
* <p>
* The name of the contributor. This is dependent on the <code>AttackPropertyIdentifier</code>. For example, if
the
* <code>AttackPropertyIdentifier</code> is <code>SOURCE_COUNTRY</code>, the <code>Name</code>
could be
* <code>United States</code>.
* </p>
*
* @return The name of the contributor. This is dependent on the <code>AttackPropertyIdentifier</code>. For
example,
*   if the <code>AttackPropertyIdentifier</code> is <code>SOURCE_COUNTRY</code>, the
<code>Name</code> could
*   be <code>United States</code>.
*/

public String getName() {
    return this.name;
}

/**
* <p>
* The name of the contributor. This is dependent on the <code>AttackPropertyIdentifier</code>. For example, if
the
* <code>AttackPropertyIdentifier</code> is <code>SOURCE_COUNTRY</code>, the <code>Name</code>
could be
* <code>United States</code>.
* </p>
*
* @param name
*   The name of the contributor. This is dependent on the <code>AttackPropertyIdentifier</code>. For
example,
*   if the <code>AttackPropertyIdentifier</code> is <code>SOURCE_COUNTRY</code>, the
<code>Name</code> could
*   be <code>United States</code>.

```

```

* @return Returns a reference to this object so that method calls can be chained together.
*/

public Contributor withName(String name) {
    setName(name);
    return this;
}

/**
 * <p>
 * The contribution of this contributor expressed in <a>Protection</a> units. For example <code>10,000</code>.
 * </p>
 *
 * @param value
 *     The contribution of this contributor expressed in <a>Protection</a> units. For example
<code>10,000</code>
 *
 */

public void setValue(Long value) {
    this.value = value;
}

/**
 * <p>
 * The contribution of this contributor expressed in <a>Protection</a> units. For example <code>10,000</code>.
 * </p>
 *
 * @return The contribution of this contributor expressed in <a>Protection</a> units. For example
 *     <code>10,000</code>.
 */

public Long getValue() {
    return this.value;
}

/**
 * <p>
 * The contribution of this contributor expressed in <a>Protection</a> units. For example <code>10,000</code>.
 * </p>
 *
 * @param value
 *     The contribution of this contributor expressed in <a>Protection</a> units. For example
<code>10,000</code>
 *
 * @return Returns a reference to this object so that method calls can be chained together.
 */

```

```

public Contributor withValue(Long value) {
    setValue(value);
    return this;
}

/**
 * Returns a string representation of this object; useful for testing and debugging.
 *
 * @return A string representation of this object.
 *
 * @see java.lang.Object#toString()
 */
@Override
public String toString() {
    StringBuilder sb = new StringBuilder();
    sb.append("{}");
    if (getName() != null)
        sb.append("Name: ").append(getName()).append(",");
    if (getValue() != null)
        sb.append("Value: ").append(getValue());
    sb.append("}");
    return sb.toString();
}

@Override
public boolean equals(Object obj) {
    if (this == obj)
        return true;
    if (obj == null)
        return false;

    if (obj instanceof Contributor == false)
        return false;
    Contributor other = (Contributor) obj;
    if (other.getName() == null ^ this.getName() == null)
        return false;
    if (other.getName() != null && other.getName().equals(this.getName()) == false)
        return false;
    if (other.getValue() == null ^ this.getValue() == null)
        return false;
    if (other.getValue() != null && other.getValue().equals(this.getValue()) == false)
        return false;
    return true;
}

@Override
public int hashCode() {
    final int prime = 31;

```

```

int hashCode = 1;

hashCode = prime * hashCode + ((getName() == null) ? 0 : getName().hashCode());
hashCode = prime * hashCode + ((getValue() == null) ? 0 : getValue().hashCode());
return hashCode;
}

@Override
public Contributor clone() {
    try {
        return (Contributor) super.clone();
    } catch (CloneNotSupportedException e) {
        throw new IllegalStateException("Got a CloneNotSupportedException from Object.clone() " + "even though
we're Cloneable!", e);
    }
}

@com.amazonaws.annotation.SdkInternalApi
@Override
public void marshall(ProtocolMarshaller protocolMarshaller) {
    com.amazonaws.services.shield.model.transform.ContributorMarshaller.getInstance().marshall(this,
protocolMarshaller);
}
}

```

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Version 2.0, January 2004

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*/

```
package com.amazonaws.services.greengrass.model;
```

```
import javax.annotation.Generated;
```

```
/**
```

```
* Type of permissions a function could have to access a resource.
```

```
*/
```

```
@Generated("com.amazonaws:aws-java-sdk-code-generator")
```

```
public enum Permission {
```

```
    Ro("ro"),
```

```
    Rw("rw");
```

```
    private String value;
```

```
    private Permission(String value) {
```

```
        this.value = value;
```

```
    }
```

```
    @Override
```

```
    public String toString() {
```

```
        return this.value;
```

```
    }
```

```
/**
```

```
* Use this in place of valueOf.
```

```
*
```

```
* @param value
```

```
*     real value
```

```
* @return Permission corresponding to the value
```

```
*
```

```

* @throws IllegalArgumentException
*     If the specified value does not map to one of the known values in this enum.
*/
public static Permission fromValue(String value) {
    if (value == null || "".equals(value)) {
        throw new IllegalArgumentException("Value cannot be null or empty!");
    }

    for (Permission enumEntry : Permission.values()) {
        if (enumEntry.toString().equals(value)) {
            return enumEntry;
        }
    }

    throw new IllegalArgumentException("Cannot create enum from " + value + " value!");
}
}
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*/
package com.amazonaws.services.opsworks.model;

import java.io.Serializable;
import javax.annotation.Generated;
import com.amazonaws.protocol.StructuredPojo;
import com.amazonaws.protocol.ProtocolMarshaller;

/**
* <p>
* Describes stack or user permissions.
* </p>
*
* @see <a href="http://docs.aws.amazon.com/goto/WebAPI/opsworks-2013-02-18/Permission"
target="_top">AWS API
* Documentation</a>
*/

```

```

@Generated("com.amazonaws:aws-java-sdk-code-generator")
public class Permission implements Serializable, Cloneable, StructuredPojo {

    /**
     * <p>
     * A stack ID.
     * </p>
     */
    private String stackId;

    /**
     * <p>
     * The Amazon Resource Name (ARN) for an AWS Identity and Access Management (IAM) role. For more
information about
     * IAM ARNs, see <a href="http://docs.aws.amazon.com/IAM/latest/UserGuide/Using_Identifiers.html">Using
     * Identifiers</a>.
     * </p>
     */
    private String iamUserArn;

    /**
     * <p>
     * Whether the user can use SSH.
     * </p>
     */
    private Boolean allowSsh;

    /**
     * <p>
     * Whether the user can use <b>sudo</b>.
     * </p>
     */
    private Boolean allowSudo;

    /**
     * <p>
     * The user's permission level, which must be the following:
     * <p>
     * <ul>
     * <li>
     * <p>
     * <code>deny</code>
     * </p>
     * </li>
     * <li>
     * <p>
     * <code>show</code>
     * </p>
     * </li>
     * <li>
     * <p>
     * <code>deploy</code>
     * </p>
     * </li>
     * </ul>
     * </p>
     */
}

```

```

* </p>
* </li>
* <li>
* <p>
* <code>manage</code>
* </p>
* </li>
* <li>
* <p>
* <code>iam_only</code>
* </p>
* </li>
* </ul>
* <p>
* For more information on the permissions associated with these levels, see <a
* href="http://docs.aws.amazon.com/opsworks/latest/userguide/opsworks-security-users.html">Managing User
* Permissions</a>
* </p>
*/
private String level;

/**
 * <p>
 * A stack ID.
 * </p>
 *
 * @param stackId
 *     A stack ID.
 */

public void setStackId(String stackId) {
    this.stackId = stackId;
}

/**
 * <p>
 * A stack ID.
 * </p>
 *
 * @return A stack ID.
 */

public String getStackId() {
    return this.stackId;
}

/**
 * <p>

```

```

* A stack ID.
* </p>
*
* @param stackId
*     A stack ID.
* @return Returns a reference to this object so that method calls can be chained together.
*/

public Permission withStackId(String stackId) {
    setStackId(stackId);
    return this;
}

/**
 * <p>
 * The Amazon Resource Name (ARN) for an AWS Identity and Access Management (IAM) role. For more
information about
 * IAM ARNs, see <a href="http://docs.aws.amazon.com/IAM/latest/UserGuide/Using_Identifiers.html">Using
 * Identifiers</a>.
 * </p>
 *
 * @param iamUserArn
 *     The Amazon Resource Name (ARN) for an AWS Identity and Access Management (IAM) role. For more
information
 *     about IAM ARNs, see <a
href="http://docs.aws.amazon.com/IAM/latest/UserGuide/Using_Identifiers.html">Using
 *     Identifiers</a>.
 */

public void setIamUserArn(String iamUserArn) {
    this.iamUserArn = iamUserArn;
}

/**
 * <p>
 * The Amazon Resource Name (ARN) for an AWS Identity and Access Management (IAM) role. For more
information about
 * IAM ARNs, see <a href="http://docs.aws.amazon.com/IAM/latest/UserGuide/Using_Identifiers.html">Using
 * Identifiers</a>.
 * </p>
 *
 * @return The Amazon Resource Name (ARN) for an AWS Identity and Access Management (IAM) role. For
more information
 *     about IAM ARNs, see <a
href="http://docs.aws.amazon.com/IAM/latest/UserGuide/Using_Identifiers.html">Using Identifiers</a>.
 */

public String getIamUserArn() {

```

```

        return this.iamUserArn;
    }

    /**
     * <p>
     * The Amazon Resource Name (ARN) for an AWS Identity and Access Management (IAM) role. For more
    information about
     * IAM ARNs, see <a href="http://docs.aws.amazon.com/IAM/latest/UserGuide/Using_Identifiers.html">Using
     * Identifiers</a>.
     * </p>
     *
     * @param iamUserArn
     * The Amazon Resource Name (ARN) for an AWS Identity and Access Management (IAM) role. For more
    information
     * about IAM ARNs, see <a
    href="http://docs.aws.amazon.com/IAM/latest/UserGuide/Using_Identifiers.html">Using
     * Identifiers</a>.
     * @return Returns a reference to this object so that method calls can be chained together.
     */

    public Permission withIamUserArn(String iamUserArn) {
        setIamUserArn(iamUserArn);
        return this;
    }

    /**
     * <p>
     * Whether the user can use SSH.
     * </p>
     *
     * @param allowSsh
     * Whether the user can use SSH.
     */

    public void setAllowSsh(Boolean allowSsh) {
        this.allowSsh = allowSsh;
    }

    /**
     * <p>
     * Whether the user can use SSH.
     * </p>
     *
     * @return Whether the user can use SSH.
     */

    public Boolean getAllowSsh() {
        return this.allowSsh;
    }

```



```

}

/**
 * <p>
 * Whether the user can use SSH.
 * </p>
 *
 * @param allowSsh
 *     Whether the user can use SSH.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

public Permission withAllowSsh(Boolean allowSsh) {
    setAllowSsh(allowSsh);
    return this;
}

/**
 * <p>
 * Whether the user can use SSH.
 * </p>
 *
 * @return Whether the user can use SSH.
 */

public Boolean isAllowSsh() {
    return this.allowSsh;
}

/**
 * <p>
 * Whether the user can use <b>sudo</b>.
 * </p>
 *
 * @param allowSudo
 *     Whether the user can use <b>sudo</b>.
 */

public void setAllowSudo(Boolean allowSudo) {
    this.allowSudo = allowSudo;
}

/**
 * <p>
 * Whether the user can use <b>sudo</b>.
 * </p>
 *
 * @return Whether the user can use <b>sudo</b>.
 */

```

```

*/

public Boolean getAllowSudo() {
    return this.allowSudo;
}

/**
 * <p>
 * Whether the user can use <b>sudo</b>.
 * </p>
 *
 * @param allowSudo
 * Whether the user can use <b>sudo</b>.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

public Permission withAllowSudo(Boolean allowSudo) {
    setAllowSudo(allowSudo);
    return this;
}

/**
 * <p>
 * Whether the user can use <b>sudo</b>.
 * </p>
 *
 * @return Whether the user can use <b>sudo</b>.
 */

public Boolean isAllowSudo() {
    return this.allowSudo;
}

/**
 * <p>
 * The user's permission level, which must be the following:
 * </p>
 * <ul>
 * <li>
 * <p>
 * <code>deny</code>
 * </p>
 * </li>
 * <li>
 * <p>
 * <code>show</code>
 * </p>
 * </li>
 * </ul>
 */

```

```

* <li>
* <p>
* <code>deploy</code>
* </p>
* </li>
* <li>
* <p>
* <code>manage</code>
* </p>
* </li>
* <li>
* <p>
* <code>iam_only</code>
* </p>
* </li>
* </ul>
* <p>
* For more information on the permissions associated with these levels, see <a
* href="http://docs.aws.amazon.com/opsworks/latest/userguide/opsworks-security-users.html">Managing User
* Permissions</a>
* </p>
*
* @param level
*   The user's permission level, which must be the following:</p>
*   <ul>
*   <li>
*   <p>
*   <code>deny</code>
*   </p>
*   </li>
*   <li>
*   <p>
*   <code>show</code>
*   </p>
*   </li>
*   <li>
*   <p>
*   <code>deploy</code>
*   </p>
*   </li>
*   <li>
*   <p>
*   <code>manage</code>
*   </p>
*   </li>
*   <li>
*   <p>
*   <code>iam_only</code>

```

```

* </p>
* </li>
* </ul>
* <p>
* For more information on the permissions associated with these levels, see <a
* href="http://docs.aws.amazon.com/opsworks/latest/userguide/opsworks-security-users.html">Managing

```

User

```

* Permissions</a>
*/

```

```

public void setLevel(String level) {
    this.level = level;
}

```

```

/**

```

```

* <p>

```

```

* The user's permission level, which must be the following:

```

```

* </p>

```

```

* <ul>

```

```

* <li>

```

```

* <p>

```

```

* <code>deny</code>

```

```

* </p>

```

```

* </li>

```

```

* <li>

```

```

* <p>

```

```

* <code>show</code>

```

```

* </p>

```

```

* </li>

```

```

* <li>

```

```

* <p>

```

```

* <code>deploy</code>

```

```

* </p>

```

```

* </li>

```

```

* <li>

```

```

* <p>

```

```

* <code>manage</code>

```

```

* </p>

```

```

* </li>

```

```

* <li>

```

```

* <p>

```

```

* <code>iam_only</code>

```

```

* </p>

```

```

* </li>

```

```

* </ul>

```

```

* <p>

```

```

* For more information on the permissions associated with these levels, see <a

```

```

* href="http://docs.aws.amazon.com/opsworks/latest/userguide/opsworks-security-users.html">Managing User

```

```

* Permissions</a>
* </p>
*
* @return The user's permission level, which must be the following:</p>
*   <ul>
*     <li>
*       <p>
*         <code>deny</code>
*       </p>
*     </li>
*     <li>
*       <p>
*         <code>show</code>
*       </p>
*     </li>
*     <li>
*       <p>
*         <code>deploy</code>
*       </p>
*     </li>
*     <li>
*       <p>
*         <code>manage</code>
*       </p>
*     </li>
*     <li>
*       <p>
*         <code>iam_only</code>
*       </p>
*     </li>
*   </ul>
*   <p>
*     For more information on the permissions associated with these levels, see <a
*     href="http://docs.aws.amazon.com/opsworks/latest/userguide/opsworks-security-users.html">Managing

```

User

```

*   Permissions</a>
*/

```

```

public String getLevel() {
    return this.level;
}

```

```

/**

```

```

* <p>
* The user's permission level, which must be the following:
* </p>
* <ul>
* <li>

```

```

* <p>
* <code>deny</code>
* </p>
* </li>
* <li>
* <p>
* <code>show</code>
* </p>
* </li>
* <li>
* <p>
* <code>deploy</code>
* </p>
* </li>
* <li>
* <p>
* <code>manage</code>
* </p>
* </li>
* <li>
* <p>
* <code>iam_only</code>
* </p>
* </li>
* </ul>
* <p>
* For more information on the permissions associated with these levels, see <a
* href="http://docs.aws.amazon.com/opsworks/latest/userguide/opsworks-security-users.html">Managing User
* Permissions</a>
* </p>
*
* @param level
*   The user's permission level, which must be the following:</p>
*   <ul>
*   <li>
*   <p>
*   <code>deny</code>
*   </p>
*   </li>
*   <li>
*   <p>
*   <code>show</code>
*   </p>
*   </li>
*   <li>
*   <p>
*   <code>deploy</code>
*   </p>

```

```

* </li>
* <li>
* <p>
* <code>manage</code>
* </p>
* </li>
* <li>
* <p>
* <code>iam_only</code>
* </p>
* </li>
* </ul>
* <p>
* For more information on the permissions associated with these levels, see <a
* href="http://docs.aws.amazon.com/opsworks/latest/userguide/opsworks-security-users.html">Managing

```

User

```

* Permissions</a>
* @return Returns a reference to this object so that method calls can be chained together.
*/

```

```

public Permission withLevel(String level) {
    setLevel(level);
    return this;
}

```

```

/**
 * Returns a string representation of this object; useful for testing and debugging.
 *
 * @return A string representation of this object.
 *
 * @see java.lang.Object#toString()
 */

```

@Override

```

public String toString() {
    StringBuilder sb = new StringBuilder();
    sb.append("{}");
    if (getStackId() != null)
        sb.append("StackId: ").append(getStackId()).append(",");
    if (getIamUserArn() != null)
        sb.append("IamUserArn: ").append(getIamUserArn()).append(",");
    if (getAllowSsh() != null)
        sb.append("AllowSsh: ").append(getAllowSsh()).append(",");
    if (getAllowSudo() != null)
        sb.append("AllowSudo: ").append(getAllowSudo()).append(",");
    if (getLevel() != null)
        sb.append("Level: ").append(getLevel());
    sb.append("{}");
    return sb.toString();
}

```

```

}

@Override
public boolean equals(Object obj) {
    if (this == obj)
        return true;
    if (obj == null)
        return false;

    if (obj instanceof Permission == false)
        return false;
    Permission other = (Permission) obj;
    if (other.getStackId() == null ^ this.getStackId() == null)
        return false;
    if (other.getStackId() != null && other.getStackId().equals(this.getStackId()) == false)
        return false;
    if (other.getIamUserArn() == null ^ this.getIamUserArn() == null)
        return false;
    if (other.getIamUserArn() != null && other.getIamUserArn().equals(this.getIamUserArn()) == false)
        return false;
    if (other.getAllowSsh() == null ^ this.getAllowSsh() == null)
        return false;
    if (other.getAllowSsh() != null && other.getAllowSsh().equals(this.getAllowSsh()) == false)
        return false;
    if (other.getAllowSudo() == null ^ this.getAllowSudo() == null)
        return false;
    if (other.getAllowSudo() != null && other.getAllowSudo().equals(this.getAllowSudo()) == false)
        return false;
    if (other.getLevel() == null ^ this.getLevel() == null)
        return false;
    if (other.getLevel() != null && other.getLevel().equals(this.getLevel()) == false)
        return false;
    return true;
}

@Override
public int hashCode() {
    final int prime = 31;
    int hashCode = 1;

    hashCode = prime * hashCode + ((getStackId() == null) ? 0 : getStackId().hashCode());
    hashCode = prime * hashCode + ((getIamUserArn() == null) ? 0 : getIamUserArn().hashCode());
    hashCode = prime * hashCode + ((getAllowSsh() == null) ? 0 : getAllowSsh().hashCode());
    hashCode = prime * hashCode + ((getAllowSudo() == null) ? 0 : getAllowSudo().hashCode());
    hashCode = prime * hashCode + ((getLevel() == null) ? 0 : getLevel().hashCode());
    return hashCode;
}

```



```

@Override
public Permission clone() {
    try {
        return (Permission) super.clone();
    } catch (CloneNotSupportedException e) {
        throw new IllegalStateException("Got a CloneNotSupportedException from Object.clone() " + "even though
we're Cloneable!", e);
    }
}

```

```

@com.amazonaws.annotation.SdkInternalApi
@Override
public void marshall(ProtocolMarshaller protocolMarshaller) {
    com.amazonaws.services.opsworks.model.transform.PermissionMarshaller.getInstance().marshall(this,
protocolMarshaller);
}
}

```

```

/*
 * Copyright 2010-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.
 *
 * Licensed under the Apache License, Version 2.0 (the "License").
 * You may not use this file except in compliance with the License.
 * A copy of the License is located at
 *
 * http://aws.amazon.com/apache2.0
 *
 * or in the "license" file accompanying this file. This file 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.
 */

```

```

package com.amazonaws.services.s3.model;

```

```

/**
 * Specifies constants defining an access permission,
 * as granted to grantees in an
 * {@link AccessControlList}. Only a limited set of permission are available;
 * each one is represented as a value in this enumeration.
 */

```

```

public enum Permission {

```

```

/**
 * Provides READ, WRITE, READ_ACP, and WRITE_ACP permissions.
 * <p>
 * It does not convey additional rights and is provided only for
 * convenience.
 * </p>
 */

```

```

FullControl("FULL_CONTROL", "x-amz-grant-full-control"),

/**
 * Grants permission to list the bucket when applied to a bucket.
 * Grants permission to read object data
 * and/or metadata when applied to an object.
 */
Read("READ", "x-amz-grant-read"),

/**
 * Grants permission to create, overwrite, and
 * delete any objects in the bucket.
 * <p>
 * This permission is not supported for objects.
 * </p>
 */
Write("WRITE", "x-amz-grant-write"),

/**
 * Grants permission to read the ACL for the applicable bucket or object.
 * <p>
 * The owner of a bucket or object always implicitly has this permission.
 * </p>
 */
ReadAcp("READ_ACP", "x-amz-grant-read-acp"),

/**
 * Gives permission to overwrite the ACP for the applicable bucket or
 * object.
 * <p>
 * The owner of a bucket or object always has this permission implicitly.
 * </p>
 * <p>
 * Granting this permission is equivalent to granting <code>FULL_CONTROL</code>because
 * the grant recipient can make any changes to the ACP.
 * </p>
 */
WriteAcp("WRITE_ACP", "x-amz-grant-write-acp");

private String permissionString;
private String headerName;

private Permission(String permissionString, String headerName) {
    this.permissionString = permissionString;
    this.headerName = headerName;
}

/**

```

```

* Returns the name of the header used to grant this permission.
*/
public String getHeaderName() {
    return headerName;
}

/**
 * Gets the string representation of this permission object as defined by
 * Amazon S3, eg. FULL_CONTROL.
 *
 * @return The string representation of this permission object as defined by
 *         Amazon S3, eg. FULL_CONTROL.
 */
public String toString() {
    return permissionString;
}

/**
 * Returns the {@link Permission} enumeration value representing the specified Amazon
 * S3 Region ID string. If specified string doesn't map to a known Amazon S3
 * Region, returns null.
 *
 * @param str
 *         A string representation of an Amazon S3 permission, eg.
 *         FULL_CONTROL
 *
 * @return The {@link Permission} object represented by the given permission string,
 *         Returns null if the string isn't a valid representation
 *         of an Amazon S3
 *         permission.
 */
public static Permission parsePermission(String str) {
    for (Permission permission : Permission.values()) {
        if (permission.permissionString.equals(str)) {
            return permission;
        }
    }

    return null;
}

}

/**
 * Copyright 2013-2018 Amazon.com, Inc. or its affiliates. All Rights Reserved.
 *
 * Licensed under the Apache License, Version 2.0 (the "License"). You may not use this file except in compliance
 * with
 * the License. A copy of the License is located at

```

```

*
* http://aws.amazon.com/apache2.0
*
* or in the "license" file accompanying this file. This file 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.
*/
package com.amazonaws.services.elastictranscoder.model;

```

```

import java.io.Serializable;
import javax.annotation.Generated;
import com.amazonaws.protocol.StructuredPojo;
import com.amazonaws.protocol.ProtocolMarshaller;

```

```

/**
 * <p>
 * The <code>Permission</code> structure.
 * </p>
 */
@Generated("com.amazonaws:aws-java-sdk-code-generator")
public class Permission implements Serializable, Cloneable, StructuredPojo {

```

```

/**
 * <p>
 * The type of value that appears in the Grantee object:
 * </p>
 * <ul>
 * <li>
 * <p>
 * <code>Canonical</code>: Either the canonical user ID for an AWS account or an origin access identity for an
 * Amazon CloudFront distribution.
 * </p>
 * <important>
 * <p>
 * A canonical user ID is not the same as an AWS account number.
 * </p>
 * </important></li>
 * <li>
 * <p>
 * <code>Email</code>: The registered email address of an AWS account.
 * </p>
 * </li>
 * <li>
 * <p>
 * <code>Group</code>: One of the following predefined Amazon S3 groups: <code>AllUsers</code>,
 * <code>AuthenticatedUsers</code>, or <code>LogDelivery</code>.

```

```

* </p>
* </li>
* </ul>
*/
private String granteeType;
/**
* <p>
* The AWS user or group that you want to have access to transcoded files and playlists. To identify the user or
* group, you can specify the canonical user ID for an AWS account, an origin access identity for a CloudFront
* distribution, the registered email address of an AWS account, or a predefined Amazon S3 group.
* </p>
*/
private String grantee;
/**
* <p>
* The permission that you want to give to the AWS user that is listed in Grantee. Valid values include:
* </p>
* <ul>
* <li>
* <p>
* <code>READ</code>: The grantee can read the thumbnails and metadata for thumbnails that Elastic
Transcoder adds
* to the Amazon S3 bucket.
* </p>
* </li>
* <li>
* <p>
* <code>READ_ACP</code>: The grantee can read the object ACL for thumbnails that Elastic Transcoder adds
to the
* Amazon S3 bucket.
* </p>
* </li>
* <li>
* <p>
* <code>WRITE_ACP</code>: The grantee can write the ACL for the thumbnails that Elastic Transcoder adds to
the
* Amazon S3 bucket.
* </p>
* </li>
* <li>
* <p>
* <code>FULL_CONTROL</code>: The grantee has READ, READ_ACP, and WRITE_ACP permissions for
the thumbnails that
* Elastic Transcoder adds to the Amazon S3 bucket.
* </p>
* </li>
* </ul>
*/

```

```

private com.amazonaws.internal.SdkInternalList<String> access;

/**
 * <p>
 * The type of value that appears in the Grantee object:
 * </p>
 * <ul>
 * <li>
 * <p>
 * <code>Canonical</code>: Either the canonical user ID for an AWS account or an origin access identity for an
 * Amazon CloudFront distribution.
 * </p>
 * <important>
 * <p>
 * A canonical user ID is not the same as an AWS account number.
 * </p>
 * </important></li>
 * <li>
 * <p>
 * <code>Email</code>: The registered email address of an AWS account.
 * </p>
 * </li>
 * <li>
 * <p>
 * <code>Group</code>: One of the following predefined Amazon S3 groups: <code>AllUsers</code>,
 * <code>AuthenticatedUsers</code>, or <code>LogDelivery</code>.
 * </p>
 * </li>
 * </ul>
 *
 * @param granteeType
 * The type of value that appears in the Grantee object:</p>
 * <ul>
 * <li>
 * <p>
 * <code>Canonical</code>: Either the canonical user ID for an AWS account or an origin access identity for
 * an Amazon CloudFront distribution.
 * </p>
 * <important>
 * <p>
 * A canonical user ID is not the same as an AWS account number.
 * </p>
 * </important></li>
 * <li>
 * <p>
 * <code>Email</code>: The registered email address of an AWS account.
 * </p>
 * </li>

```

```

* <li>
* <p>
* <code>Group</code>: One of the following predefined Amazon S3 groups: <code>AllUsers</code>,
* <code>AuthenticatedUsers</code>, or <code>LogDelivery</code>.
* </p>
* </li>
*/

```

```

public void setGranteeType(String granteeType) {
    this.granteeType = granteeType;
}

```

```

/**
* <p>
* The type of value that appears in the Grantee object:
* </p>
* <ul>
* <li>
* <p>
* <code>Canonical</code>: Either the canonical user ID for an AWS account or an origin access identity for an
* Amazon CloudFront distribution.
* </p>
* <important>
* <p>
* A canonical user ID is not the same as an AWS account number.
* </p>
* </important></li>
* <li>
* <p>
* <code>Email</code>: The registered email address of an AWS account.
* </p>
* </li>
* <li>
* <p>
* <code>Group</code>: One of the following predefined Amazon S3 groups: <code>AllUsers</code>,
* <code>AuthenticatedUsers</code>, or <code>LogDelivery</code>.
* </p>
* </li>
* </ul>
*
* @return The type of value that appears in the Grantee object:</p>
* <ul>
* <li>
* <p>
* <code>Canonical</code>: Either the canonical user ID for an AWS account or an origin access identity for
* an Amazon CloudFront distribution.
* </p>
* <important>

```

```

* <p>
* A canonical user ID is not the same as an AWS account number.
* </p>
* </important></li>
* <li>
* <p>
* <code>Email</code>: The registered email address of an AWS account.
* </p>
* </li>
* <li>
* <p>
* <code>Group</code>: One of the following predefined Amazon S3 groups: <code>AllUsers</code>,
* <code>AuthenticatedUsers</code>, or <code>LogDelivery</code>.
* </p>
* </li>
*/

public String getGranteeType() {
    return this.granteeType;
}

/**
* <p>
* The type of value that appears in the Grantee object:
* </p>
* <ul>
* <li>
* <p>
* <code>Canonical</code>: Either the canonical user ID for an AWS account or an origin access identity for an
* Amazon CloudFront distribution.
* </p>
* <important>
* <p>
* A canonical user ID is not the same as an AWS account number.
* </p>
* </important></li>
* <li>
* <p>
* <code>Email</code>: The registered email address of an AWS account.
* </p>
* </li>
* <li>
* <p>
* <code>Group</code>: One of the following predefined Amazon S3 groups: <code>AllUsers</code>,
* <code>AuthenticatedUsers</code>, or <code>LogDelivery</code>.
* </p>
* </li>
* </ul>

```



```

*
* @param granteeType
*   The type of value that appears in the Grantee object:</p>
*   <ul>
*   <li>
*   <p>
*   <code>Canonical</code>: Either the canonical user ID for an AWS account or an origin access identity for
*   an Amazon CloudFront distribution.
*   </p>
*   <important>
*   <p>
*   A canonical user ID is not the same as an AWS account number.
*   </p>
*   </important></li>
*   <li>
*   <p>
*   <code>Email</code>: The registered email address of an AWS account.
*   </p>
*   </li>
*   <li>
*   <p>
*   <code>Group</code>: One of the following predefined Amazon S3 groups: <code>AllUsers</code>,
*   <code>AuthenticatedUsers</code>, or <code>LogDelivery</code>.
*   </p>
*   </li>
* @return Returns a reference to this object so that method calls can be chained together.
*/

public Permission withGranteeType(String granteeType) {
    setGranteeType(granteeType);
    return this;
}

/**
* <p>
* The AWS user or group that you want to have access to transcoded files and playlists. To identify the user or
* group, you can specify the canonical user ID for an AWS account, an origin access identity for a CloudFront
* distribution, the registered email address of an AWS account, or a predefined Amazon S3 group.
* </p>
*
* @param grantee
*   The AWS user or group that you want to have access to transcoded files and playlists. To identify the user
*   or group, you can specify the canonical user ID for an AWS account, an origin access identity for a
*   CloudFront distribution, the registered email address of an AWS account, or a predefined Amazon S3
group.
*/

public void setGrantee(String grantee) {

```

```

    this.grantee = grantee;
}

/**
 * <p>
 * The AWS user or group that you want to have access to transcoded files and playlists. To identify the user or
 * group, you can specify the canonical user ID for an AWS account, an origin access identity for a CloudFront
 * distribution, the registered email address of an AWS account, or a predefined Amazon S3 group.
 * </p>
 *
 * @return The AWS user or group that you want to have access to transcoded files and playlists. To identify the
 * user or group, you can specify the canonical user ID for an AWS account, an origin access identity for a
 * CloudFront distribution, the registered email address of an AWS account, or a predefined Amazon S3
group.
 */

public String getGrantee() {
    return this.grantee;
}

/**
 * <p>
 * The AWS user or group that you want to have access to transcoded files and playlists. To identify the user or
 * group, you can specify the canonical user ID for an AWS account, an origin access identity for a CloudFront
 * distribution, the registered email address of an AWS account, or a predefined Amazon S3 group.
 * </p>
 *
 * @param grantee
 * The AWS user or group that you want to have access to transcoded files and playlists. To identify the user
 * or group, you can specify the canonical user ID for an AWS account, an origin access identity for a
 * CloudFront distribution, the registered email address of an AWS account, or a predefined Amazon S3
group.
 * @return Returns a reference to this object so that method calls can be chained together.
 */

public Permission withGrantee(String grantee) {
    setGrantee(grantee);
    return this;
}

/**
 * <p>
 * The permission that you want to give to the AWS user that is listed in Grantee. Valid values include:
 * </p>
 * <ul>
 * <li>
 * <p>
 * <code>READ</code>: The grantee can read the thumbnails and metadata for thumbnails that Elastic

```

Transcoder adds

- * to the Amazon S3 bucket.

- * </p>

- *

- *

- * <p>

- * <code>READ_ACP</code>: The grantee can read the object ACL for thumbnails that Elastic Transcoder adds to the

- * Amazon S3 bucket.

- * </p>

- *

- *

- * <p>

- * <code>WRITE_ACP</code>: The grantee can write the ACL for the thumbnails that Elastic Transcoder adds to the

- * Amazon S3 bucket.

- * </p>

- *

- *

- * <p>

- * <code>FULL_CONTROL</code>: The grantee has READ, READ_ACP, and WRITE_ACP permissions for the thumbnails that

- * Elastic Transcoder adds to the Amazon S3 bucket.

- * </p>

- *

- *

- *

- * @return The permission that you want to give to the AWS user that is listed in Grantee. Valid values include:

- * </p>

- *

- *

- * <p>

- * <code>READ</code>: The grantee can read the thumbnails and metadata for thumbnails that Elastic Transcoder adds to the Amazon S3 bucket.

- * </p>

- *

- *

- * <p>

- * <code>READ_ACP</code>: The grantee can read the object ACL for thumbnails that Elastic Transcoder adds to

- * the Amazon S3 bucket.

- * </p>

- *

- *

- * <p>

- * <code>WRITE_ACP</code>: The grantee can write the ACL for the thumbnails that Elastic Transcoder adds to

- * the Amazon S3 bucket.

```

* </p>
* </li>
* <li>
* <p>
* <code>FULL_CONTROL</code>: The grantee has READ, READ_ACP, and WRITE_ACP permissions
for the thumbnails
* that Elastic Transcoder adds to the Amazon S3 bucket.
* </p>
* </li>
*/

public java.util.List<String> getAccess() {
    if (access == null) {
        access = new com.amazonaws.internal.SdkInternalList<String>();
    }
    return access;
}

/**
* <p>
* The permission that you want to give to the AWS user that is listed in Grantee. Valid values include:
* </p>
* <ul>
* <li>
* <p>
* <code>READ</code>: The grantee can read the thumbnails and metadata for thumbnails that Elastic
Transcoder adds
* to the Amazon S3 bucket.
* </p>
* </li>
* <li>
* <p>
* <code>READ_ACP</code>: The grantee can read the object ACL for thumbnails that Elastic Transcoder adds
to the
* Amazon S3 bucket.
* </p>
* </li>
* <li>
* <p>
* <code>WRITE_ACP</code>: The grantee can write the ACL for the thumbnails that Elastic Transcoder adds to
the
* Amazon S3 bucket.
* </p>
* </li>
* <li>
* <p>
* <code>FULL_CONTROL</code>: The grantee has READ, READ_ACP, and WRITE_ACP permissions for
the thumbnails that

```

```

* Elastic Transcoder adds to the Amazon S3 bucket.
* </p>
* </li>
* </ul>
*
* @param access
*     The permission that you want to give to the AWS user that is listed in Grantee. Valid values include: </p>
*     <ul>
*     <li>
*     <p>
*     <code>READ</code>: The grantee can read the thumbnails and metadata for thumbnails that Elastic
Transcoder
*     adds to the Amazon S3 bucket.
*     </p>
*     </li>
*     <li>
*     <p>
*     <code>READ_ACP</code>: The grantee can read the object ACL for thumbnails that Elastic Transcoder
adds to
*     the Amazon S3 bucket.
*     </p>
*     </li>
*     <li>
*     <p>
*     <code>WRITE_ACP</code>: The grantee can write the ACL for the thumbnails that Elastic Transcoder
adds to
*     the Amazon S3 bucket.
*     </p>
*     </li>
*     <li>
*     <p>
*     <code>FULL_CONTROL</code>: The grantee has READ, READ_ACP, and WRITE_ACP permissions
for the thumbnails
*     that Elastic Transcoder adds to the Amazon S3 bucket.
*     </p>
*     </li>
*/

public void setAccess(java.util.Collection<String> access) {
    if (access == null) {
        this.access = null;
        return;
    }

    this.access = new com.amazonaws.internal.SdkInternalList<String>(access);
}

/**

```

* <p>

* The permission that you want to give to the AWS user that is listed in Grantee. Valid values include:

* </p>

- *
- *

* <p>

* <code>READ</code>: The grantee can read the thumbnails and metadata for thumbnails that Elastic Transcoder adds

to the

- * Amazon S3 bucket.

* </p>

- *
- *

* <p>

* <code>READ_ACP</code>: The grantee can read the object ACL for thumbnails that Elastic Transcoder adds

to the

- * Amazon S3 bucket.

* </p>

- *
- *

* <p>

* <code>WRITE_ACP</code>: The grantee can write the ACL for the thumbnails that Elastic Transcoder adds to

the

- * Amazon S3 bucket.

* </p>

- *
- *

* <p>

* <code>FULL_CONTROL</code>: The grantee has READ, READ_ACP, and WRITE_ACP permissions for

the thumbnails that

- * Elastic Transcoder adds to the Amazon S3 bucket.

* </p>

- *

*

* <p>

* NOTE: This method appends the values to the existing list (if any). Use

* { @link #setAccess(java.util.Collection) } or { @link #withAccess(java.util.Collection) } if you want to override

the

- * existing values.

* </p>

*

* @param access

- * The permission that you want to give to the AWS user that is listed in Grantee. Valid values include: </p>
- *
- *

* <p>

- * <code>READ</code>: The grantee can read the thumbnails and metadata for thumbnails that Elastic Transcoder

adds to the Amazon S3 bucket.

```

* </p>
* </li>
* <li>
* <p>
* <code>READ_ACP</code>: The grantee can read the object ACL for thumbnails that Elastic Transcoder
adds to
* the Amazon S3 bucket.
* </p>
* </li>
* <li>
* <p>
* <code>WRITE_ACP</code>: The grantee can write the ACL for the thumbnails that Elastic Transcoder
adds to
* the Amazon S3 bucket.
* </p>
* </li>
* <li>
* <p>
* <code>FULL_CONTROL</code>: The grantee has READ, READ_ACP, and WRITE_ACP permissions
for the thumbnails
* that Elastic Transcoder adds to the Amazon S3 bucket.
* </p>
* </li>
* @return Returns a reference to this object so that method calls can be chained together.
*/

```

```

public Permission withAccess(String... access) {
    if (this.access == null) {
        setAccess(new com.amazonaws.internal.SdkInternalList<String>(access.length));
    }
    for (String ele : access) {
        this.access.add(ele);
    }
    return this;
}

/**
* <p>
* The permission that you want to give to the AWS user that is listed in Grantee. Valid values include:
* </p>
* <ul>
* <li>
* <p>
* <code>READ</code>: The grantee can read the thumbnails and metadata for thumbnails that Elastic
Transcoder adds
* to the Amazon S3 bucket.
* </p>
* </li>

```

- * `READ_ACP`: The grantee can read the object ACL for thumbnails that Elastic Transcoder adds to the
 - * Amazon S3 bucket.
- * `WRITE_ACP`: The grantee can write the ACL for the thumbnails that Elastic Transcoder adds to the
 - * Amazon S3 bucket.
- * `FULL_CONTROL`: The grantee has `READ`, `READ_ACP`, and `WRITE_ACP` permissions for the thumbnails that
 - * Elastic Transcoder adds to the Amazon S3 bucket.

* @param access

- * The permission that you want to give to the AWS user that is listed in Grantee. Valid values include:
 - * `READ`: The grantee can read the thumbnails and metadata for thumbnails that Elastic Transcoder
 - * adds to the Amazon S3 bucket.
 - * `READ_ACP`: The grantee can read the object ACL for thumbnails that Elastic Transcoder
 - * adds to the Amazon S3 bucket.
 - * `WRITE_ACP`: The grantee can write the ACL for the thumbnails that Elastic Transcoder
 - * adds to the Amazon S3 bucket.


```

* <p>
* <code>FULL_CONTROL</code>: The grantee has READ, READ_ACP, and WRITE_ACP permissions
for the thumbnails
* that Elastic Transcoder adds to the Amazon S3 bucket.
* </p>
* </li>
* @return Returns a reference to this object so that method calls can be chained together.
*/

```

```

public Permission withAccess(java.util.Collection<String> access) {
    setAccess(access);
    return this;
}

```

```

/**
 * Returns a string representation of this object; useful for testing and debugging.
 *
 * @return A string representation of this object.
 *
 * @see java.lang.Object#toString()
 */

```

@Override

```

public String toString() {
    StringBuilder sb = new StringBuilder();
    sb.append("{}");
    if (getGranteeType() != null)
        sb.append("GranteeType: ").append(getGranteeType()).append(",");
    if (getGrantee() != null)
        sb.append("Grantee: ").append(getGrantee()).append(",");
    if (getAccess() != null)
        sb.append("Access: ").append(getAccess());
    sb.append("}");
    return sb.toString();
}

```

@Override

```

public boolean equals(Object obj) {
    if (this == obj)
        return true;
    if (obj == null)
        return false;

    if (obj instanceof Permission == false)
        return false;
    Permission other = (Permission) obj;
    if (other.getGranteeType() == null ^ this.getGranteeType() == null)
        return false;
    if (other.getGranteeType() != null && other.getGranteeType().equals(this.getGranteeType()) == false)

```

```

        return false;
    if (other.getGrantee() == null ^ this.getGrantee() == null)
        return false;
    if (other.getGrantee() != null && other.getGrantee().equals(this.getGrantee()) == false)
        return false;
    if (other.getAccess() == null ^ this.getAccess() == null)
        return false;
    if (other.getAccess() != null && other.getAccess().equals(this.getAccess()) == false)
        return false;
    return true;
}

@Override
public int hashCode() {
    final int prime = 31;
    int hashCode = 1;

    hashCode = prime * hashCode + ((getGranteeType() == null) ? 0 : getGranteeType().hashCode());
    hashCode = prime * hashCode + ((getGrantee() == null) ? 0 : getGrantee().hashCode());
    hashCode = prime * hashCode + ((getAccess() == null) ? 0 : getAccess().hashCode());
    return hashCode;
}

@Override
public Permission clone() {
    try {
        return (Permission) super.clone();
    } catch (CloneNotSupportedException e) {
        throw new IllegalStateException("Got a CloneNotSupportedException from Object.clone() " + "even though
we're Cloneable!", e);
    }
}

@com.amazonaws.annotation.SdkInternalApi
@Override
public void marshall(ProtocolMarshaller protocolMarshaller) {
    com.amazonaws.services.elastictranscoder.model.transform.PermissionMarshaller.getInstance().marshall(this,
protocolMarshaller);
}
}

```

1.39 azure 1.2.1

1.40 Azure Java SDK 1.2.1

1.40.1 Available under license :

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1.41 azure-annotations 1.2.0

1.42 azure-client-authentication 1.1.0

1.43 azure-client-runtime 1.1.0

1.44 azure-keyvault-core 0.8.0

1.45 azure-storage 5.2.0

1.46 azure-storage-4.0.0 4.0.0

1.47 babel-polyfill 6.22.0

1.48 backbone 1.1.2

1.48.1 Available under license :

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1.49 backbone.paginator 2.0.0

1.49.1 Available under license :

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1.50 backbone.paginator 2.0.0

1.51 Backgrid 0.3.5

1.51.1 Available under license :

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/*

Ext JS 4.1 - JavaScript Library

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--

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Version 3, 29 June 2007

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1.52 backgrid-filter 0.3.7

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Version 3, 29 June 2007

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1.54 backgrid-select-al 0.3.5

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1.57 batik-ext 1.8

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  "http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
<html xmlns="http://www.w3.org/1999/xhtml">
<head>
  <title>bouncycastle.org</title>
  <meta http-equiv="Content-type" content="text/html; charset=iso-8859-1" />
  <meta http-equiv="Content-Language" content="en-aus" />
  <meta name="description" content="Home of the Legion of the Bouncy Castle and their Java cryptography
resources and open source code" />
  <meta name="keywords" content="Legion of the Bouncy Castle, Cryptography, JCE, Java Cryptography Extension,
Cryptography Source Code, ASN.1, X.509, Open Source" />
  <link rel="shortcut icon" href="favicon.ico" type="image/x-icon" />
  <link rel="stylesheet" type="text/css" href="bouncycastle.css" />
</head>
<body>

<div id="header">
  <div id="title">
    <h1>The Legion of the Bouncy Castle</h1>
  </div>
</div>

<div id="container">

<div id="content">

<div id="navigation">
  <ul>
    <li><a href="index.html" class="nav">entry</a></li>
      <li><a href="wiki" class="nav">wiki</a></li>
      <li><a href="jira" class="nav">issue tracker</a></li>
    <li><a href="https://www.bouncycastle.org/donate/index.cgi" class="nav">donate</a></li>
    <li><a href="mailing_lists.html" class="nav">mailing lists</a></li>
    <li><a href="latest_releases.html" class="nav">latest releases</a></li>
    <li><a href="documentation.html" class="nav">documentation</a></li>
    <li><a href="resources.html" class="nav">resources</a></li>
    <li><a href="mirrors.html" class="nav">mirroring</a></li>
    <li><div style="color:#0000FF;font-weight:bold;">legal and licencing</div></li>
```

```
<li><a href="contributors.html" class="nav">contributors</a></li>
<li><a href="csharp" class="nav">c#</a></li>
</ul>
<div class="clearing">&nbsp;</div>
</div>
```

```
<div id="body">
```

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href="http://opensource.org/licenses/MIT">MIT license</a>.</p>
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href="https://www.bouncycastle.org/donate">donations</a> and the sale of <a
href="https://www.cryptoworkshop.com/support_faq.html">support contracts</a>.</p>
```

```
<h2 class="spot">License</h2>
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```

```
</div>
```

```
<div class="clearing">&nbsp;</div>
```

```
</div>
```

```
</div>
```

```
<div class="clearing">&nbsp;</div>
```

```
<div id="footer">
```

```
<ul>
```

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</ul>
```

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</div>
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```
</body>
```

</html>

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/**

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*

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- * OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE OR OTHER
- * DEALINGS IN THE SOFTWARE.
- */

```
public class LICENSE
```

```
{
    public static String licenseText =
        "Copyright (c) 2000-2014 The Legion of the Bouncy Castle Inc. (http://www.bouncycastle.org) "
        + System.getProperty("line.separator")
        + System.getProperty("line.separator")
        + "Permission is hereby granted, free of charge, to any person obtaining a copy of this software "
        + System.getProperty("line.separator")
        + "and associated documentation files (the \"Software\"), to deal in the Software without restriction, "
        + System.getProperty("line.separator")
        + "including without limitation the rights to use, copy, modify, merge, publish, distribute, sublicense, "
        + System.getProperty("line.separator")
        + "and/or sell copies of the Software, and to permit persons to whom the Software is furnished to do so,"
        + System.getProperty("line.separator")
        + "subject to the following conditions:"
        + System.getProperty("line.separator")
        + System.getProperty("line.separator")
        + "The above copyright notice and this permission notice shall be included in all copies or substantial"
        + System.getProperty("line.separator")
        + "portions of the Software."
        + System.getProperty("line.separator")
        + System.getProperty("line.separator")
        + "THE SOFTWARE IS PROVIDED \"AS IS\", WITHOUT WARRANTY OF ANY KIND, EXPRESS OR IMPLIED,"
        + System.getProperty("line.separator")
        + "INCLUDING BUT NOT LIMITED TO THE WARRANTIES OF MERCHANTABILITY, FITNESS FOR A PARTICULAR"
        + System.getProperty("line.separator")
        + "PURPOSE AND NONINFRINGEMENT. IN NO EVENT SHALL THE AUTHORS OR COPYRIGHT HOLDERS BE"
```

```

+ System.getProperty("line.separator")
+ "LIABLE FOR ANY CLAIM, DAMAGES OR OTHER LIABILITY, WHETHER IN AN ACTION OF
CONTRACT, TORT OR"
+ System.getProperty("line.separator")
+ "OTHERWISE, ARISING FROM, OUT OF OR IN CONNECTION WITH THE SOFTWARE OR THE USE
OR OTHER"
+ System.getProperty("line.separator")
+ "DEALINGS IN THE SOFTWARE.";

```

```

public static void main(
    String[] args)
{
    System.out.println(licenseText);
}
}
<html>
<body bgcolor=#ffffff>

```

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</body>

</html>

1.70 bridge-method-annotation 1.13

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1.71 brkt-sdk-java-1.0 1.0

1.72 bson 3.4.2

1.73 bzip2 0.9.1

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1.74 c3p0 0.9.5.2

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1.78 cdm 4.5.5

1.79 cglib-asm-1.0 1.0

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<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>
</div>
</div>
</nav>
</header>
<!-- / Navigation -->
<div class="container">
    <div class="row">
        <div class="col-md-6 col-sm-5 col-xs-12">
            
        </div>
        <div class="col-md-3 col-sm-3 col-xs-6">
            <a href="http://apache.org/foundation/contributing.html" title="Support Apache">
                
            </a>
        </div>
        <div class="col-md-3 col-sm-4 col-xs-6">
            <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>
```

1.86 client-runtime 1.1.0

1.87 codegen-0.6.8 0.6.8

1.88 coffee-rails 4.2.2

1.88.1 Available under license :

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src/test/org/apache/commons/codec/language/DoubleMetaphoneTest.java contains
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1.97 commons-beanutils 1.9.3

1.97.1 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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permissions and limitations under the License. -->

```

```
</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>
</div>
</div>
</nav>

```

```

</header>
<!-- / Navigation -->
<div class="container">
  <div class="row">
    <div class="col-md-6 col-sm-5 col-xs-12">
      
    </div>
    <div class="col-md-3 col-sm-3 col-xs-6">
      <a href="http://apache.org/foundation/contributing.html" title="Support Apache">
        
      </a>
    </div>
    <div class="col-md-3 col-sm-4 col-xs-6">
      <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">

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

</div>

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

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

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

Overview

Conferences

```
<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 &#169; 2017 The Apache Software Foundation, Licensed under the <a
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  <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>

```

1.98 commons-codec 1.4 :DUPLICATE

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Version 2.0, January 2004

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```

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src/test/org/apache/commons/codec/language/DoubleMetaphoneTest.java contains
test data from <http://aspell.sourceforge.net/test/batch0.tab>.

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1.99 commons-codec 1.10

1.99.1 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-6 col-sm-5 col-xs-12">
            
        </div>
        <div class="col-md-3 col-sm-3 col-xs-6">
            <a href="http://apache.org/foundation/contributing.html" title="Support Apache">
                
            </a>
        </div>
        <div class="col-md-3 col-sm-4 col-xs-6">
            <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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```
<!-- 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 &#169; 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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1.118 cxf-core 3.0.12

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*/
```

```
package org.apache.cxf.io;
```

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

```
/**
```

```
* Marker interface for OutputStreams that can directly support
* copying from an input stream. OutputStreams that maintain their
* own byte buffer or similar may be able to optimize the copy
* instead of using the read/write into a temporary buffer that
* the normal IOUtils.copy method requires.
```

```
*/
```

```
public interface CopyingOutputStream {
```

```
    int copyFrom(InputStream in) throws IOException;
```

```
}
```

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The primary ANTLR guy:

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/**

* <http://asm.objectweb.org/>

*

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1.132 element-dataset 1.3.0

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1.133 error_prone_annotations 2.1.3

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1.134 esapi 2.1.0.1

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1.138 flyway-core 4.0

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1.139 fontbox-1.8.9 1.89

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1.140 gax 1.27.0

1.141 gax-grpc 1.27.0

1.142 generex 1.0.1

1.143 geoapi 3.0.0

1.144 geronimo-jta-spec 1.1 :1.1

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1.145 geronimo-stax-api 1.0.1 :1.0

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1.146 google-api-client 1.22.0

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1.147 google-api-services-cloudresourcemanager v1-rev435-1.22.0

1.148 google-api-services-compute v1-rev147-1.22.0

1.148.1 Available under license :

l ` 7abcd
+ef
gh ij kl
mno p
qr
gs
tuv
mwxyz
+{
+|
+}~
+
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+
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+
+
+

```
REST_PATHLjava/lang/String;  
ConstantValuePROJECT_PATTERNLjava/util/regex/Pattern;LICENSE_PATTERNprojectRuntimeVisibleAnnotations  
Lcom/google/api/client/util/Key;licensethis$1LicensesInnerClasses2Lcom/google/api/services/compute/Compute$Licenses;<init>Y(Lcom/google/api/services/compute/Compute$Licenses;Ljava/lang/String;Ljava/lang/String;)VCode  
LineNumberTableexecuteUsingHead+(Lcom/google/api/client/http/HttpResponse;  
ExceptionsbuildHttpRequestUsingHead*(Lcom/google/api/client/http/HttpRequest;setAltGetJ(Ljava/lang/String;)L  
com/google/api/services/compute/Compute$Licenses$Get; setFieldssetKey  
setOAuthTokensetPrettyPrintK(Ljava/lang/Boolean;)Lcom/google/api/services/compute/Compute$Licenses$Get;set  
QuotaUser setUserIp  
getProject(Ljava/lang/String;  
setProject  
getLicense  
setLicenseset(Ljava/lang/String;Ljava/lang/Object;)Lcom/google/api/services/compute/Compute$Licenses$Get;V(L  
Ljava/lang/String;Ljava/lang/Object;)Lcom/google/api/services/compute/ComputeRequest;D(Ljava/lang/String;)Lc
```



```
om/google/api/services/compute/ComputeRequest;E(Ljava/lang/Boolean;)Lcom/google/api/services/compute/ComputeRequest;v(Ljava/lang/String;Ljava/lang/Object;)Lcom/google/api/client/googleapis/services/json/AbstractGoogleJsonClientRequest;m(Ljava/lang/String;Ljava/lang/Object;)Lcom/google/api/client/googleapis/services/AbstractGoogleClientRequest;N(Ljava/lang/String;Ljava/lang/Object;)Lcom/google/api/client/util/GenericData;SignatureaLcom/google/api/services/compute/ComputeRequest<Lcom/google/api/services/compute/model/License;>;
```

```
SourceFileCompute.java6:GET#{project}/global/licenses/{license}-
```

```
com/google/api/services/compute/model/License;y(?:[:[-a-z0-9]{1,63}\.])*(?:[:[-a-z0-9]{0,61}[a-z0-9])?)?)?[:[-a-z0-9]{1,19}]|[:[-a-z0-9]{0,61}[a-z0-9])?)![:[-a-z0-9]{0,61}[a-z0-9])?10-Required parameter project must be specified.java/lang/String2-Parameter project must conform to the pattern (?:[:[-a-z0-9]{1,63}\.])*(?:[:[-a-z0-9]{0,61}[a-z0-9])?)?)?[:[-a-z0-9]{1,19}]|[:[-a-z0-9]{0,61}[a-z0-9])?)?-Required parameter license must be specified.5-OParameter license must conform to the pattern [a-z](:[:[-a-z0-9]{0,61}[a-z0-9])?)?@CDEW4com/google/api/services/compute/Compute$Licenses$GetHWIWIJWKXMWNWTVTUNGMGKLGIGHGEG.com/google/api/services/compute/ComputeRequest0com/google/api/services/compute/Compute$Licensesjava/io/IOExceptionthis$0)Lcom/google/api/services/compute/Compute;s(Lcom/google/api/services/compute/Compute;Ljava/lang/String;Ljava/lang/String;Ljava/lang/Object;Ljava/lang/Class;)Vjava/util/regex/Patterncompile(Ljava/lang/String;)Ljava/util/regex/Pattern;(com/google/api/client/util/Preconditions.checkNotNull8(Ljava/lang/Object;Ljava/lang/Object;)Ljava/lang/Object;'com/google/api/services/compute/Compute$getSuppressPatternChecks()Zmatcher3(Ljava/lang/CharSequence;)Ljava/util/regex/Matcher;java/util/regex/MatchermatchescheckArgument(ZLjava/lang/Object;)V!+,-./0102-345-346;;<=v*+*+* *
```

```
*,  
+* ,*-  
+*->.bbbb'b4b>bNb[behub?@=*>bABCD=*>bABEG=! *+>bHG=! *+>bIG=! *+>bJG=! *+>bKL=! *+>bMG=! *+>bNG=! *+!>bOP=*>bQG=H$** *+*+>b  
bb"bRP=*>bSG=H$**+*+*>c  
cc "c  
TU="  
*+,">cATV=*+,#>bANW=*+>bAMW=*+%>bAKX=*+&>bAJW=*+'>bAIW=*+(>bAHW=*+)>bAEW=*+*+>b  
ATY=*+,#>bATZ=*+,#>bAT[=*+,#>b\]^_97q87F  
1%
```

```
LicensesInnerClassesGetthis$0)Lcom/google/api/services/compute/Compute;<init>,(Lcom/google/api/services/compute/Compute;)VCodeLineNumberTableget(Ljava/lang/String;Ljava/lang/String;)Lcom/google/api/services/compute/Compute$Licenses$Get;
```

```
Exceptions
```

```
SourceFileCompute.java
```

```
4com/google/api/services/compute/Compute$Licenses$Get
```

```
!#$0com/google/api/services/compute/Compute$Licensesjava/lang/Objectjava/io/IOException()VY(Lcom/google/api/services/compute/Compute$Licenses;Ljava/lang/String;Ljava/lang/String;)V'com/google/api/services/compute/Compute
```

```
initializeJ(Lcom/google/api/client/googleapis/services/AbstractGoogleClientRequest;)V!
```

```
&
```

```
*+*
```

```
bx b5Y*+,N*--bbb
```

```
1=
```

```
1 2 3 4 5
```

```
67
```

```

8
9
::
chargesUseFeeLjava/lang/Boolean;RuntimeVisibleAnnotations
Lcom/google/api/client/util/Key;kindLjava/lang/String;nameselfLink<init>()VCodeLineNumberTablegetChargesUs
eFee()Ljava/lang/Boolean;setChargesUseFeeD(Ljava/lang/Boolean;)Lcom/google/api/services/compute/model/Lice
nse;getKind()Ljava/lang/String;setKindC(Ljava/lang/String;)Lcom/google/api/services/compute/model/License;get
NamesetNamegetSelfLinksetSelfLinksetU(Ljava/lang/String;Ljava/lang/Object;)Lcom/google/api/services/compute
/model/License;clone1()Lcom/google/api/services/compute/model/License;N(Ljava/lang/String;Ljava/lang/Object;)
Lcom/google/api/client/json/GenericJson;*(*)Lcom/google/api/client/json/GenericJson;*(*)Lcom/google/api/client/uti
l/GenericData;N(Ljava/lang/String;Ljava/lang/Object;)Lcom/google/api/client/util/GenericData;()Ljava/lang/Object;
Exceptions<
SourceFileLicense.java
$(-
com/google/api/services/compute/model/License&)%&'&com/google/api/client/json/GenericJson$java/lang/Clone
NotSupportedException1
**G#*+*
PQ*Y#*+*
ab*j!#*+*
rs"*{##*+*
$%"
*+,&'*A$(*+, !A&)*
!A&**
!A$+*+, !A&,*
!-/0

```

1.149 google-api-services-drive-v2-rev113-1.17.0-rc 1.17.0-rc

1.150 google-api-services-drive-v2-rev253 1.20.0

1.150.1 Available under license :

```

/*
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 * in compliance with the License. You may obtain a copy of the License at
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```

```
* 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.
*/
/*
* This code was generated by https://code.google.com/p/google-apis-client-generator/
* (build: 1969-12-31 23:59:59 UTC)
* on 2017-02-09 at 23:55:25 UTC
* Modify at your own risk.
*/
```

```
package com.google.api.services.drive.model;
```

```
/**
 * A permission for a file.
 *
 * <p> This is the Java data model class that specifies how to parse/serialize into the JSON that is
 * transmitted over HTTP when working with the Drive API. For a detailed explanation see:
 * <a href="http://code.google.com/p/google-http-java-client/wiki/JSON">http://code.google.com/p/google-http-
 * java-client/wiki/JSON</a>
 * </p>
 *
 * @author Google, Inc.
 */
```

```
@SuppressWarnings("javadoc")
public final class Permission extends com.google.api.client.json.GenericJson {
```

```
/**
 * Additional roles for this user. Only commenter is currently allowed.
 * The value may be {@code null}.
 */
```

```
@com.google.api.client.util.Key
private java.util.List<java.lang.String> additionalRoles;
```

```
/**
 * The authkey parameter required for this permission.
 * The value may be {@code null}.
 */
```

```
@com.google.api.client.util.Key
private java.lang.String authKey;
```

```
/**
 * The domain name of the entity this permission refers to. This is an output-only field which is
 * present when the permission type is user, group or domain.
 * The value may be {@code null}.
 */
```

```
@com.google.api.client.util.Key
```

```

private java.lang.String domain;

/**
 * The email address of the user or group this permission refers to. This is an output-only field
 * which is present when the permission type is user or group.
 * The value may be {@code null}.
 */
@com.google.api.client.util.Key
private java.lang.String emailAddress;

/**
 * The ETag of the permission.
 * The value may be {@code null}.
 */
@com.google.api.client.util.Key
private java.lang.String etag;

/**
 * The time at which this permission will expire (RFC 3339 date-time).
 * The value may be {@code null}.
 */
@com.google.api.client.util.Key
private com.google.api.client.util.DateTime expirationDate;

/**
 * The ID of the user this permission refers to, and identical to the permissionId in the About
 * and Files resources. When making a drive.permissions.insert request, exactly one of the id or
 * value fields must be specified unless the permission type is anyone, in which case both id and
 * value are ignored.
 * The value may be {@code null}.
 */
@com.google.api.client.util.Key
private java.lang.String id;

/**
 * This is always drive#permission.
 * The value may be {@code null}.
 */
@com.google.api.client.util.Key
private java.lang.String kind;

/**
 * The name for this permission.
 * The value may be {@code null}.
 */
@com.google.api.client.util.Key
private java.lang.String name;

```

```

/**
 * A link to the profile photo, if available.
 * The value may be {@code null}.
 */
@com.google.api.client.util.Key
private java.lang.String photoLink;

/**
 * The primary role for this user. Allowed values are: - owner - reader - writer
 * The value may be {@code null}.
 */
@com.google.api.client.util.Key
private java.lang.String role;

/**
 * A link back to this permission.
 * The value may be {@code null}.
 */
@com.google.api.client.util.Key
private java.lang.String selfLink;

/**
 * The account type. Allowed values are: - user - group - domain - anyone
 * The value may be {@code null}.
 */
@com.google.api.client.util.Key
private java.lang.String type;

/**
 * The email address or domain name for the entity. This is used during inserts and is not
 * populated in responses. When making a drive.permissions.insert request, exactly one of the id
 * or value fields must be specified unless the permission type is anyone, in which case both id
 * and value are ignored.
 * The value may be {@code null}.
 */
@com.google.api.client.util.Key
private java.lang.String value;

/**
 * Whether the link is required for this permission.
 * The value may be {@code null}.
 */
@com.google.api.client.util.Key
private java.lang.Boolean withLink;

/**
 * Additional roles for this user. Only commenter is currently allowed.
 * @return value or {@code null} for none

```

```

*/
public java.util.List<java.lang.String> getAdditionalRoles() {
    return additionalRoles;
}

/**
 * Additional roles for this user. Only commenter is currently allowed.
 * @param additionalRoles additionalRoles or { @code null } for none
 */
public Permission setAdditionalRoles(java.util.List<java.lang.String> additionalRoles) {
    this.additionalRoles = additionalRoles;
    return this;
}

/**
 * The authkey parameter required for this permission.
 * @return value or { @code null } for none
 */
public java.lang.String getAuthKey() {
    return authKey;
}

/**
 * The authkey parameter required for this permission.
 * @param authKey authKey or { @code null } for none
 */
public Permission setAuthKey(java.lang.String authKey) {
    this.authKey = authKey;
    return this;
}

/**
 * The domain name of the entity this permission refers to. This is an output-only field which is
 * present when the permission type is user, group or domain.
 * @return value or { @code null } for none
 */
public java.lang.String getDomain() {
    return domain;
}

/**
 * The domain name of the entity this permission refers to. This is an output-only field which is
 * present when the permission type is user, group or domain.
 * @param domain domain or { @code null } for none
 */
public Permission setDomain(java.lang.String domain) {
    this.domain = domain;
    return this;
}

```

```

}

/**
 * The email address of the user or group this permission refers to. This is an output-only field
 * which is present when the permission type is user or group.
 * @return value or { @code null } for none
 */
public java.lang.String getEmailAddress() {
    return emailAddress;
}

/**
 * The email address of the user or group this permission refers to. This is an output-only field
 * which is present when the permission type is user or group.
 * @param emailAddress emailAddress or { @code null } for none
 */
public Permission setEmailAddress(java.lang.String emailAddress) {
    this.emailAddress = emailAddress;
    return this;
}

/**
 * The ETag of the permission.
 * @return value or { @code null } for none
 */
public java.lang.String getEtag() {
    return etag;
}

/**
 * The ETag of the permission.
 * @param etag etag or { @code null } for none
 */
public Permission setEtag(java.lang.String etag) {
    this.etag = etag;
    return this;
}

/**
 * The time at which this permission will expire (RFC 3339 date-time).
 * @return value or { @code null } for none
 */
public com.google.api.client.util.DateTime getExpirationDate() {
    return expirationDate;
}

/**
 * The time at which this permission will expire (RFC 3339 date-time).

```

```

* @param expirationDate expirationDate or { @code null } for none
*/
public Permission setExpirationDate(com.google.api.client.util.DateTime expirationDate) {
    this.expirationDate = expirationDate;
    return this;
}

/**
 * The ID of the user this permission refers to, and identical to the permissionId in the About
 * and Files resources. When making a drive.permissions.insert request, exactly one of the id or
 * value fields must be specified unless the permission type is anyone, in which case both id and
 * value are ignored.
 * @return value or { @code null } for none
 */
public java.lang.String getId() {
    return id;
}

/**
 * The ID of the user this permission refers to, and identical to the permissionId in the About
 * and Files resources. When making a drive.permissions.insert request, exactly one of the id or
 * value fields must be specified unless the permission type is anyone, in which case both id and
 * value are ignored.
 * @param id id or { @code null } for none
 */
public Permission setId(java.lang.String id) {
    this.id = id;
    return this;
}

/**
 * This is always drive#permission.
 * @return value or { @code null } for none
 */
public java.lang.String getKind() {
    return kind;
}

/**
 * This is always drive#permission.
 * @param kind kind or { @code null } for none
 */
public Permission setKind(java.lang.String kind) {
    this.kind = kind;
    return this;
}

/**

```



```

* The name for this permission.
* @return value or { @code null } for none
*/
public java.lang.String getName() {
    return name;
}

/**
* The name for this permission.
* @param name name or { @code null } for none
*/
public Permission setName(java.lang.String name) {
    this.name = name;
    return this;
}

/**
* A link to the profile photo, if available.
* @return value or { @code null } for none
*/
public java.lang.String getPhotoLink() {
    return photoLink;
}

/**
* A link to the profile photo, if available.
* @param photoLink photoLink or { @code null } for none
*/
public Permission setPhotoLink(java.lang.String photoLink) {
    this.photoLink = photoLink;
    return this;
}

/**
* The primary role for this user. Allowed values are: - owner - reader - writer
* @return value or { @code null } for none
*/
public java.lang.String getRole() {
    return role;
}

/**
* The primary role for this user. Allowed values are: - owner - reader - writer
* @param role role or { @code null } for none
*/
public Permission setRole(java.lang.String role) {
    this.role = role;
    return this;
}

```

```

}

/**
 * A link back to this permission.
 * @return value or { @code null} for none
 */
public java.lang.String getSelfLink() {
    return selfLink;
}

/**
 * A link back to this permission.
 * @param selfLink selfLink or { @code null} for none
 */
public Permission setSelfLink(java.lang.String selfLink) {
    this.selfLink = selfLink;
    return this;
}

/**
 * The account type. Allowed values are: - user - group - domain - anyone
 * @return value or { @code null} for none
 */
public java.lang.String getType() {
    return type;
}

/**
 * The account type. Allowed values are: - user - group - domain - anyone
 * @param type type or { @code null} for none
 */
public Permission setType(java.lang.String type) {
    this.type = type;
    return this;
}

/**
 * The email address or domain name for the entity. This is used during inserts and is not
 * populated in responses. When making a drive.permissions.insert request, exactly one of the id
 * or value fields must be specified unless the permission type is anyone, in which case both id
 * and value are ignored.
 * @return value or { @code null} for none
 */
public java.lang.String getValue() {
    return value;
}

/**

```

```

* The email address or domain name for the entity. This is used during inserts and is not
* populated in responses. When making a drive.permissions.insert request, exactly one of the id
* or value fields must be specified unless the permission type is anyone, in which case both id
* and value are ignored.
* @param value value or { @code null } for none
*/
public Permission setValue(java.lang.String value) {
    this.value = value;
    return this;
}

/**
* Whether the link is required for this permission.
* @return value or { @code null } for none
*/
public java.lang.Boolean getWithLink() {
    return withLink;
}

/**
* Whether the link is required for this permission.
* @param withLink withLink or { @code null } for none
*/
public Permission setWithLink(java.lang.Boolean withLink) {
    this.withLink = withLink;
    return this;
}

@Override
public Permission set(String fieldName, Object value) {
    return (Permission) super.set(fieldName, value);
}

@Override
public Permission clone() {
    return (Permission) super.clone();
}
}

```

1.151 google-api-services-storage v1-rev125-1.22.0

1.152 google-auth-library-credentials 0.9.1

1.153 google-auth-library-oauth2-http 0.9.1

1.154 google-cloud-core 1.32.0

1.155 google-cloud-core-grpc 1.32.0

1.156 Google-Guice 3.0

1.156.1 Available under license :

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Version 2.0, January 2004

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<body>API specification for Smack, an Open Source XMPP client library.

<p>

The { @link org.jivesoftware.smack.XMPPConnection } class is the main entry point for the API.

</body>

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1.184 haml 5.0.1

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1.186 hazelcast 3.7.5

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1.187 hazelcast-all-3.5.4 3.5.4

1.188 hazelcast-client 3.7.8

1.189 hazelcast-spring 3.7.8

1.190 HdrHistogram 2.1.9

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}
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1.191 Hibernate JPA API 2.1

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1.192 hibernate-c3p0-5.0.5.Final 5.0.5

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1.200 hibernate-validator 5.3.6

1.201 HikariCP 2.5.1

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  <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;&lt;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>
          </ul>
        </li>
      </ul>
    </div>
  </div>
</nav>

```

```

    <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>
</div>
</div>
</nav>
</header>
<!-- / Navigation -->
<div class="container">
  <div class="row">
    <div class="col-md-6 col-sm-5 col-xs-12">
      
    </div>
    <div class="col-md-3 col-sm-3 col-xs-6">
      <a href="http://apache.org/foundation/contributing.html" title="Support Apache">
        
      </a>
    </div>
    <div class="col-md-3 col-sm-4 col-xs-6">
      <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 &#169; 2017 The Apache Software Foundation, Licensed under the <a
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  <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>
```

1.215 httpmime 4.5.3

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1.220 hystrix-serialization 1.5.12

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1.221 immutable 3.8.1

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1.222 ion-java 1.0.2

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1.223 isoparser 1.1.18

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*/

package com.coremedia.iso.boxes;

import com.coremedia.iso.IsoTypeReader;

import com.coremedia.iso.IsoTypeWriter;

import com.coremedia.iso.Utf8;

import com.googlecode.mp4parser.AbstractFullBox;

import java.nio.ByteBuffer;

/**

* <h1>4cc = "{ @value #TYPE}"</h1>

* The copyright box contains a copyright declaration which applies to the entire presentation, when contained

* within the MovieBox, or, when contained in a track, to that entire track. There may be multiple boxes using

* different language codes.

*

* @see MovieBox

* @see TrackBox

*/

public class CopyrightBox extends AbstractFullBox {

public static final String TYPE = "cprt";

private String language;

private String copyright;

public CopyrightBox() {

super(TYPE);

}

```

public String getLanguage() {
    return language;
}

public String getCopyright() {
    return copyright;
}

public void setLanguage(String language) {
    this.language = language;
}

public void setCopyright(String copyright) {
    this.copyright = copyright;
}

protected long getContentSize() {
    return 7 + Utf8.utf8StringLengthInBytes(copyright);
}

@Override
public void _parseDetails(ByteBuffer content) {
    parseVersionAndFlags(content);
    language = IsoTypeReader.readIso639(content);
    copyright = IsoTypeReader.readString(content);
}

@Override
protected void getContent(ByteBuffer byteBuffer) {
    writeVersionAndFlags(byteBuffer);
    IsoTypeWriter.writeIso639(byteBuffer, language);
    byteBuffer.put(Utf8.convert(copyright));
    byteBuffer.put((byte) 0);
}

public String toString() {
    return "CopyrightBox[language=" + getLanguage() + ";copyright=" + getCopyright() + "];"
}

}

```

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1.224 isoparser-1.0-RC-1 1.0-RC-1

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1.225 j2objc-annotations 1.1

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* file name: UBiDiProps.java

* encoding: US-ASCII

* tab size: 8 (not used)

* indentation:4

*

* created on: 2005jan16

* created by: Markus W. Scherer

*

* Low-level Unicode bidi/shaping properties access.

* Java port of ubidi_props.h/c.

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`Replaceable` is an interface representing a string of characters that supports the replacement of a range of itself with a new string of characters. It is used by APIs that change a piece of text while retaining metadata. Metadata is data other than the Unicode characters returned by `char32At()`. One example of metadata is style attributes; another is an edit history, marking each character with an author and revision number.

An implicit aspect of the `Replaceable` API is that during a replace operation, new characters take on the metadata of the old characters. For example, if the string "the **bold** font" has range (4, 8) replaced with "strong", then it becomes "the **strong** font".

`Replaceable` specifies ranges using a start offset and a limit offset. The range of characters thus specified includes the characters at offset `start..limit-1`. That is, the start offset is inclusive, and the limit offset is exclusive.

`Replaceable` also includes API to access characters in the string: `length()`, `charAt()`, `char32At()`, and `extractBetween()`.

For a subclass to support metadata, typical behavior of `replace()` is the following:

- Set the metadata of the new text to the metadata of the first character replaced
- If no characters are replaced, use the metadata of the previous character
- If there is no previous character (i.e. `start == 0`), use the following character
- If there is no following character (i.e. the replaceable was empty), use default metadata
- If the code point U+FFFF is seen, it should be interpreted as a special marker having no metadata

If this is not the behavior, the subclass should document any differences.

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@author Alan Liu

@stable ICU 2.0

<code>ReplaceableString</code> is an adapter class that implements the
<code>Replaceable</code> API around an ordinary <code>StringBuffer</code>.

<p>Note: This class does not support attributes and is not
intended for general use. Most clients will need to implement
{ @link Replaceable } in their text representation class.

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@see Replaceable

@author Alan Liu

@stable ICU 2.0

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*/

```
package java.security;
```

```
import java.io.Serializable;
```

```
/**
```

```
 * Legacy security code; do not use.
```

```
 */
```

```
public abstract class Permission implements Guard, Serializable {  
    public Permission(String name) { }
```

```
    public final String getName() { return null; }
```

```
public void checkGuard(Object obj) throws SecurityException { }

public PermissionCollection newPermissionCollection() {
    return new AllPermissionCollection();
}

public abstract String getActions();

public abstract boolean implies(Permission permission);
}
```

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From strings/apr_fnmatch.c, include/apr_fnmatch.h, misc/unix/getopt.c, file_io/unix/mktemp.c, strings/apr_strings.c:

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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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From strings/apr_snprintf.c:

```
*  
* cvt - IEEE floating point formatting routines.  
*   Derived from UNIX V7, Copyright(C) Caldera International Inc.  
*
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*/
package org.apache.jackrabbit.core.security.authorization;

/**
 * <code>Permission</code>...
 */
public final class Permission {

    public static final int NONE = 0;

    public static final int READ = 1;

    public static final int SET_PROPERTY = READ << 1;

    public static final int ADD_NODE = SET_PROPERTY << 1;

    public static final int REMOVE_NODE = ADD_NODE << 1;

    public static final int REMOVE_PROPERTY = REMOVE_NODE << 1;

    public static final int READ_AC = REMOVE_PROPERTY << 1;

    public static final int MODIFY_AC = READ_AC << 1;

    public static final int NODE_TYPE_MNGMT = MODIFY_AC << 1;

    public static final int VERSION_MNGMT = NODE_TYPE_MNGMT << 1;

    public static final int LOCK_MNGMT = VERSION_MNGMT << 1;

    public static final int LIFECYCLE_MNGMT = LOCK_MNGMT << 1;

    public static final int RETENTION_MNGMT = LIFECYCLE_MNGMT << 1;

    public static final int MODIFY_CHILD_NODE_COLLECTION = RETENTION_MNGMT << 1;

    public static final int NODE_TYPE_DEF_MNGMT = MODIFY_CHILD_NODE_COLLECTION << 1;

    public static final int NAMESPACE_MNGMT = NODE_TYPE_DEF_MNGMT << 1;

    public static final int WORKSPACE_MNGMT = NAMESPACE_MNGMT << 1;

```

```

public static final int PRIVILEGE_MNGMT = WORKSPACE_MNGMT << 1;

public static final int ALL = (READ | SET_PROPERTY | ADD_NODE | REMOVE_NODE
    | REMOVE_PROPERTY | READ_AC | MODIFY_AC | NODE_TYPE_MNGMT
    | VERSION_MNGMT | LOCK_MNGMT | LIFECYCLE_MNGMT | RETENTION_MNGMT
    | MODIFY_CHILD_NODE_COLLECTION | NODE_TYPE_DEF_MNGMT | NAMESPACE_MNGMT
    | WORKSPACE_MNGMT | PRIVILEGE_MNGMT);

/**
 * Returns those bits from <code>permissions</code> that are not present in
 * the <code>otherPermissions</code>, i.e. subtracts the other permissions
 * from permissions.<br>
 * If the specified <code>otherPermissions</code> do not intersect with
 * <code>permissions</code>, <code>permissions</code> are returned.<br>
 * If <code>permissions</code> is included in <code>otherPermissions</code>,
 * { @link #NONE } is returned.
 *
 * @param permissions
 * @param otherPermissions
 * @return the differences of the 2 permissions or <code>{ @link #NONE}</code>.
 */
public static int diff(int permissions, int otherPermissions) {
    return permissions & ~otherPermissions;
}
}

```

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1.259 java-xmlbuilder 0.4

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1.1

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1.1.1

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1.278 jaxb-api 2.2.2

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1.279 jaxb-core 2.2.11

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*/
// XMLWriter.java - serialize an XML document.
// Written by David Megginson, david@megginson.com
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// AttributesImpl.java - default implementation of Attributes.
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/**
 * Default implementation of the Attributes interface.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * See <a href='http://www.saxproject.org'>http://www.saxproject.org</a>
 * for further information.
 * </blockquote>
 *
 * <p>This class provides a default implementation of the SAX2
 * { @link org.xml.sax.Attributes Attributes } interface, with the
 * addition of manipulators so that the list can be modified or
 * reused.</p>
 *

```



```

* <p>There are two typical uses of this class:</p>
*
* <ol>
* <li>to take a persistent snapshot of an Attributes object
* in a { @link org.xml.sax.ContentHandler#startElement startElement } event; or</li>
* <li>to construct or modify an Attributes object in a SAX2 driver or filter.</li>
* </ol>
*
* <p>This class replaces the now-deprecated SAX1 { @link
* org.xml.sax.helpers.AttributeListImpl AttributeListImpl }
* class; in addition to supporting the updated Attributes
* interface rather than the deprecated { @link org.xml.sax.AttributeList
* AttributeList } interface, it also includes a much more efficient
* implementation using a single array rather than a set of Vectors.</p>
*
* @since JAXB1.0
* @since SAX 2.0
* @author David Megginson
* @version 2.0.1 (sax2r2)
*/
// NamespaceSupport.java - generic Namespace support for SAX.
// http://www.saxproject.org
// Written by David Megginson
// This class is in the Public Domain. NO WARRANTY!
# RELAX NG Schema for WSDL 1.1 HTTP Binding
#
#           Written by Kohsuke Kawaguchi
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1.282 jaxb2-basics-runtime 0.6.4

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1.283 jaxen 1.1.6

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1.284 jboss-annotations-api_1.2_spec

1.0.0.Final

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1.285 jboss-logging 3.3.1.Final

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1.286 jboss-logging 3.3.0.Final

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1.287 jboss-marshalling-osgi-2.0.2.Final

jboss-marshalling-osgi-2.0.2.Final

1.288 jboss-transaction-api_1.2_spec

1.0.1.Final

1.289 jboss-websocket-api_1.1_spec

1.1.0.Final

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1.298 jclouds-jsch-1.6.0 1.6.0

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1.299 jclouds-log4j-1.6.0 1.6.0

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1.304 jdo-api 3.0.1

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\$Id: Comment.java,v 1.32 2004/02/11 21:12:43 jhunter Exp \$

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*/

```
package org.jdom;
```

```
/**
```

```
* An XML comment. Methods allow the user to get and set the text of the  
* comment.
```

```
*
```

```
* @version $Revision: 1.32 $, $Date: 2004/02/11 21:12:43 $
```

```
* @author Brett McLaughlin
```

```
* @author Jason Hunter
```

```
*/
```

```
public class Comment extends Content {
```

```
    private static final String CVS_ID =
```

```
        "@(#) $RCSfile: Comment.java,v $ $Revision: 1.32 $ $Date: 2004/02/11 21:12:43 $ $Name: jdom_1_0 $";
```

```
    /** Text of the <code>Comment</code> */
```

```
    protected String text;
```

```
    /**
```

```
     * Default, no-args constructor for implementations to use if needed.
```

```
    */
```

```
    protected Comment() {}
```

```
    /**
```

```
     * This creates the comment with the supplied text.
```

```
    *
```

```
     * @param text <code>String</code> content of comment.
```

```
    */
```

```
    public Comment(String text) {
```

```
        setText(text);
```

```
    }
```

```
    /**
```

```
     * Returns the XPath 1.0 string value of this element, which is the
```

```
     * text of this comment.
```

```

*
* @return the text of this comment
*/
public String getValue() {
    return text;
}

/**
* This returns the textual data within the <code>Comment</code>.
*
* @return <code>String</code> - text of comment.
*/
public String getText() {
    return text;
}

/**
* This will set the value of the <code>Comment</code>.
*
* @param text <code>String</code> text for comment.
* @return <code>Comment</code> - this Comment modified.
* @throws IllegalArgumentException if the given text is illegal for a
*     Comment.
*/
public Comment setText(String text) {
    String reason;
    if ((reason = Verifier.checkCommentData(text)) != null) {
        throw new IllegalArgumentException(text, "comment", reason);
    }

    this.text = text;
    return this;
}

/**
* This returns a <code>String</code> representation of the
* <code>Comment</code>, suitable for debugging. If the XML
* representation of the <code>Comment</code> is desired,
* { @link org.jdom.output.XMLOutputter#outputString(Comment) }
* should be used.
*
* @return <code>String</code> - information about the
*     <code>Attribute</code>
*/
public String toString() {
    return new StringBuffer()
        .append("[Comment: ")
        .append(new org.jdom.output.XMLOutputter().outputString(this))

```

```
        .append("]")
        .toString();
    }

}
```

1.306 jdom 1.0 :4.4.jdk6.ep5.el5

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```
/*--
```

```
$Id: LICENSE.txt,v 1.11 2004/02/06 09:32:57 jhunter Exp $
```

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1.309 jdom2-2.0.5 2.0.5

1.310 jempbox-1.8.9.jar 1.8.9

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1.311 jersey-apache-client4 1.19.1

1.311.1 Available under license :

License names:

CDDL 1.1

GPL2 w/ CPE

1.312 jersey-client 2.25.1

1.313 jersey-common 2.25.1

1.314 jersey-core 1.19.1

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```
<!DOCTYPE html PUBLIC "-//W3C//DTD XHTML 1.0 Transitional//EN"
```

```
"http://www.w3.org/TR/xhtml1/DTD/xhtml1-transitional.dtd">
```

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<html xmlns="http://www.w3.org/1999/xhtml">
```

```
<head>
```

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<meta http-equiv="Content-Type" content="text/html; charset=iso-8859-1" />
```

```
<title>CDDL+GPL Version 1.1</title>
```

```
</head>
```

```
<!-- @page { margin: 0.79in } P { margin-bottom: 0.08in } H1 { margin-top: 0in; margin-bottom: 0.17in; widows:
0; orphans: 0 } H1.western { font-family: "Times New Roman", serif; font-size: 12pt; font-weight: normal } H1.cjk
{ font-family: "Andale Sans UI"; font-size: 12pt; font-weight: normal } H1ctl { font-family: "Tahoma"; font-size:
12pt; font-weight: normal } -->
```

```
<BODY DIR="LTR">
```

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*

* Adopted from Java Concurrency in Practice. This annotation defines the monitor that protects the variable

* annotated by @GuardedBy, e.g. @GuardedBy("lock") or @GuardedBy("this")

* @author Bela Ban

*/

1.329 jhighlight 1.0

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The primary ANTLR guy:

Terence Parr
parrt@cs.usfca.edu
parrt@antlr.org

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/*

File: Core.js

Description:

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

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

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

Author:

Nicolas Garcia Belmonte

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1.1.2

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That's all there is to it!

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Modified by Atlassian

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

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/*

File: Core.js

Description:

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

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

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

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1.335 Joda Time 1.6

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1.341 jquery-rails 4.3.1

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1.342 jquery-ui 1.11.0

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1.343 jquery.color 2.1.2

1.344 jsch 0.1.44

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1.346 jsdom 8.0.3

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1.347 json 1.8.0

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*
* Proposal of Chris Zyp goes into version 0.9.x
* Issue 7 resolved
*/
```

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AppleJavaExtensions
v 1.2

<http://developer.apple.com/samplecode/AppleJavaExtensions/AppleJavaExtensions.html>

This is a pluggable jar of stub classes representing the new Apple eAWT and eIO APIs for Java 1.4 on Mac OS X. The purpose of these stubs is to allow for compilation of eAWT- or eIO-referencing code on platforms other than Mac OS X. These stubs are not intended for the runtime classpath on non-Mac platforms. Please see the OSXAdapter sample for how to write cross-platform code that uses eAWT.

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1.364 JUL to SLF4J bridge 1.7.7

1.364.1 Available under license :

cat jul-to-slf4j-1.7.7-sources/org/slf4j/bridge/SLF4JBridgeHandler.java

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1.365 jul-to-slf4j 1.7.25

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1.366 junit 4.12

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1.367 JUnit 4.12

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1.369 junrar 0.7

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1.372 kubernetes-client 3.1.8

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1.373 lang 0.2.4

1.374 lang-tag 1.4.3

1.375 lang-tag-1.4 1.4

1.376 Iodash.merge 4.4.0

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1.377 Iodash.merge 4.6.0

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1.378 log4j 1.2.17

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1.379 log4j-api 2.9.0

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1.385 log4j-slf4j-impl 2.7

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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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(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

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1.389 logback-core 1.1.1

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Version 2.1, February 1999

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```
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```

```
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```

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1.395 mapdb 1.0.8

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Luc Peuvrier wrote some unit tests for ConcurrentNavigableMap interface.

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1.397 mariadb 10.2.13

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```
##### mysql-test\t\license_basic.test #####
#
# Variable Name: license #
# Scope: Global #
# Access Type: Static #
# Data Type: string #
#
#
# Creation Date: 2008-02-07 #
# Author : Sharique Abdullah #
#
#
# Description:Test Cases of Dynamic System Variable license #
# that checks the behavior of this variable in the following ways #
# * Value Check #
# * Scope Check #
#
# Reference: http://dev.mysql.com/doc/refman/5.1/en/ #
# server-system-variables.html #
#
#####

--echo '#-----BS_STVARS_040_01-----#'
#####
# Displaying default value #
#####
SELECT COUNT(@@GLOBAL.license);
--echo 1 Expected

--echo '#-----BS_STVARS_040_02-----#'
#####
# Check if Value can set #
#####

--error ER_INCORRECT_GLOBAL_LOCAL_VAR
SET @@GLOBAL.license=1;
--echo Expected error 'Read only variable'

SELECT COUNT(@@GLOBAL.license);
--echo 1 Expected
```

```

--echo '#-----BS_STVARS_040_03-----#'
#####
# Check if the value in GLOBAL Table matches value in variable #
#####

SELECT @@GLOBAL.license = VARIABLE_VALUE
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
--echo 1 Expected

SELECT COUNT(@@GLOBAL.license);
--echo 1 Expected

SELECT COUNT(VARIABLE_VALUE)
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
--echo 1 Expected

--echo '#-----BS_STVARS_040_04-----#'
#####
# Check if accessing variable with and without GLOBAL point to same variable #
#####
SELECT @@license = @@GLOBAL.license;
--echo 1 Expected

--echo '#-----BS_STVARS_040_05-----#'
#####
# Check if license can be accessed with and without @@ sign #
#####

SELECT COUNT(@@license);
--echo 1 Expected

--Error ER_INCORRECT_GLOBAL_LOCAL_VAR
SELECT COUNT(@@local.license);
--echo Expected error 'Variable is a GLOBAL variable'

--Error ER_INCORRECT_GLOBAL_LOCAL_VAR
SELECT COUNT(@@SESSION.license);
--echo Expected error 'Variable is a GLOBAL variable'

```

```

SELECT COUNT(@@GLOBAL.license);
--echo 1 Expected

--Error ER_BAD_FIELD_ERROR
SELECT license = @@SESSION.license;
--echo Expected error 'Readonly variable'
'#-----BS_STVARS_040_01-----#'
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected
'#-----BS_STVARS_040_02-----#'
SET @@GLOBAL.license=1;
ERROR HY000: Variable 'license' is a read only variable
Expected error 'Read only variable'
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected
'#-----BS_STVARS_040_03-----#'
SELECT @@GLOBAL.license = VARIABLE_VALUE
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
@@GLOBAL.license = VARIABLE_VALUE
1
1 Expected
SELECT COUNT(@@GLOBAL.license);
COUNT(@@GLOBAL.license)
1
1 Expected
SELECT COUNT(VARIABLE_VALUE)
FROM INFORMATION_SCHEMA.GLOBAL_VARIABLES
WHERE VARIABLE_NAME='license';
COUNT(VARIABLE_VALUE)
1
1 Expected
'#-----BS_STVARS_040_04-----#'
SELECT @@license = @@GLOBAL.license;
@@license = @@GLOBAL.license
1
1 Expected
'#-----BS_STVARS_040_05-----#'
SELECT COUNT(@@license);
COUNT(@@license)
1
1 Expected
SELECT COUNT(@@local.license);
ERROR HY000: Variable 'license' is a GLOBAL variable

```

```
Expected error 'Variable is a GLOBAL variable'  
SELECT COUNT(@@SESSION.license);  
ERROR HY000: Variable 'license' is a GLOBAL variable  
Expected error 'Variable is a GLOBAL variable'  
SELECT COUNT(@@GLOBAL.license);  
COUNT(@@GLOBAL.license)
```

1

```
1 Expected  
SELECT license = @@SESSION.license;  
ERROR 42S22: Unknown column 'license' in 'field list'  
Expected error 'Readonly variable'
```

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gethostname.c: minimal substitute for missing gethostname() function
created 2000-Mar-02 jmk
requires SVR4 uname() and -lc

by Jim Knoble
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cmake-2.4.8/Utilities/cmzlib/zlib.h:
zlib.h -- interface of the 'zlib' general purpose compression library
version 1.1.4, March 11th, 2002

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cmake-2.4.8/Utilities/cmcurl/inet_pton.c,
cmake-2.4.8/Source/CTest/Curl/inet_pton.c:
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Sources for Time Zone and Daylight Saving Time Data
@(#)tz-link.htm 7.54

Please send corrections to this web page to the time zone mailing list.
The tz database

The public-domain time zone database contains code and data that represent the history of local time for many representative locations around the globe. It is updated periodically to reflect changes made by political bodies to time zone boundaries, UTC offsets, and daylight-saving rules. This database (often called tz or zoneinfo) is used by several implementations, including the GNU C Library

used in GNU/Linux, FreeBSD, NetBSD, OpenBSD, Cygwin, DJGPP, HP-UX, IRIX, Mac OS X, OpenVMS, Solaris, Tru64, and UnixWare.

Each location in the database represents a national region where all clocks keeping local time have agreed since 1970. Locations are identified by continent or ocean and then by the name of the location, which is typically the largest city within the region. For example, America/New_York represents most of the US eastern time zone; America/Phoenix represents most of Arizona, which uses mountain time without daylight saving time (DST); America/Detroit represents most of Michigan, which uses eastern time but with different DST rules in 1975; and other entries represent smaller regions like Starke County, Indiana, which switched from central to eastern time in 1991 and switched back in 2006. To use the database on an extended POSIX implementation set the TZ environment variable to the location's full name, e.g., TZ="America/New_York".

In the tz database's FTP distribution the code is in the file tzcodeC.tar.gz, where C is the code's version; similarly, the data are in tzdataD.tar.gz, where D is the data's version. The following shell commands download these files to a GNU/Linux or similar host; see the downloaded README file for what to do next.

```
wget 'ftp://elsie.nci.nih.gov/pub/tz*.tar.gz'  
gzip -dc tzcode*.tar.gz | tar -xf -  
gzip -dc tzdata*.tar.gz | tar -xf -
```

The code lets you compile the tz source files into machine-readable binary files, one for each location. It also lets you read a tz binary file and interpret time stamps for that location.

The data are by no means authoritative. If you find errors, please send changes to the time zone mailing list. You can also subscribe to the mailing list, retrieve the archive of old messages (in gzip compressed format), or retrieve archived older versions of code and data; there is also a smaller HTTP mirror.

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```
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```

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 *
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 *
 * The code has been modified by Mikael Ronstroem to handle
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 */
```

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```

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PCRE (Perl-compatible regular expression library)

THE BASIC LIBRARY FUNCTIONS

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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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Schwarz <schwarz@debian.org> and ist maintained since 1999-04-20 by
Christian Hammers <ch@debian.org>.

The MariaDB packages were initaly made by <http://ourdelta.org/>, and
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1.407 mockito-core.jar 1.10.19

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1.427 netty-buffer 4.1.15.Final

1.428 netty-buffer 4.1.7

1.429 netty-codec 4.1.15.Final

1.430 netty-codec-http 4.1.15.Final

1.431 netty-common 4.0.27

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1.432 netty-handler 4.1.13.FINAL

1.433 netty-resolver 4.1.15.Final

1.434 netty-transport 4.1.15.Final

1.435 netty-transport-native-epoll 4.0.27

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1.441 oauth2-oidc-sdk-4.5 4.5

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1.456 openstack-keystone-1.6.0 1.6.0

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1.457 openstack4j-core-2.11 2.11

1.458 openstack4j-httpclient-2.11 2.11

1.459 OpenWS 1.5.4

1.460 org.apache.servicemix.bundles.javax-inject 1_2

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1.461 osgi-resource-locator 1.0.1

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1.473 proto-google-common-protos 1.11.0

1.474 proto-google-iam-v1 0.12.0

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1.477 protobuf-java-util 3.5.1

1.478 Protocol Buffer Java API 2.5.0

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1.482 querydsl-apt-3.7.0 3.7.0

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1.493 rc-time-picker 2.4.1

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1.494 react 15.6.2

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1.495 react-datepicker 0.48.0

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1.496 react-dom 15.3.1

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1.497 react-file-reader-input 1.1.4

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1.498 react-redux 4.4.8

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1.499 react-select 1.0.0-beta12

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1.500 recaptcha4j 0.0.7

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*/

package net.tanesha.recaptcha;

import java.util.Properties;

public interface ReCaptcha {

/**

* Creates HTML output with embedded recaptcha. The string response should be output on a HTML page (eg. inside a JSP).

*

* @param errorMessage An error message to display in the captcha, null if none.

* @param options Options for rendering, `<code>tabindex</code>` and `<code>theme</code>` are currently supported by recaptcha. You can

* put any options here though, and they will be added to the ReCaptchaOptions javascript array.

* @return

*/

public String createRecaptchaHtml(String errorMessage, Properties options);

/**

* Creates HTML output with embedded recaptcha. The string response should be output on a HTML page (eg. inside a JSP).

*

* This is just a wrapper that accepts the properties known to recaptcha.net

```

*
* @param errorMessage The error message to show in the recaptcha ouput
* @param theme The theme to use for the recaptcha output (null if default)
* @param tabIndex The tabIndex to use for the recaptcha element (null if default)
* @return
*/
public String createRecaptchaHtml(String errorMessage, String theme, Integer tabIndex);

/**
 * Validates a reCaptcha challenge and response.
 *
 * @param remoteAddr The address of the user, eg. request.getRemoteAddr()
 * @param challenge The challenge from the reCaptcha form, this is usually
request.getParameter("recaptcha_challenge_field") in your code.
 * @param response The response from the reCaptcha form, this is usually
request.getParameter("recaptcha_response_field") in your code.
 * @return
 */
public ReCaptchaResponse checkAnswer(String remoteAddr, String challenge, String response);
}

```

1.501 redux 3.2.1

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1.502 redux-logger 2.6.1

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1.503 redux-thunk 1.0.3

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1.504 reflections-0.9.9 0.9.9

1.505 regexp 1.4 :2jpp.2

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1.506 requirejs 2.3.3

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The art of simplicity is a puzzle of complexity.

Overview

[YAML](<http://yaml.org>) is a data serialization format designed for human readability and interaction with scripting languages.

SnakeYAML is a YAML processor for the Java Virtual Machine.

SnakeYAML features

- * a **complete** [YAML 1.1 processor](<http://yaml.org/spec/1.1/current.html>). In particular, SnakeYAML can parse all examples from the specification.
- * Unicode support including UTF-8/UTF-16 input/output.
- * high-level API for serializing and deserializing native Java objects.
- * support for all types from the [YAML types repository](<http://yaml.org/type/index.html>).
- * relatively sensible error messages.

Info

- * [Changes](<https://bitbucket.org/asomov/snakeyaml/wiki/Changes>)
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- * Mercurial DVCS is used to dance with the [source code](<https://bitbucket.org/asomov/snakeyaml/src>).
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1.511 ribbon 2.2.2

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1.512 ribbon-core 2.2.2

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1.513 ribbon-httpclient 2.2.2

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```
<!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">

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<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">

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<link href='https://fonts.googleapis.com/css?family=Source+Sans+Pro:400,700%7cDroid+Serif:400,700'
rel='stylesheet' type='text/css'>
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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>
</div>
</div>
</nav>
</header>
<!-- / Navigation -->
<div class="container">
<div class="row">
  <div class="col-md-6 col-sm-5 col-xs-12">
    
  </div>
  <div class="col-md-3 col-sm-3 col-xs-6">
    <a href="http://apache.org/foundation/contributing.html" title="Support Apache">
      
    </a>
  </div>
  <div class="col-md-3 col-sm-4 col-xs-6">
    <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 &#169; 2017 The Apache Software Foundation, Licensed under the <a
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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>
```

1.514 ribbon-loadbalancer 2.2.2

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1.515 ribbon-transport 2.2.2

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}

1.544 Softlayer SDK 0.2.4

1.544.1 Available under license :

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1.545 softlayer-api-client 0.2.4

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package com.softlayer.api.service.user.permission;

```
import com.softlayer.api.ApiClient;
import com.softlayer.api.ResponseHandler;
import com.softlayer.api.annotation.ApiMethod;
import com.softlayer.api.annotation.ApiProperty;
import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.Entity;
import java.util.GregorianCalendar;
import java.util.List;
import java.util.concurrent.Future;

/**
 * @see <a
 href="http://sldn.softlayer.com/reference/datatypes/SoftLayer_User_Permission_Action">SoftLayer_User_Permission_Action</a>
 */
@ApiType("SoftLayer_User_Permission_Action")
```

```

public class Action extends Entity {

    @ApiModelProperty(canBeNullOrNotSet = true)
    protected GregorianCalendar createDate;

    public GregorianCalendar getCreateDate() {
        return createDate;
    }

    public void setCreateDate(GregorianCalendar createDate) {
        createDateSpecified = true;
        this.createDate = createDate;
    }

    protected boolean createDateSpecified;

    public boolean isCreateDateSpecified() {
        return createDateSpecified;
    }

    public void unsetCreateDate() {
        createDate = null;
        createDateSpecified = false;
    }

    @ApiModelProperty(canBeNullOrNotSet = true)
    protected String description;

    public String getDescription() {
        return description;
    }

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

    protected boolean descriptionSpecified;

    public boolean isDescriptionSpecified() {
        return descriptionSpecified;
    }

    public void unsetDescription() {
        description = null;
        descriptionSpecified = false;
    }
}

```

```
@ApiModelProperty(canBeNullOrNotSet = true)
```

```
protected Long id;
```

```
public Long getId() {  
    return id;  
}
```

```
public void setId(Long id) {  
    idSpecified = true;  
    this.id = id;  
}
```

```
protected boolean idSpecified;
```

```
public boolean isIdSpecified() {  
    return idSpecified;  
}
```

```
public void unsetId() {  
    id = null;  
    idSpecified = false;  
}
```

```
@ApiModelProperty(canBeNullOrNotSet = true)
```

```
protected String key;
```

```
public String getKey() {  
    return key;  
}
```

```
public void setKey(String key) {  
    keySpecified = true;  
    this.key = key;  
}
```

```
protected boolean keySpecified;
```

```
public boolean isKeySpecified() {  
    return keySpecified;  
}
```

```
public void unsetKey() {  
    key = null;  
    keySpecified = false;  
}
```

```
@ApiModelProperty(canBeNullOrNotSet = true)
```

```
protected String keyName;
```

```

public String getKeyName() {
    return keyName;
}

public void setKeyName(String keyName) {
    keyNameSpecified = true;
    this.keyName = keyName;
}

protected boolean keyNameSpecified;

public boolean isKeyNameSpecified() {
    return keyNameSpecified;
}

public void unsetKeyName() {
    keyName = null;
    keyNameSpecified = false;
}

@ApiProperty(canBeNullOrNotSet = true)
protected GregorianCalendar modifyDate;

public GregorianCalendar getModifyDate() {
    return modifyDate;
}

public void setModifyDate(GregorianCalendar modifyDate) {
    modifyDateSpecified = true;
    this.modifyDate = modifyDate;
}

protected boolean modifyDateSpecified;

public boolean isModifyDateSpecified() {
    return modifyDateSpecified;
}

public void unsetModifyDate() {
    modifyDate = null;
    modifyDateSpecified = false;
}

@ApiProperty(canBeNullOrNotSet = true)
protected String name;

public String getName() {

```

```

    return name;
}

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

protected boolean nameSpecified;

public boolean isNameSpecified() {
    return nameSpecified;
}

public void unsetName() {
    name = null;
    nameSpecified = false;
}

public Service asService(ApiClient client) {
    return service(client, id);
}

public static Service service(ApiClient client) {
    return client.createService(Service.class, null);
}

public static Service service(ApiClient client, Long id) {
    return client.createService(Service.class, id == null ? null : id.toString());
}

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Action">SoftLayer_User_Permissio
n_Action</a>
 */
@com.softlayer.api.annotation.ApiService("SoftLayer_User_Permission_Action")
public static interface Service extends com.softlayer.api.Service {

    public ServiceAsync asAsync();
    public Mask withNewMask();
    public Mask withMask();
    public void setMask(Mask mask);

}

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Action/getAllObjects">SoftLayer_U
ser_Permission_Action::getAllObjects</a>

```

```

    */
    @ApiMethod
    public List<Action> getAllObjects();

    /**
     * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Action/getObject">SoftLayer_User_
Permission_Action::getObject</a>
     */
    @ApiMethod(instanceRequired = true)
    public Action getObject();
}

public static interface ServiceAsync extends com.softlayer.api.ServiceAsync {

    public Mask withNewMask();
    public Mask withMask();
    public void setMask(Mask mask);

    /**
     * Async version of { @link Service#getAllObjects }
     */
    public Future<List<Action>> getAllObjects();

    public Future<?> getAllObjects(ResponseHandler<List<Action>> callback);

    /**
     * Async version of { @link Service#getObject }
     */
    public Future<Action> getObject();

    public Future<?> getObject(ResponseHandler<Action> callback);
}

public static class Mask extends com.softlayer.api.service.Entity.Mask {

    public Mask createDate() {
        withLocalProperty("createDate");
        return this;
    }

    public Mask description() {
        withLocalProperty("description");
        return this;
    }
}

```



```

public Mask id() {
    withLocalProperty("id");
    return this;
}

public Mask key() {
    withLocalProperty("key");
    return this;
}

public Mask keyName() {
    withLocalProperty("keyName");
    return this;
}

public Mask modifyDate() {
    withLocalProperty("modifyDate");
    return this;
}

public Mask name() {
    withLocalProperty("name");
    return this;
}

}

}

package com.softlayer.api.service.user.permission;

import com.softlayer.api.ApiClient;
import com.softlayer.api.ResponseHandler;
import com.softlayer.api.annotation.ApiMethod;
import com.softlayer.api.annotation.ApiProperty;
import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.Account;
import com.softlayer.api.service.Entity;
import com.softlayer.api.service.user.Customer;
import com.softlayer.api.service.user.permission.Action;
import com.softlayer.api.service.user.permission.Group;
import java.util.ArrayList;
import java.util.GregorianCalendar;
import java.util.List;
import java.util.concurrent.Future;

/**
 * @see <a
 href="http://sldn.softlayer.com/reference/datatypes/SoftLayer_User_Permission_Role">SoftLayer_User_Permission

```

```

 Role</a>
 */
 @ApiType("SoftLayer_User_Permission_Role")
 public class Role extends Entity {

     @ApiModelProperty
     protected Account account;

     public Account getAccount() {
         return account;
     }

     public void setAccount(Account account) {
         this.account = account;
     }

     @ApiModelProperty
     protected List<Action> actions;

     public List<Action> getActions() {
         if (actions == null) {
             actions = new ArrayList<Action>();
         }
         return actions;
     }

     @ApiModelProperty
     protected List<Group> groups;

     public List<Group> getGroups() {
         if (groups == null) {
             groups = new ArrayList<Group>();
         }
         return groups;
     }

     @ApiModelProperty
     protected List<Customer> users;

     public List<Customer> getUsers() {
         if (users == null) {
             users = new ArrayList<Customer>();
         }
         return users;
     }

     /**
      * A permission roles associated [[SoftLayer_Account|customer account]] id.

```

```

*/
@ApiProperty(canBeNullOrNotSet = true)
protected Long accountId;

public Long getAccountId() {
    return accountId;
}

public void setAccountId(Long accountId) {
    accountIdSpecified = true;
    this.accountId = accountId;
}

protected boolean accountIdSpecified;

public boolean isAccountIdSpecified() {
    return accountIdSpecified;
}

public void unsetAccountId() {
    accountId = null;
    accountIdSpecified = false;
}

/**
 * The date the permission role record was created.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected GregorianCalendar createDate;

public GregorianCalendar getCreateDate() {
    return createDate;
}

public void setCreateDate(GregorianCalendar createDate) {
    createDateSpecified = true;
    this.createDate = createDate;
}

protected boolean createDateSpecified;

public boolean isCreateDateSpecified() {
    return createDateSpecified;
}

public void unsetCreateDate() {
    createDate = null;
    createDateSpecified = false;
}

```

```

}

/**
 * The description of the permission role.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected String description;

public String getDescription() {
    return description;
}

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

protected boolean descriptionSpecified;

public boolean isDescriptionSpecified() {
    return descriptionSpecified;
}

public void unsetDescription() {
    description = null;
    descriptionSpecified = false;
}

/**
 * A permission roles internal identifying number.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long id;

public Long getId() {
    return id;
}

public void setId(Long id) {
    idSpecified = true;
    this.id = id;
}

protected boolean idSpecified;

public boolean isIdSpecified() {
    return idSpecified;
}

```

```

public void unsetId() {
    id = null;
    idSpecified = false;
}

/**
 * The date the permission role record was last modified.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected GregorianCalendar modifyDate;

public GregorianCalendar getModifyDate() {
    return modifyDate;
}

public void setModifyDate(GregorianCalendar modifyDate) {
    modifyDateSpecified = true;
    this.modifyDate = modifyDate;
}

protected boolean modifyDateSpecified;

public boolean isModifyDateSpecified() {
    return modifyDateSpecified;
}

public void unsetModifyDate() {
    modifyDate = null;
    modifyDateSpecified = false;
}

/**
 * The name of the permission role.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected String name;

public String getName() {
    return name;
}

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

protected boolean nameSpecified;

```

```

public boolean isNameSpecified() {
    return nameSpecified;
}

public void unsetName() {
    name = null;
    nameSpecified = false;
}

/**
 * A flag showing if new users should be automatically added to this role.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long newUserDefaultFlag;

public Long getNewUserDefaultFlag() {
    return newUserDefaultFlag;
}

public void setNewUserDefaultFlag(Long newUserDefaultFlag) {
    newUserDefaultFlagSpecified = true;
    this.newUserDefaultFlag = newUserDefaultFlag;
}

protected boolean newUserDefaultFlagSpecified;

public boolean isNewUserDefaultFlagSpecified() {
    return newUserDefaultFlagSpecified;
}

public void unsetNewUserDefaultFlag() {
    newUserDefaultFlag = null;
    newUserDefaultFlagSpecified = false;
}

/**
 * A flag showing if the permission role was created by our internal system for a single user. If this flag is set only
 a single user can be assigned to this permission role and it can not be deleted.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long systemFlag;

public Long getSystemFlag() {
    return systemFlag;
}

public void setSystemFlag(Long systemFlag) {

```

```

        systemFlagSpecified = true;
        this.systemFlag = systemFlag;
    }

    protected boolean systemFlagSpecified;

    public boolean isSystemFlagSpecified() {
        return systemFlagSpecified;
    }

    public void unsetSystemFlag() {
        systemFlag = null;
        systemFlagSpecified = false;
    }

    /**
     * A count of
     */
    @ApiProperty
    protected Long actionCount;

    public Long getActionCount() {
        return actionCount;
    }

    public void setActionCount(Long actionCount) {
        this.actionCount = actionCount;
    }

    /**
     * A count of
     */
    @ApiProperty
    protected Long groupCount;

    public Long getGroupCount() {
        return groupCount;
    }

    public void setGroupCount(Long groupCount) {
        this.groupCount = groupCount;
    }

    /**
     * A count of
     */
    @ApiProperty
    protected Long userCount;

```

```

public Long getUserCount() {
    return userCount;
}

public void setUserCount(Long userCount) {
    this.userCount = userCount;
}

public Service asService(ApiClient client) {
    return service(client, id);
}

public static Service service(ApiClient client) {
    return client.createService(Service.class, null);
}

public static Service service(ApiClient client, Long id) {
    return client.createService(Service.class, id == null ? null : id.toString());
}

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role">SoftLayer_User_Permission_
Role</a>
 */
@com.softlayer.api.annotation.ApiService("SoftLayer_User_Permission_Role")
public static interface Service extends com.softlayer.api.Service {

    public ServiceAsync asAsync();
    public Mask withNewMask();
    public Mask withMask();
    public void setMask(Mask mask);

    /**
     * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role/addUser">SoftLayer_User_Per
mission_Role::addUser</a>
     */
    @ApiMethod(instanceRequired = true)
    public Void addUser(Customer user);

    /**
     * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role/createObject">SoftLayer_User
_Permission_Role::createObject</a>
     */
    @ApiMethod

```



```

public Role createObject(Role templateObject);

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role/deleteObject">SoftLayer_User
_Permission_Role::deleteObject</a>
 */
@ApiMethod(instanceRequired = true)
public Boolean deleteObject();

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role/editObject">SoftLayer_User_P
ermission_Role::editObject</a>
 */
@ApiMethod(instanceRequired = true)
public Role editObject(Role templateObject);

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role/getObject">SoftLayer_User_P
ermission_Role::getObject</a>
 */
@ApiMethod(instanceRequired = true)
public Role getObject();

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role/linkGroup">SoftLayer_User_P
ermission_Role::linkGroup</a>
 */
@ApiMethod(instanceRequired = true)
public Void linkGroup(Group group);

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role/removeUser">SoftLayer_User
_Permission_Role::removeUser</a>
 */
@ApiMethod(instanceRequired = true)
public Void removeUser(Customer user);

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role/unlinkGroup">SoftLayer_User
_Permission_Role::unlinkGroup</a>
 */
@ApiMethod(instanceRequired = true)

```

```

public Void unlinkGroup(Group group);

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role/getAccount">SoftLayer_User_
Permission_Role::getAccount</a>
 */
@ApiMethod(instanceRequired = true)
public Account getAccount();

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role/getActions">SoftLayer_User_
Permission_Role::getActions</a>
 */
@ApiMethod(instanceRequired = true)
public List<Action> getActions();

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role/getGroups">SoftLayer_User_P
ermission_Role::getGroups</a>
 */
@ApiMethod(instanceRequired = true)
public List<Group> getGroups();

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Role/getUsers">SoftLayer_User_Pe
rmission_Role::getUsers</a>
 */
@ApiMethod(instanceRequired = true)
public List<Customer> getUsers();

}

public static interface ServiceAsync extends com.softlayer.api.ServiceAsync {

public Mask withNewMask();
public Mask withMask();
public void setMask(Mask mask);

/**
 * Async version of { @link Service#addUser }
 */
public Future<Void> addUser(Customer user);

public Future<?> addUser(Customer user, ResponseHandler<Void> callback);

```

```

/**
 * Async version of { @link Service#createObject }
 */
public Future<Role> createObject(Role templateObject);

public Future<?> createObject(Role templateObject, ResponseHandler<Role> callback);

/**
 * Async version of { @link Service#deleteObject }
 */
public Future<Boolean> deleteObject();

public Future<?> deleteObject(ResponseHandler<Boolean> callback);

/**
 * Async version of { @link Service#editObject }
 */
public Future<Role> editObject(Role templateObject);

public Future<?> editObject(Role templateObject, ResponseHandler<Role> callback);

/**
 * Async version of { @link Service#getObject }
 */
public Future<Role> getObject();

public Future<?> getObject(ResponseHandler<Role> callback);

/**
 * Async version of { @link Service#linkGroup }
 */
public Future<Void> linkGroup(Group group);

public Future<?> linkGroup(Group group, ResponseHandler<Void> callback);

/**
 * Async version of { @link Service#removeUser }
 */
public Future<Void> removeUser(Customer user);

public Future<?> removeUser(Customer user, ResponseHandler<Void> callback);

/**
 * Async version of { @link Service#unlinkGroup }
 */
public Future<Void> unlinkGroup(Group group);

```

```

public Future<?> unlinkGroup(Group group, ResponseHandler<Void> callback);

/**
 * Async version of { @link Service#getAccount }
 */
public Future<Account> getAccount();

/**
 * Async callback version of { @link Service#getAccount }
 */
public Future<?> getAccount(ResponseHandler<Account> callback);

/**
 * Async version of { @link Service#getActions }
 */
public Future<List<Action>> getActions();

/**
 * Async callback version of { @link Service#getActions }
 */
public Future<?> getActions(ResponseHandler<List<Action>> callback);

/**
 * Async version of { @link Service#getGroups }
 */
public Future<List<Group>> getGroups();

/**
 * Async callback version of { @link Service#getGroups }
 */
public Future<?> getGroups(ResponseHandler<List<Group>> callback);

/**
 * Async version of { @link Service#getUsers }
 */
public Future<List<Customer>> getUsers();

/**
 * Async callback version of { @link Service#getUsers }
 */
public Future<?> getUsers(ResponseHandler<List<Customer>> callback);
}

public static class Mask extends com.softlayer.api.service.Entity.Mask {

    public com.softlayer.api.service.Account.Mask account() {
        return withSubMask("account", com.softlayer.api.service.Account.Mask.class);
    }
}

```

```

}

public Action.Mask actions() {
    return withSubMask("actions", Action.Mask.class);
}

public Group.Mask groups() {
    return withSubMask("groups", Group.Mask.class);
}

public com.softlayer.api.service.user.Customer.Mask users() {
    return withSubMask("users", com.softlayer.api.service.user.Customer.Mask.class);
}

public Mask accountId() {
    withLocalProperty("accountId");
    return this;
}

public Mask createDate() {
    withLocalProperty("createDate");
    return this;
}

public Mask description() {
    withLocalProperty("description");
    return this;
}

public Mask id() {
    withLocalProperty("id");
    return this;
}

public Mask modifyDate() {
    withLocalProperty("modifyDate");
    return this;
}

public Mask name() {
    withLocalProperty("name");
    return this;
}

public Mask newUserDefaultFlag() {
    withLocalProperty("newUserDefaultFlag");
    return this;
}

```

```

public Mask systemFlag() {
    withLocalProperty("systemFlag");
    return this;
}

public Mask actionCount() {
    withLocalProperty("actionCount");
    return this;
}

public Mask groupCount() {
    withLocalProperty("groupCount");
    return this;
}

public Mask userCount() {
    withLocalProperty("userCount");
    return this;
}

}

}

package com.softlayer.api.service.user.permission.group;

import com.softlayer.api.ApiClient;
import com.softlayer.api.ResponseHandler;
import com.softlayer.api.annotation.ApiMethod;
import com.softlayer.api.annotation.ApiProperty;
import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.Entity;
import com.softlayer.api.service.user.permission.Group;
import java.util.ArrayList;
import java.util.GregorianCalendar;
import java.util.List;
import java.util.concurrent.Future;

/**
 * @see <a
 href="http://sldn.softlayer.com/reference/datatypes/SoftLayer_User_Permission_Group_Type">SoftLayer_User_Pe
 rmission_Group_Type</a>
 */
@ApiType("SoftLayer_User_Permission_Group_Type")
public class Type extends Entity {

    @ApiProperty
    protected List<Group> groups;

```

```

public List<Group> getGroups() {
    if (groups == null) {
        groups = new ArrayList<Group>();
    }
    return groups;
}

@ApiProperty(canBeNullOrNotSet = true)
protected GregorianCalendar createDate;

public GregorianCalendar getCreateDate() {
    return createDate;
}

public void setCreateDate(GregorianCalendar createDate) {
    createDateSpecified = true;
    this.createDate = createDate;
}

protected boolean createDateSpecified;

public boolean isCreateDateSpecified() {
    return createDateSpecified;
}

public void unsetCreateDate() {
    createDate = null;
    createDateSpecified = false;
}

@ApiProperty(canBeNullOrNotSet = true)
protected Long id;

public Long getId() {
    return id;
}

public void setId(Long id) {
    idSpecified = true;
    this.id = id;
}

protected boolean idSpecified;

public boolean isIdSpecified() {
    return idSpecified;
}

```

```

public void unsetId() {
    id = null;
    idSpecified = false;
}

@ApiProperty(canBeNullOrNotSet = true)
protected String keyName;

public String getKeyName() {
    return keyName;
}

public void setKeyName(String keyName) {
    keyNameSpecified = true;
    this.keyName = keyName;
}

protected boolean keyNameSpecified;

public boolean isKeyNameSpecified() {
    return keyNameSpecified;
}

public void unsetKeyName() {
    keyName = null;
    keyNameSpecified = false;
}

@ApiProperty(canBeNullOrNotSet = true)
protected GregorianCalendar modifyDate;

public GregorianCalendar getModifyDate() {
    return modifyDate;
}

public void setModifyDate(GregorianCalendar modifyDate) {
    modifyDateSpecified = true;
    this.modifyDate = modifyDate;
}

protected boolean modifyDateSpecified;

public boolean isModifyDateSpecified() {
    return modifyDateSpecified;
}

public void unsetModifyDate() {

```



```

    modifyDate = null;
    modifyDateSpecified = false;
}

@ApiProperty(canBeNullOrNotSet = true)
protected String name;

public String getName() {
    return name;
}

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

protected boolean nameSpecified;

public boolean isNameSpecified() {
    return nameSpecified;
}

public void unsetName() {
    name = null;
    nameSpecified = false;
}

/**
 * A count of
 */
@ApiProperty
protected Long groupCount;

public Long getGroupCount() {
    return groupCount;
}

public void setGroupCount(Long groupCount) {
    this.groupCount = groupCount;
}

public Service asService(ApiClient client) {
    return service(client, id);
}

public static Service service(ApiClient client) {
    return client.createService(Service.class, null);
}

```

```

public static Service service(ApiClient client, Long id) {
    return client.createService(Service.class, id == null ? null : id.toString());
}

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group_Type">SoftLayer_User_Per
mission_Group_Type</a>
 */
@com.softlayer.api.annotation.ApiService("SoftLayer_User_Permission_Group_Type")
public static interface Service extends com.softlayer.api.Service {

    public ServiceAsync asAsync();
    public Mask withNewMask();
    public Mask withMask();
    public void setMask(Mask mask);

    /**
     * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group_Type/getObject">SoftLayer_
User_Permission_Group_Type::getObject</a>
     */
    @ApiMethod(instanceRequired = true)
    public Type getObject();

    /**
     * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group_Type/getGroups">SoftLayer_
_User_Permission_Group_Type::getGroups</a>
     */
    @ApiMethod(instanceRequired = true)
    public List<Group> getGroups();

}

public static interface ServiceAsync extends com.softlayer.api.ServiceAsync {

    public Mask withNewMask();
    public Mask withMask();
    public void setMask(Mask mask);

    /**
     * Async version of { @link Service#getObject }
     */
    public Future<Type> getObject();

    public Future<?> getObject(ResponseHandler<Type> callback);
}

```

```

/**
 * Async version of { @link Service#getGroups }
 */
public Future<List<Group>> getGroups();

/**
 * Async callback version of { @link Service#getGroups }
 */
public Future<?> getGroups(ResponseHandler<List<Group>> callback);
}

public static class Mask extends com.softlayer.api.service.Entity.Mask {

    public com.softlayer.api.service.user.permission.Group.Mask groups() {
        return withSubMask("groups", com.softlayer.api.service.user.permission.Group.Mask.class);
    }

    public Mask createDate() {
        withLocalProperty("createDate");
        return this;
    }

    public Mask id() {
        withLocalProperty("id");
        return this;
    }

    public Mask keyName() {
        withLocalProperty("keyName");
        return this;
    }

    public Mask modifyDate() {
        withLocalProperty("modifyDate");
        return this;
    }

    public Mask name() {
        withLocalProperty("name");
        return this;
    }

    public Mask groupCount() {
        withLocalProperty("groupCount");
        return this;
    }
}

```

```

    }

}
package com.softlayer.api.service.user.permission;

import com.softlayer.api.ApiClient;
import com.softlayer.api.ResponseHandler;
import com.softlayer.api.annotation.ApiMethod;
import com.softlayer.api.annotation.ApiProperty;
import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.Account;
import com.softlayer.api.service.Entity;
import com.softlayer.api.service.user.permission.Action;
import com.softlayer.api.service.user.permission.Role;
import com.softlayer.api.service.user.permission.group.Type;
import java.util.ArrayList;
import java.util.GregorianCalendar;
import java.util.List;
import java.util.concurrent.Future;

/**
 * @see <a
 href="http://sldn.softlayer.com/reference/datatypes/SoftLayer_User_Permission_Group">SoftLayer_User_Permissi
 on_Group</a>
 */
@ApiType("SoftLayer_User_Permission_Group")
public class Group extends Entity {

    @ApiProperty
    protected Account account;

    public Account getAccount() {
        return account;
    }

    public void setAccount(Account account) {
        this.account = account;
    }

    @ApiProperty
    protected List<Action> actions;

    public List<Action> getActions() {
        if (actions == null) {
            actions = new ArrayList<Action>();
        }
        return actions;
    }
}

```

```

}

@ApiProperty
protected List<Role> roles;

public List<Role> getRoles() {
    if (roles == null) {
        roles = new ArrayList<Role>();
    }
    return roles;
}

/**
 * The type of the permission group.
 */
@ApiProperty
protected Type type;

public Type getType() {
    return type;
}

public void setType(Type type) {
    this.type = type;
}

/**
 * A permission groups associated [[SoftLayer_Account|customer account]] id.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long accountId;

public Long getAccountId() {
    return accountId;
}

public void setAccountId(Long accountId) {
    accountIdSpecified = true;
    this.accountId = accountId;
}

protected boolean accountIdSpecified;

public boolean isAccountIdSpecified() {
    return accountIdSpecified;
}

public void unsetAccountId() {

```

```

    accountId = null;
    accountIdSpecified = false;
}

/**
 * The date the permission group record was created.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected GregorianCalendar createDate;

public GregorianCalendar getCreateDate() {
    return createDate;
}

public void setCreateDate(GregorianCalendar createDate) {
    createDateSpecified = true;
    this.createDate = createDate;
}

protected boolean createDateSpecified;

public boolean isCreateDateSpecified() {
    return createDateSpecified;
}

public void unsetCreateDate() {
    createDate = null;
    createDateSpecified = false;
}

/**
 * The description of the permission group.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected String description;

public String getDescription() {
    return description;
}

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

protected boolean descriptionSpecified;

public boolean isDescriptionSpecified() {

```

```

    return descriptionSpecified;
}

public void unsetDescription() {
    description = null;
    descriptionSpecified = false;
}

/**
 * The date the temporary group will be destroyed.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected GregorianCalendar expirationDate;

public GregorianCalendar getExpirationDate() {
    return expirationDate;
}

public void setExpirationDate(GregorianCalendar expirationDate) {
    expirationDateSpecified = true;
    this.expirationDate = expirationDate;
}

protected boolean expirationDateSpecified;

public boolean isExpirationDateSpecified() {
    return expirationDateSpecified;
}

public void unsetExpirationDate() {
    expirationDate = null;
    expirationDateSpecified = false;
}

/**
 * A permission groups internal identifying number.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long id;

public Long getId() {
    return id;
}

public void setId(Long id) {
    idSpecified = true;
    this.id = id;
}

```

```

protected boolean idSpecified;

public boolean isIdSpecified() {
    return idSpecified;
}

public void unsetId() {
    id = null;
    idSpecified = false;
}

/**
 * The date the permission group record was last modified.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected GregorianCalendar modifyDate;

public GregorianCalendar getModifyDate() {
    return modifyDate;
}

public void setModifyDate(GregorianCalendar modifyDate) {
    modifyDateSpecified = true;
    this.modifyDate = modifyDate;
}

protected boolean modifyDateSpecified;

public boolean isModifyDateSpecified() {
    return modifyDateSpecified;
}

public void unsetModifyDate() {
    modifyDate = null;
    modifyDateSpecified = false;
}

/**
 * The name of the permission group.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected String name;

public String getName() {
    return name;
}

```



```

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

protected boolean nameSpecified;

public boolean isNameSpecified() {
    return nameSpecified;
}

public void unsetName() {
    name = null;
    nameSpecified = false;
}

/**
 * The type of permission group.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long typeId;

public Long getTypeId() {
    return typeId;
}

public void setTypeId(Long typeId) {
    typeIdSpecified = true;
    this.typeId = typeId;
}

protected boolean typeIdSpecified;

public boolean isTypeIdSpecified() {
    return typeIdSpecified;
}

public void unsetTypeId() {
    typeId = null;
    typeIdSpecified = false;
}

/**
 * A count of
 */
@ApiProperty
protected Long actionCount;

```

```

public Long getActionCount() {
    return actionCount;
}

public void setActionCount(Long actionCount) {
    this.actionCount = actionCount;
}

/**
 * A count of
 */
@ApiProperty
protected Long roleCount;

public Long getRoleCount() {
    return roleCount;
}

public void setRoleCount(Long roleCount) {
    this.roleCount = roleCount;
}

public Service asService(ApiClient client) {
    return service(client, id);
}

public static Service service(ApiClient client) {
    return client.createService(Service.class, null);
}

public static Service service(ApiClient client, Long id) {
    return client.createService(Service.class, id == null ? null : id.toString());
}

/**
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group">SoftLayer_User_Permissio
n_Group</a>
 */
@com.softlayer.api.annotation.ApiService("SoftLayer_User_Permission_Group")
public static interface Service extends com.softlayer.api.Service {

    public ServiceAsync asAsync();
    public Mask withNewMask();
    public Mask withMask();
    public void setMask(Mask mask);

}

```

```

    * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/addAction">SoftLayer_User
_Permission_Group::addAction</a>
    */
    @ApiMethod(instanceRequired = true)
    public Void addAction(Action action);

/**
    * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/addBulkActions">SoftLayer_
User_Permission_Group::addBulkActions</a>
    */
    @ApiMethod(instanceRequired = true)
    public Void addBulkActions(List<Action> actions);

/**
    * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/addBulkResourceObjects">S
oftLayer_User_Permission_Group::addBulkResourceObjects</a>
    */
    @ApiMethod(instanceRequired = true)
    public Boolean addBulkResourceObjects(List<Entity> resourceObjects, String resourceTypeKeyName);

/**
    * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/addResourceObject">SoftLa
yer_User_Permission_Group::addResourceObject</a>
    */
    @ApiMethod(instanceRequired = true)
    public Boolean addResourceObject(Entity resourceObject, String resourceTypeKeyName);

/**
    * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/createObject">SoftLayer_Us
er_Permission_Group::createObject</a>
    */
    @ApiMethod
    public Group createObject(Group templateObject);

/**
    * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/deleteObject">SoftLayer_Us
er_Permission_Group::deleteObject</a>
    */
    @ApiMethod(instanceRequired = true)
    public Boolean deleteObject();

/**

```

```

    * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/editObject">SoftLayer_User
_Permission_Group::editObject</a>
    */
    @ApiMethod(instanceRequired = true)
    public Group editObject(Group templateObject);

    /**
    * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/getObject">SoftLayer_User
_Permission_Group::getObject</a>
    */
    @ApiMethod(instanceRequired = true)
    public Group getObject();

    /**
    * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/linkRole">SoftLayer_User_P
ermission_Group::linkRole</a>
    */
    @ApiMethod(instanceRequired = true)
    public Void linkRole(Role role);

    /**
    * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/removeAction">SoftLayer_U
ser_Permission_Group::removeAction</a>
    */
    @ApiMethod(instanceRequired = true)
    public Void removeAction(Action action);

    /**
    * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/removeBulkActions">SoftLa
yer_User_Permission_Group::removeBulkActions</a>
    */
    @ApiMethod(instanceRequired = true)
    public Void removeBulkActions(List<Action> actions);

    /**
    * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/removeBulkResourceObjects
">SoftLayer_User_Permission_Group::removeBulkResourceObjects</a>
    */
    @ApiMethod(instanceRequired = true)
    public Boolean removeBulkResourceObjects(List<Entity> resourceObjects, String resourceTypeKeyName);

    /**

```

```

    * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/removeResourceObject">SoftLayer_User_Permission_Group::removeResourceObject</a>
    */
    @ApiMethod(instanceRequired = true)
    public Boolean removeResourceObject(Entity resourceObject, String resourceTypeKeyName);

/**
    * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/unlinkRole">SoftLayer_User_Permission_Group::unlinkRole</a>
    */
    @ApiMethod(instanceRequired = true)
    public Void unlinkRole(Role role);

/**
    * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/getAccount">SoftLayer_User_Permission_Group::getAccount</a>
    */
    @ApiMethod(instanceRequired = true)
    public Account getAccount();

/**
    * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/getActions">SoftLayer_User_Permission_Group::getActions</a>
    */
    @ApiMethod(instanceRequired = true)
    public List<Action> getActions();

/**
    * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/getRoles">SoftLayer_User_Permission_Group::getRoles</a>
    */
    @ApiMethod(instanceRequired = true)
    public List<Role> getRoles();

/**
    * The type of the permission group.
    *
    * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Permission_Group/getType">SoftLayer_User_Permission_Group::getType</a>
    */
    @ApiMethod(instanceRequired = true)
    public Type getType();

```

```

}

public static interface ServiceAsync extends com.softlayer.api.ServiceAsync {

    public Mask withNewMask();
    public Mask withMask();
    public void setMask(Mask mask);

    /**
     * Async version of { @link Service#addAction }
     */
    public Future<Void> addAction(Action action);

    public Future<?> addAction(Action action, ResponseHandler<Void> callback);

    /**
     * Async version of { @link Service#addBulkActions }
     */
    public Future<Void> addBulkActions(List<Action> actions);

    public Future<?> addBulkActions(List<Action> actions, ResponseHandler<Void> callback);

    /**
     * Async version of { @link Service#addBulkResourceObjects }
     */
    public Future<Boolean> addBulkResourceObjects(List<Entity> resourceObjects, String
resourceTypeKeyName);

    public Future<?> addBulkResourceObjects(List<Entity> resourceObjects, String resourceTypeKeyName,
ResponseHandler<Boolean> callback);

    /**
     * Async version of { @link Service#addResourceObject }
     */
    public Future<Boolean> addResourceObject(Entity resourceObject, String resourceTypeKeyName);

    public Future<?> addResourceObject(Entity resourceObject, String resourceTypeKeyName,
ResponseHandler<Boolean> callback);

    /**
     * Async version of { @link Service#createObject }
     */
    public Future<Group> createObject(Group templateObject);

    public Future<?> createObject(Group templateObject, ResponseHandler<Group> callback);

    /**

```

```

* Async version of { @link Service#deleteObject }
*/
public Future<Boolean> deleteObject();

public Future<?> deleteObject(ResponseHandler<Boolean> callback);

/**
* Async version of { @link Service#editObject }
*/
public Future<Group> editObject(Group templateObject);

public Future<?> editObject(Group templateObject, ResponseHandler<Group> callback);

/**
* Async version of { @link Service#getObject }
*/
public Future<Group> getObject();

public Future<?> getObject(ResponseHandler<Group> callback);

/**
* Async version of { @link Service#linkRole }
*/
public Future<Void> linkRole(Role role);

public Future<?> linkRole(Role role, ResponseHandler<Void> callback);

/**
* Async version of { @link Service#removeAction }
*/
public Future<Void> removeAction(Action action);

public Future<?> removeAction(Action action, ResponseHandler<Void> callback);

/**
* Async version of { @link Service#removeBulkActions }
*/
public Future<Void> removeBulkActions(List<Action> actions);

public Future<?> removeBulkActions(List<Action> actions, ResponseHandler<Void> callback);

/**
* Async version of { @link Service#removeBulkResourceObjects }
*/
public Future<Boolean> removeBulkResourceObjects(List<Entity> resourceObjects, String
resourceTypeKeyName);

public Future<?> removeBulkResourceObjects(List<Entity> resourceObjects, String resourceTypeKeyName,

```

```
ResponseHandler<Boolean> callback);
```

```
/**
```

```
 * Async version of { @link Service#removeResourceObject }
```

```
 */
```

```
public Future<Boolean> removeResourceObject(Entity resourceObject, String resourceTypeKeyName);
```

```
public Future<?> removeResourceObject(Entity resourceObject, String resourceTypeKeyName,  
ResponseHandler<Boolean> callback);
```

```
/**
```

```
 * Async version of { @link Service#unlinkRole }
```

```
 */
```

```
public Future<Void> unlinkRole(Role role);
```

```
public Future<?> unlinkRole(Role role, ResponseHandler<Void> callback);
```

```
/**
```

```
 * Async version of { @link Service#getAccount }
```

```
 */
```

```
public Future<Account> getAccount();
```

```
/**
```

```
 * Async callback version of { @link Service#getAccount }
```

```
 */
```

```
public Future<?> getAccount(ResponseHandler<Account> callback);
```

```
/**
```

```
 * Async version of { @link Service#getActions }
```

```
 */
```

```
public Future<List<Action>> getActions();
```

```
/**
```

```
 * Async callback version of { @link Service#getActions }
```

```
 */
```

```
public Future<?> getActions(ResponseHandler<List<Action>> callback);
```

```
/**
```

```
 * Async version of { @link Service#getRoles }
```

```
 */
```

```
public Future<List<Role>> getRoles();
```

```
/**
```

```
 * Async callback version of { @link Service#getRoles }
```

```
 */
```

```
public Future<?> getRoles(ResponseHandler<List<Role>> callback);
```

```
/**
```



```

    * Async version of { @link Service#getType}
    */
    public Future<Type> getType();

    /**
     * Async callback version of { @link Service#getType}
     */
    public Future<?> getType(ResponseHandler<Type> callback);

}

public static class Mask extends com.softlayer.api.service.Entity.Mask {

    public com.softlayer.api.service.Account.Mask account() {
        return withSubMask("account", com.softlayer.api.service.Account.Mask.class);
    }

    public Action.Mask actions() {
        return withSubMask("actions", Action.Mask.class);
    }

    public Role.Mask roles() {
        return withSubMask("roles", Role.Mask.class);
    }

    public com.softlayer.api.service.user.permission.group.Type.Mask type() {
        return withSubMask("type", com.softlayer.api.service.user.permission.group.Type.Mask.class);
    }

    public Mask accountId() {
        withLocalProperty("accountId");
        return this;
    }

    public Mask createDate() {
        withLocalProperty("createDate");
        return this;
    }

    public Mask description() {
        withLocalProperty("description");
        return this;
    }

    public Mask expirationDate() {
        withLocalProperty("expirationDate");
        return this;
    }

}

```

```

public Mask id() {
    withLocalProperty("id");
    return this;
}

public Mask modifyDate() {
    withLocalProperty("modifyDate");
    return this;
}

public Mask name() {
    withLocalProperty("name");
    return this;
}

public Mask typeId() {
    withLocalProperty("typeId");
    return this;
}

public Mask actionCount() {
    withLocalProperty("actionCount");
    return this;
}

public Mask roleCount() {
    withLocalProperty("roleCount");
    return this;
}

}

}

package com.softlayer.api.service.user.customer.customerpermission;

import com.softlayer.api.ApiClient;
import com.softlayer.api.ResponseHandler;
import com.softlayer.api.annotation.ApiMethod;
import com.softlayer.api.annotation.ApiProperty;
import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.Entity;
import java.util.List;
import java.util.concurrent.Future;

/**
 * Each SoftLayer portal account is assigned a series of permissions that determine what access the user has to
 * functions within the SoftLayer customer portal. This status is reflected in the SoftLayer_User_Customer_Status data

```

type. Permissions differ from user status in that user status applies globally to the portal while user permissions are applied to specific portal functions.

*

* @see SoftLayer_User_Customer_CustomerPermission_Permission

*/

@ApiType("SoftLayer_User_Customer_CustomerPermission_Permission")

public class Permission extends Entity {

/**

* A user permission's short name.

*/

@ApiModelProperty(canBeNullOrNotSet = true)

protected String key;

```
public String getKey() {
    return key;
}
```

```
public void setKey(String key) {
    keySpecified = true;
    this.key = key;
}
```

protected boolean keySpecified;

```
public boolean isKeySpecified() {
    return keySpecified;
}
```

```
public void unsetKey() {
    key = null;
    keySpecified = false;
}
```

/**

* A user permission's key name.

*/

@ApiModelProperty(canBeNullOrNotSet = true)

protected String keyName;

```
public String getKeyName() {
    return keyName;
}
```

```
public void setKeyName(String keyName) {
    keyNameSpecified = true;
}
```

```

        this.keyName = keyName;
    }

    protected boolean keyNameSpecified;

    public boolean isKeyNameSpecified() {
        return keyNameSpecified;
    }

    public void unsetKeyName() {
        keyName = null;
        keyNameSpecified = false;
    }

    /**
     * A user permission's name.
     */
    @ApiProperty(canBeNullOrNotSet = true)
    protected String name;

    public String getName() {
        return name;
    }

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

    protected boolean nameSpecified;

    public boolean isNameSpecified() {
        return nameSpecified;
    }

    public void unsetName() {
        name = null;
        nameSpecified = false;
    }

    public static Service service(ApiClient client) {
        return client.createService(Service.class, null);
    }

    /**
     * Portal account users who are not the master user (account owner) have permissions to allow them access to
     * portal functionalities.
     */

```

```

* @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Customer_CustomerPermission_Permission">SoftLayer_User_Customer_CustomerPermission_Permission</a>
*/
@com.softlayer.api.annotation.ApiService("SoftLayer_User_Customer_CustomerPermission_Permission")
public static interface Service extends com.softlayer.api.Service {

    public ServiceAsync asAsync();
    public Mask withNewMask();
    public Mask withMask();
    public void setMask(Mask mask);

    /**
     * Retrieve all available permissions.
     *
     * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Customer_CustomerPermission_Permission/getAllObjects">SoftLayer_User_Customer_CustomerPermission_Permission::getAllObjects</a>
     */
    @ApiMethod
    public List<Permission> getAllObjects();

    /**
     * getObject retrieves the SoftLayer_User_Customer_CustomerPermission_Permission object whose ID number
     corresponds to the ID number of the init parameter passed to the
     SoftLayer_User_Customer_CustomerPermission_Permission service.
     *
     * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_User_Customer_CustomerPermission_Permission/getObject">SoftLayer_User_Customer_CustomerPermission_Permission::getObject</a>
     */
    @ApiMethod(instanceRequired = true)
    public Permission getObject();

}

public static interface ServiceAsync extends com.softlayer.api.ServiceAsync {

    public Mask withNewMask();
    public Mask withMask();
    public void setMask(Mask mask);

    /**
     * Async version of { @link Service#getAllObjects }
     */
    public Future<List<Permission>> getAllObjects();

    public Future<?> getAllObjects(ResponseHandler<List<Permission>> callback);

```

```

/**
 * Async version of { @link Service#getObject }
 */
public Future<Permission> getObject();

public Future<?> getObject(ResponseHandler<Permission> callback);

}

public static class Mask extends com.softlayer.api.service.Entity.Mask {

    public Mask key() {
        withLocalProperty("key");
        return this;
    }

    public Mask keyName() {
        withLocalProperty("keyName");
        return this;
    }

    public Mask name() {
        withLocalProperty("name");
        return this;
    }

}

}

package com.softlayer.api.service.billing.item.software;

import com.softlayer.api.annotation.ApiProperty;
import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.billing.Item;
import com.softlayer.api.service.software.AccountLicense;

/**
 * The SoftLayer_Billing_Item_Software_License data type contains general information relating to a single
 * SoftLayer billing item for a software license.
 *
 * @see <a
 href="http://sldn.softlayer.com/reference/datatypes/SoftLayer_Billing_Item_Software_License">SoftLayer_Billing_
 Item_Software_License</a>
 */
@ApiType("SoftLayer_Billing_Item_Software_License")
public class License extends Item {

```

```

/**
 * The resource for a software license billing item.
 */
@ApiProperty
protected AccountLicense resource;

public AccountLicense getResource() {
    return resource;
}

public void setResource(AccountLicense resource) {
    this.resource = resource;
}

public static class Mask extends com.softlayer.api.service.billing.Item.Mask {

    public com.softlayer.api.service.software.AccountLicense.Mask resource() {
        return withSubMask("resource", com.softlayer.api.service.software.AccountLicense.Mask.class);
    }

}

}
package com.softlayer.api.service.software;

import com.softlayer.api.ApiClient;
import com.softlayer.api.ResponseHandler;
import com.softlayer.api.annotation.ApiMethod;
import com.softlayer.api.annotation.ApiProperty;
import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.Account;
import com.softlayer.api.service.Entity;
import com.softlayer.api.service.billing.Item;
import com.softlayer.api.service.software.Description;
import java.util.List;
import java.util.concurrent.Future;

/**
 * SoftLayer_Software_AccountLicense is a class that represents software licenses that are tied only to a customer's
 * account and not to any particular hardware, IP address, etc.
 *
 * @see <a
 href="http://sldn.softlayer.com/reference/datatypes/SoftLayer_Software_AccountLicense">SoftLayer_Software_Ac
 countLicense</a>
 */
@ApiType("SoftLayer_Software_AccountLicense")
public class AccountLicense extends Entity {

```

```

/**
 * The customer account this Account License belongs to.
 */
@ApiProperty
protected Account account;

public Account getAccount() {
    return account;
}

public void setAccount(Account account) {
    this.account = account;
}

/**
 * The billing item for a software account license.
 */
@ApiProperty
protected Item billingItem;

public Item getBillingItem() {
    return billingItem;
}

public void setBillingItem(Item billingItem) {
    this.billingItem = billingItem;
}

/**
 * The SoftLayer_Software_Description that this account license is for.
 */
@ApiProperty
protected Description softwareDescription;

public Description getSoftwareDescription() {
    return softwareDescription;
}

public void setSoftwareDescription(Description softwareDescription) {
    this.softwareDescription = softwareDescription;
}

/**
 * The ID of the SoftLayer Account to which this Account License belongs to.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long accountId;

```



```

public Long getAccountId() {
    return accountId;
}

public void setAccountId(Long accountId) {
    accountIdSpecified = true;
    this.accountId = accountId;
}

protected boolean accountIdSpecified;

public boolean isAccountIdSpecified() {
    return accountIdSpecified;
}

public void unsetAccountId() {
    accountId = null;
    accountIdSpecified = false;
}

/**
 * Some Account Licenses have capacity information such as CPU specified in the units key. This provides the
numerical representation of the capacity of the units.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected String capacity;

public String getCapacity() {
    return capacity;
}

public void setCapacity(String capacity) {
    capacitySpecified = true;
    this.capacity = capacity;
}

protected boolean capacitySpecified;

public boolean isCapacitySpecified() {
    return capacitySpecified;
}

public void unsetCapacity() {
    capacity = null;
    capacitySpecified = false;
}

/**

```

```

* The License Key for this specific Account License.
*/
@ApiProperty(canBeNullOrNotSet = true)
protected String key;

public String getKey() {
    return key;
}

public void setKey(String key) {
    keySpecified = true;
    this.key = key;
}

protected boolean keySpecified;

public boolean isKeySpecified() {
    return keySpecified;
}

public void unsetKey() {
    key = null;
    keySpecified = false;
}

/**
* The unit of measurement that an account license has the capacity of.
*/
@ApiProperty(canBeNullOrNotSet = true)
protected String units;

public String getUnits() {
    return units;
}

public void setUnits(String units) {
    unitsSpecified = true;
    this.units = units;
}

protected boolean unitsSpecified;

public boolean isUnitsSpecified() {
    return unitsSpecified;
}

public void unsetUnits() {
    units = null;
}

```

```

    unitsSpecified = false;
}

public static Service service(ApiClient client) {
    return client.createService(Service.class, null);
}

/**
 * SoftLayer_Software_AccountLicense is the application class that handles a special type of Software License.
Most software licenses are licensed to a specific hardware ID or IP address, this is tied to an account.
 *
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_Software_AccountLicense">SoftLayer_Software_Acc
ountLicense</a>
 */
@com.softlayer.api.annotation.ApiService("SoftLayer_Software_AccountLicense")
public static interface Service extends com.softlayer.api.Service {

    public ServiceAsync asAsync();
    public Mask withNewMask();
    public Mask withMask();
    public void setMask(Mask mask);

    /**
     * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_Software_AccountLicense/getAllObjects">SoftLayer_
Software_AccountLicense::getAllObjects</a>
     */
    @ApiMethod
    public List<AccountLicense> getAllObjects();

    /**
     * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_Software_AccountLicense/getObject">SoftLayer_So
ftware_AccountLicense::getObject</a>
     */
    @ApiMethod(instanceRequired = true)
    public AccountLicense getObject();

    /**
     * The customer account this Account License belongs to.
     *
     * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_Software_AccountLicense/getAccount">SoftLayer_So
ftware_AccountLicense::getAccount</a>
     */
    @ApiMethod(instanceRequired = true)
    public Account getAccount();
}

```

```

/**
 * The billing item for a software account license.
 *
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_Software_AccountLicense/getBillingItem">SoftLayer
_Software_AccountLicense::getBillingItem</a>
 */
@ApiMethod(instanceRequired = true)
public Item getBillingItem();

/**
 * The SoftLayer_Software_Description that this account license is for.
 *
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_Software_AccountLicense/getSoftwareDescription">S
oftLayer_Software_AccountLicense::getSoftwareDescription</a>
 */
@ApiMethod(instanceRequired = true)
public Description getSoftwareDescription();

}

public static interface ServiceAsync extends com.softlayer.api.ServiceAsync {

    public Mask withNewMask();
    public Mask withMask();
    public void setMask(Mask mask);

    /**
     * Async version of { @link Service#getAllObjects }
     */
    public Future<List<AccountLicense>> getAllObjects();

    public Future<?> getAllObjects(ResponseHandler<List<AccountLicense>> callback);

    /**
     * Async version of { @link Service#getObject }
     */
    public Future<AccountLicense> getObject();

    public Future<?> getObject(ResponseHandler<AccountLicense> callback);

    /**
     * Async version of { @link Service#getAccount }
     */
    public Future<Account> getAccount();

```

```

/**
 * Async callback version of { @link Service#getAccount }
 */
public Future<?> getAccount(ResponseHandler<Account> callback);

/**
 * Async version of { @link Service#getBillingItem }
 */
public Future<Item> getBillingItem();

/**
 * Async callback version of { @link Service#getBillingItem }
 */
public Future<?> getBillingItem(ResponseHandler<Item> callback);

/**
 * Async version of { @link Service#getSoftwareDescription }
 */
public Future<Description> getSoftwareDescription();

/**
 * Async callback version of { @link Service#getSoftwareDescription }
 */
public Future<?> getSoftwareDescription(ResponseHandler<Description> callback);
}

public static class Mask extends com.softlayer.api.service.Entity.Mask {

    public com.softlayer.api.service.Account.Mask account() {
        return withSubMask("account", com.softlayer.api.service.Account.Mask.class);
    }

    public com.softlayer.api.service.billing.Item.Mask billingItem() {
        return withSubMask("billingItem", com.softlayer.api.service.billing.Item.Mask.class);
    }

    public Description.Mask softwareDescription() {
        return withSubMask("softwareDescription", Description.Mask.class);
    }

    public Mask accountId() {
        withLocalProperty("accountId");
        return this;
    }

    public Mask capacity() {
        withLocalProperty("capacity");

```

```

        return this;
    }

    public Mask key() {
        withLocalProperty("key");
        return this;
    }

    public Mask units() {
        withLocalProperty("units");
        return this;
    }
}

}

package com.softlayer.api.service.software;

import com.softlayer.api.annotation.ApiProperty;
import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.Account;
import com.softlayer.api.service.Entity;
import com.softlayer.api.service.software.Description;

/**
 * This class describes a specific type of license, like a Microsoft Windows Site License, a GPL license, or a license
 * of another type.
 *
 * @see <a
 href="http://sldn.softlayer.com/reference/datatypes/SoftLayer_Software_License">SoftLayer_Software_License</a
 >
 */
@ApiType("SoftLayer_Software_License")
public class License extends Entity {

    /**
     * The account that owns this specific License instance.
     */
    @ApiProperty
    protected Account account;

    public Account getAccount() {
        return account;
    }

    public void setAccount(Account account) {
        this.account = account;
    }
}

```

```

/**
 * The account that owns this specific License instance.
 */
@ApiProperty
protected Account owner;

public Account getOwner() {
    return owner;
}

public void setOwner(Account owner) {
    this.owner = owner;
}

/**
 * A Description of the software that this license instance is valid for.
 */
@ApiProperty
protected Description softwareDescription;

public Description getSoftwareDescription() {
    return softwareDescription;
}

public void setSoftwareDescription(Description softwareDescription) {
    this.softwareDescription = softwareDescription;
}

/**
 * An ID number for this specific License type.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long id;

public Long getId() {
    return id;
}

public void setId(Long id) {
    idSpecified = true;
    this.id = id;
}

protected boolean idSpecified;

public boolean isIdSpecified() {
    return idSpecified;
}

```

```

}

public void unsetId() {
    id = null;
    idSpecified = false;
}

/**
 * The ID number of a Software Description that this specific license is valid for.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long softwareDescriptionId;

public Long getSoftwareDescriptionId() {
    return softwareDescriptionId;
}

public void setSoftwareDescriptionId(Long softwareDescriptionId) {
    softwareDescriptionIdSpecified = true;
    this.softwareDescriptionId = softwareDescriptionId;
}

protected boolean softwareDescriptionIdSpecified;

public boolean isSoftwareDescriptionIdSpecified() {
    return softwareDescriptionIdSpecified;
}

public void unsetSoftwareDescriptionId() {
    softwareDescriptionId = null;
    softwareDescriptionIdSpecified = false;
}

public static class Mask extends com.softlayer.api.service.Entity.Mask {

    public com.softlayer.api.service.Account.Mask account() {
        return withSubMask("account", com.softlayer.api.service.Account.Mask.class);
    }

    public com.softlayer.api.service.Account.Mask owner() {
        return withSubMask("owner", com.softlayer.api.service.Account.Mask.class);
    }

    public Description.Mask softwareDescription() {
        return withSubMask("softwareDescription", Description.Mask.class);
    }

    public Mask id() {

```



```

        withLocalProperty("id");
        return this;
    }

    public Mask softwareDescriptionId() {
        withLocalProperty("softwareDescriptionId");
        return this;
    }
}

}

package com.softlayer.api.service.software;

import com.softlayer.api.ApiClient;
import com.softlayer.api.ResponseHandler;
import com.softlayer.api.annotation.ApiMethod;
import com.softlayer.api.annotation.ApiProperty;
import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.Account;
import com.softlayer.api.service.Entity;
import com.softlayer.api.service.billing.Item;
import com.softlayer.api.service.hardware.Server;
import com.softlayer.api.service.network.Subnet;
import com.softlayer.api.service.network.subnet.IpAddress;
import com.softlayer.api.service.software.Description;
import java.util.concurrent.Future;

/**
 * SoftLayer_Software_VirtualLicense is the application class that handles a special type of Software License. Most
 * software licenses are licensed to a specific hardware ID; virtual licenses are designed for virtual machines and
 * therefore are assigned to an IP Address. Not all software packages can be "virtual licensed".
 *
 * @see <a
 href="http://sldn.softlayer.com/reference/datatypes/SoftLayer_Software_VirtualLicense">SoftLayer_Software_Virt
 ualLicense</a>
 */
@ApiType("SoftLayer_Software_VirtualLicense")
public class VirtualLicense extends Entity {

    /**
     * The customer account this Virtual License belongs to.
     */
    @ApiProperty
    protected Account account;

    public Account getAccount() {
        return account;
    }
}

```

```

}

public void setAccount(Account account) {
    this.account = account;
}

/**
 * The billing item for a software virtual license.
 */
@ApiProperty
protected Item billingItem;

public Item getBillingItem() {
    return billingItem;
}

public void setBillingItem(Item billingItem) {
    this.billingItem = billingItem;
}

/**
 * The hardware record to which the software virtual license is assigned.
 */
@ApiProperty
protected Server hostHardware;

public Server getHostHardware() {
    return hostHardware;
}

public void setHostHardware(Server hostHardware) {
    this.hostHardware = hostHardware;
}

/**
 * The IP Address record associated with a virtual license.
 */
@ApiProperty
protected IPAddress ipAddressRecord;

public IPAddress getIpAddressRecord() {
    return ipAddressRecord;
}

public void setIpAddressRecord(IPAddress ipAddressRecord) {
    this.ipAddressRecord = ipAddressRecord;
}

```

```

/**
 * The SoftLayer_Software_Description that this virtual license is for.
 */
@ApiProperty
protected Description softwareDescription;

public Description getSoftwareDescription() {
    return softwareDescription;
}

public void setSoftwareDescription(Description softwareDescription) {
    this.softwareDescription = softwareDescription;
}

/**
 * The subnet this Virtual License's IP address belongs to.
 */
@ApiProperty
protected Subnet subnet;

public Subnet getSubnet() {
    return subnet;
}

public void setSubnet(Subnet subnet) {
    this.subnet = subnet;
}

/**
 * The ID of the SoftLayer Account to which this Virtual License belongs to.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long accountId;

public Long getAccountId() {
    return accountId;
}

public void setAccountId(Long accountId) {
    accountIdSpecified = true;
    this.accountId = accountId;
}

protected boolean accountIdSpecified;

public boolean isAccountIdSpecified() {
    return accountIdSpecified;
}

```

```

public void unsetAccountId() {
    accountId = null;
    accountIdSpecified = false;
}

/**
 * The ID of the SoftLayer Hardware Server record to which this Virtual License belongs.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long hostHardwareId;

public Long getHostHardwareId() {
    return hostHardwareId;
}

public void setHostHardwareId(Long hostHardwareId) {
    hostHardwareIdSpecified = true;
    this.hostHardwareId = hostHardwareId;
}

protected boolean hostHardwareIdSpecified;

public boolean isHostHardwareIdSpecified() {
    return hostHardwareIdSpecified;
}

public void unsetHostHardwareId() {
    hostHardwareId = null;
    hostHardwareIdSpecified = false;
}

/**
 * An ID number for this Virtual License instance.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long id;

public Long getId() {
    return id;
}

public void setId(Long id) {
    idSpecified = true;
    this.id = id;
}

protected boolean idSpecified;

```

```

public boolean isIdSpecified() {
    return idSpecified;
}

public void unsetId() {
    id = null;
    idSpecified = false;
}

/**
 * The specific IP address this Virtual License belongs to.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected String ipAddress;

public String getIpAddress() {
    return ipAddress;
}

public void setIpAddress(String ipAddress) {
    ipAddressSpecified = true;
    this.ipAddress = ipAddress;
}

protected boolean ipAddressSpecified;

public boolean isIpAddressSpecified() {
    return ipAddressSpecified;
}

public void unsetIpAddress() {
    ipAddress = null;
    ipAddressSpecified = false;
}

/**
 * The License Key for this specific Virtual License.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected String key;

public String getKey() {
    return key;
}

public void setKey(String key) {
    keySpecified = true;
}

```

```

    this.key = key;
}

protected boolean keySpecified;

public boolean isKeySpecified() {
    return keySpecified;
}

public void unsetKey() {
    key = null;
    keySpecified = false;
}

/**
 * A "notes" string attached to this specific Virtual License.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected String notes;

public String getNotes() {
    return notes;
}

public void setNotes(String notes) {
    notesSpecified = true;
    this.notes = notes;
}

protected boolean notesSpecified;

public boolean isNotesSpecified() {
    return notesSpecified;
}

public void unsetNotes() {
    notes = null;
    notesSpecified = false;
}

/**
 * The Software Description ID this Virtual License is for.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long softwareDescriptionId;

public Long getSoftwareDescriptionId() {
    return softwareDescriptionId;
}

```

```

}

public void setSoftwareDescriptionId(Long softwareDescriptionId) {
    softwareDescriptionIdSpecified = true;
    this.softwareDescriptionId = softwareDescriptionId;
}

protected boolean softwareDescriptionIdSpecified;

public boolean isSoftwareDescriptionIdSpecified() {
    return softwareDescriptionIdSpecified;
}

public void unsetSoftwareDescriptionId() {
    softwareDescriptionId = null;
    softwareDescriptionIdSpecified = false;
}

/**
 * The ID of the SoftLayer Network Subnet this Virtual License belongs to.
 */
@ApiProperty(canBeNullOrNotSet = true)
protected Long subnetId;

public Long getSubnetId() {
    return subnetId;
}

public void setSubnetId(Long subnetId) {
    subnetIdSpecified = true;
    this.subnetId = subnetId;
}

protected boolean subnetIdSpecified;

public boolean isSubnetIdSpecified() {
    return subnetIdSpecified;
}

public void unsetSubnetId() {
    subnetId = null;
    subnetIdSpecified = false;
}

public Service asService(ApiClient client) {
    return service(client, id);
}

```

```

public static Service service(ApiClient client) {
    return client.createService(Service.class, null);
}

public static Service service(ApiClient client, Long id) {
    return client.createService(Service.class, id == null ? null : id.toString());
}

/**
 * SoftLayer_Software_VirtualLicense is the application class that handles a special type of Software License.
 * Most software licenses are licensed to a specific hardware ID; virtual licenses are designed for virtual machines and
 * therefore are assigned to an IP Address. Not all software packages can be "virtual licensed". <br />
 * <br />
 * SoftLayer_Software_VirtualLicense's service allows you to retrieve the hard-copy license file for a virtual
 * license, if one exists for your license instance. <br />
 * <br />
 * You can also retrieve the subnet that the IP to which a software virtual license is licensed upon exists in, as well
 * as the software description that this virtual license is for.
 *
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_Software_VirtualLicense">SoftLayer_Software_Virtu
allLicense</a>
 */
@com.softlayer.api.annotation.ApiService("SoftLayer_Software_VirtualLicense")
public static interface Service extends com.softlayer.api.Service {

    public ServiceAsync asAsync();
    public Mask withNewMask();
    public Mask withMask();
    public void setMask(Mask mask);

    /**
     * Attempt to retrieve the file associated with a virtual license, if such a file exists. If there is no file for this
     * virtual license, calling this method will either throw an exception or return false.
     *
     * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_Software_VirtualLicense/getLicenseFile">SoftLayer_
Software_VirtualLicense::getLicenseFile</a>
     */
    @ApiMethod(instanceRequired = true)
    public byte[] getLicenseFile();

    /**
     * getObject retrieves the SoftLayer_Software_VirtualLicense object whose ID number corresponds to the ID
     * number of the init parameter passed to the SoftLayer_Software_VirtualLicense service. You can only retrieve
     * Virtual Licenses assigned to your account number.
     *
     * @see <a

```



```

href="http://sldn.softlayer.com/reference/services/SoftLayer_Software_VirtualLicense/getObject">SoftLayer_Softw
are_VirtualLicense::getObject</a>
    */
    @ApiMethod(instanceRequired = true)
    public VirtualLicense getObject();

/**
 * The customer account this Virtual License belongs to.
 *
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_Software_VirtualLicense/getAccount">SoftLayer_Softw
are_VirtualLicense::getAccount</a>
    */
    @ApiMethod(instanceRequired = true)
    public Account getAccount();

/**
 * The billing item for a software virtual license.
 *
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_Software_VirtualLicense/getBillingItem">SoftLayer_
Software_VirtualLicense::getBillingItem</a>
    */
    @ApiMethod(instanceRequired = true)
    public Item getBillingItem();

/**
 * The hardware record to which the software virtual license is assigned.
 *
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_Software_VirtualLicense/getHostHardware">SoftLaye
r_Software_VirtualLicense::getHostHardware</a>
    */
    @ApiMethod(instanceRequired = true)
    public Server getHostHardware();

/**
 * The IP Address record associated with a virtual license.
 *
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_Software_VirtualLicense/getIpAddressRecord">SoftL
ayer_Software_VirtualLicense::getIpAddressRecord</a>
    */
    @ApiMethod(instanceRequired = true)
    public IpAddress getIpAddressRecord();

/**
 * The SoftLayer_Software_Description that this virtual license is for.

```

```

*
* @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_VirtualLicense/getSoftwareDescription">SoftLayer_VirtualLicense::getSoftwareDescription</a>
*/
@ApiMethod(instanceRequired = true)
public Description getSoftwareDescription();

/**
 * The subnet this Virtual License's IP address belongs to.
 *
 * @see <a
href="http://sldn.softlayer.com/reference/services/SoftLayer_VirtualLicense/getSubnet">SoftLayer_Software_VirtualLicense::getSubnet</a>
*/
@ApiMethod(instanceRequired = true)
public Subnet getSubnet();

}

public static interface ServiceAsync extends com.softlayer.api.ServiceAsync {

    public Mask withNewMask();
    public Mask withMask();
    public void setMask(Mask mask);

    /**
     * Async version of { @link Service#getLicenseFile }
     */
    public Future<byte[]> getLicenseFile();

    public Future<?> getLicenseFile(ResponseHandler<byte[]> callback);

    /**
     * Async version of { @link Service#getObject }
     */
    public Future<VirtualLicense> getObject();

    public Future<?> getObject(ResponseHandler<VirtualLicense> callback);

    /**
     * Async version of { @link Service#getAccount }
     */
    public Future<Account> getAccount();

    /**
     * Async callback version of { @link Service#getAccount }
     */

```

```

public Future<?> getAccount(ResponseHandler<Account> callback);

/**
 * Async version of { @link Service#getBillingItem }
 */
public Future<Item> getBillingItem();

/**
 * Async callback version of { @link Service#getBillingItem }
 */
public Future<?> getBillingItem(ResponseHandler<Item> callback);

/**
 * Async version of { @link Service#getHostHardware }
 */
public Future<Server> getHostHardware();

/**
 * Async callback version of { @link Service#getHostHardware }
 */
public Future<?> getHostHardware(ResponseHandler<Server> callback);

/**
 * Async version of { @link Service#getIpAddressRecord }
 */
public Future<IpAddress> getIpAddressRecord();

/**
 * Async callback version of { @link Service#getIpAddressRecord }
 */
public Future<?> getIpAddressRecord(ResponseHandler<IpAddress> callback);

/**
 * Async version of { @link Service#getSoftwareDescription }
 */
public Future<Description> getSoftwareDescription();

/**
 * Async callback version of { @link Service#getSoftwareDescription }
 */
public Future<?> getSoftwareDescription(ResponseHandler<Description> callback);

/**
 * Async version of { @link Service#getSubnet }
 */
public Future<Subnet> getSubnet();

/**

```

```

    * Async callback version of { @link Service#getSubnet }
    */
    public Future<?> getSubnet(ResponseHandler<Subnet> callback);

}

public static class Mask extends com.softlayer.api.service.Entity.Mask {

    public com.softlayer.api.service.Account.Mask account() {
        return withSubMask("account", com.softlayer.api.service.Account.Mask.class);
    }

    public com.softlayer.api.service.billing.Item.Mask billingItem() {
        return withSubMask("billingItem", com.softlayer.api.service.billing.Item.Mask.class);
    }

    public com.softlayer.api.service.hardware.Server.Mask hostHardware() {
        return withSubMask("hostHardware", com.softlayer.api.service.hardware.Server.Mask.class);
    }

    public com.softlayer.api.service.network.subnet.IpAddress.Mask ipAddressRecord() {
        return withSubMask("ipAddressRecord", com.softlayer.api.service.network.subnet.IpAddress.Mask.class);
    }

    public Description.Mask softwareDescription() {
        return withSubMask("softwareDescription", Description.Mask.class);
    }

    public com.softlayer.api.service.network.Subnet.Mask subnet() {
        return withSubMask("subnet", com.softlayer.api.service.network.Subnet.Mask.class);
    }

    public Mask accountId() {
        withLocalProperty("accountId");
        return this;
    }

    public Mask hostHardwareId() {
        withLocalProperty("hostHardwareId");
        return this;
    }

    public Mask id() {
        withLocalProperty("id");
        return this;
    }

    public Mask ipAddress() {

```

```

        withLocalProperty("ipAddress");
        return this;
    }

    public Mask key() {
        withLocalProperty("key");
        return this;
    }

    public Mask notes() {
        withLocalProperty("notes");
        return this;
    }

    public Mask softwareDescriptionId() {
        withLocalProperty("softwareDescriptionId");
        return this;
    }

    public Mask subnetId() {
        withLocalProperty("subnetId");
        return this;
    }
}

}

package com.softlayer.api.service.legal;

import com.softlayer.api.annotation.ApiProperty;
import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.Account;
import com.softlayer.api.service.Entity;
import com.softlayer.api.service.legal.regulatedworkload.Type;

/**
 * @see <a
 href="http://sldn.softlayer.com/reference/datatypes/SoftLayer_Legal_RegulatedWorkload">SoftLayer_Legal_Regul
 atedWorkload</a>
 */
@ApiType("SoftLayer_Legal_RegulatedWorkload")
public class RegulatedWorkload extends Entity {

    @ApiProperty
    protected Account account;

    public Account getAccount() {
        return account;
    }
}

```

```

}

public void setAccount(Account account) {
    this.account = account;
}

@ApiProperty
protected Type type;

public Type getType() {
    return type;
}

public void setType(Type type) {
    this.type = type;
}

@ApiProperty(canBeNullOrNotSet = true)
protected Long accountId;

public Long getAccountId() {
    return accountId;
}

public void setAccountId(Long accountId) {
    accountIdSpecified = true;
    this.accountId = accountId;
}

protected boolean accountIdSpecified;

public boolean isAccountIdSpecified() {
    return accountIdSpecified;
}

public void unsetAccountId() {
    accountId = null;
    accountIdSpecified = false;
}

@ApiProperty(canBeNullOrNotSet = true)
protected Boolean enabledFlag;

public Boolean getEnabledFlag() {
    return enabledFlag;
}

public void setEnabledFlag(Boolean enabledFlag) {

```

```

        enabledFlagSpecified = true;
        this.enabledFlag = enabledFlag;
    }

    protected boolean enabledFlagSpecified;

    public boolean isEnabledFlagSpecified() {
        return enabledFlagSpecified;
    }

    public void unsetEnabledFlag() {
        enabledFlag = null;
        enabledFlagSpecified = false;
    }

    @ApiProperty(canBeNullOrNotSet = true)
    protected Long id;

    public Long getId() {
        return id;
    }

    public void setId(Long id) {
        idSpecified = true;
        this.id = id;
    }

    protected boolean idSpecified;

    public boolean isIdSpecified() {
        return idSpecified;
    }

    public void unsetId() {
        id = null;
        idSpecified = false;
    }

    @ApiProperty(canBeNullOrNotSet = true)
    protected Long workloadTypeId;

    public Long getWorkloadTypeId() {
        return workloadTypeId;
    }

    public void setWorkloadTypeId(Long workloadTypeId) {
        workloadTypeIdSpecified = true;
        this.workloadTypeId = workloadTypeId;
    }

```

```

    }

    protected boolean workloadTypeIdSpecified;

    public boolean isWorkloadTypeIdSpecified() {
        return workloadTypeIdSpecified;
    }

    public void unsetWorkloadTypeId() {
        workloadTypeId = null;
        workloadTypeIdSpecified = false;
    }

    public static class Mask extends com.softlayer.api.service.Entity.Mask {

        public com.softlayer.api.service.Account.Mask account() {
            return withSubMask("account", com.softlayer.api.service.Account.Mask.class);
        }

        public com.softlayer.api.service.legal.regulatedworkload.Type.Mask type() {
            return withSubMask("type", com.softlayer.api.service.legal.regulatedworkload.Type.Mask.class);
        }

        public Mask accountId() {
            withLocalProperty("accountId");
            return this;
        }

        public Mask enabledFlag() {
            withLocalProperty("enabledFlag");
            return this;
        }

        public Mask id() {
            withLocalProperty("id");
            return this;
        }

        public Mask workloadTypeId() {
            withLocalProperty("workloadTypeId");
            return this;
        }

    }

}

package com.softlayer.api.service.legal.regulatedworkload;

```



```

import com.softlayer.api.annotation.ApiProperty;
import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.Entity;

/**
 * @see <a
 href="http://sldn.softlayer.com/reference/datatypes/SoftLayer_Legal_RegulatedWorkload_Type">SoftLayer_Legal
_RegulatedWorkload_Type</a>
 */
@ApiType("SoftLayer_Legal_RegulatedWorkload_Type")
public class Type extends Entity {

    @ApiProperty(canBeNullOrNotSet = true)
    protected Long id;

    public Long getId() {
        return id;
    }

    public void setId(Long id) {
        idSpecified = true;
        this.id = id;
    }

    protected boolean idSpecified;

    public boolean isIdSpecified() {
        return idSpecified;
    }

    public void unsetId() {
        id = null;
        idSpecified = false;
    }

    @ApiProperty(canBeNullOrNotSet = true)
    protected String keyName;

    public String getKeyName() {
        return keyName;
    }

    public void setKeyName(String keyName) {
        keyNameSpecified = true;
        this.keyName = keyName;
    }

    protected boolean keyNameSpecified;

```

```

public boolean isKeyNameSpecified() {
    return keyNameSpecified;
}

public void unsetKeyName() {
    keyName = null;
    keyNameSpecified = false;
}

@ApiProperty(canBeNullOrNotSet = true)
protected String name;

public String getName() {
    return name;
}

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

protected boolean nameSpecified;

public boolean isNameSpecified() {
    return nameSpecified;
}

public void unsetName() {
    name = null;
    nameSpecified = false;
}

public static class Mask extends com.softlayer.api.service.Entity.Mask {

    public Mask id() {
        withLocalProperty("id");
        return this;
    }

    public Mask keyName() {
        withLocalProperty("keyName");
        return this;
    }

    public Mask name() {
        withLocalProperty("name");
        return this;
    }
}

```

```

    }

}

}
package com.softlayer.api.service.container.product.order.software;

import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.container.product.Order;

/**
 * This is the datatype that needs to be populated and sent to SoftLayer_Product_Order::placeOrder. This datatype
 * has everything required to place a hardware security module order with SoftLayer.
 *
 * @see <a
 href="http://sldn.softlayer.com/reference/datatypes/SoftLayer_Container_Product_Order_Software_License">SoftL
 ayer_Container_Product_Order_Software_License</a>
 */
@ApiType("SoftLayer_Container_Product_Order_Software_License")
public class License extends Order {

    public static class Mask extends com.softlayer.api.service.container.product.Order.Mask {

    }

}

package com.softlayer.api.service.product.item.rule.resource;

import com.softlayer.api.annotation.ApiProperty;
import com.softlayer.api.annotation.ApiType;
import com.softlayer.api.service.product.item.rule.Resource;

/**
 * @see <a
 href="http://sldn.softlayer.com/reference/datatypes/SoftLayer_Product_Item_Rule_Resource_Permission">SoftLay
 er_Product_Item_Rule_Resource_Permission</a>
 */
@ApiType("SoftLayer_Product_Item_Rule_Resource_Permission")
public class Permission extends Resource {

    /**
     * A user permission that the associated rule applies to.
     */
    @ApiProperty
    protected com.softlayer.api.service.user.customer.customerpermission.Permission resource;

    public com.softlayer.api.service.user.customer.customerpermission.Permission getResource() {
        return resource;
    }
}

```

```
}

public void setResource(com.softlayer.api.service.user.customer.customerpermission.Permission resource) {
    this.resource = resource;
}

public static class Mask extends com.softlayer.api.service.product.item.rule.Resource.Mask {

    public com.softlayer.api.service.user.customer.customerpermission.Permission.Mask resource() {
        return withSubMask("resource",
com.softlayer.api.service.user.customer.customerpermission.Permission.Mask.class);
    }

}

}
```

1.546 spring-amqp 1.7.4.RELEASE

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1.565 spring-boot-starter 1.5.12.RELEASE

1.566 spring-boot-starter-actuator 1.5.8

1.567 spring-boot-starter-amqp

1.4.4.RELEASE

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```
<!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">

Toggle navigation

</button>

</div>

<div class="collapse navbar-collapse" id="mainnav-collapse">

<div style="line-height:20px; padding-top:5px; float:left">Home » Licenses</div>

<ul class="nav navbar-nav navbar-right">

<li class="dropdown">

About

<ul class="dropdown-menu" role="menu">

Overview

Members

Process

Sponsorship

Glossary

FAQ

Contact

Projects

<li class="dropdown">

People

<ul class="dropdown-menu" role="menu">

Overview

Committers

```

<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>
</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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```

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<h1 id="apply">APPENDIX: How to apply the Apache License to your work¶</h1>

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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 © 1999-2017 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>
```

1.568 spring-boot-starter-aop

1.5.10.RELEASE

1.569 spring-boot-starter-data-jpa

1.5.9.RELEASE

1.570 spring-boot-starter-data-mongodb 1.5.8

1.570.1 Available under license :

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Spring Boot CLI

=====

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TABLE OF CONTENTS

The following is a listing of the open source components detailed in this document. This list is provided for your convenience; please read further if you wish to review the copyright notice(s) and the full text of the license associated with each component.

SECTION 1: BSD-STYLE, MIT-STYLE, OR SIMILAR STYLE LICENSES

- >>> JLine (jline:jline)
- >>> JOpt Simple (net.sf.jopt-simple:jopt-simple)
- >>> ASM 4.0 (org.ow2.asm:asm)

SECTION 2: Apache License, V2.0

- >>> JSON library from Android SDK (com.vaadin.external.google:android-json)
- >>> Apache Commons Codec (commons-codec:commons-codec)
- >>> Apache HttpClient (org.apache.httpcomponents:httpclient)
- >>> Apache HttpCore (org.apache.httpcomponents:httpcore)
- >>> Plexus Cipher: encryption/decryption Component (org.sonatype.plexus:plexus-cipher)
- >>> Plexus Security Dispatcher Component (org.sonatype.plexus:plexus-sec-dispatcher)
- >>> Apache Commons Logging (commons-logging:commons-logging)
- >>> Apache Groovy (org.codehaus.groovy:groovy)
- >>> Maven Aether Provider (org.apache.maven:maven-aether-provider)
- >>> Maven Model (org.apache.maven:maven-model)
- >>> Maven Model Builder (org.apache.maven:maven-model-builder)
- >>> Maven Repository Metadata Model (org.apache.maven:maven-repository-metadata)
- >>> Maven Settings (org.apache.maven:maven-settings)
- >>> Maven Settings Builder (org.apache.maven:maven-settings-builder)

>>> Plexus :: Component Annotations (org.codehaus.plexus:plexus-component-annotations)
>>> Plexus Common Utilities (org.codehaus.plexus:plexus-utils)
>>> Plexus Component API (org.codehaus.plexus:plexus-component-api)
>>> Plexus Interpolation API (org.codehaus.plexus:plexus-interpolation)

SECTION 3: Eclipse Public License, Version 1.0

>>> Aether API (org.eclipse.aether:aether-api)
>>> Aether Connector Basic (org.eclipse.aether:aether-connector-basic)
>>> Aether Implementation (org.eclipse.aether:aether-impl)
>>> Aether SPI (org.eclipse.aether:aether-spi)
>>> Aether Transport File (org.eclipse.aether:aether-transport-file)
>>> Aether Transport HTTP (org.eclipse.aether:aether-transport-http)
>>> Aether Utilities (org.eclipse.aether:aether-util)

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>>> net.sf.jopt-simple:jopt-simple:4.5

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>>> org.ow2.asm:asm

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```
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>>> org.apache.httpcomponents:httpcore
>>> org.sonatype.plexus:plexus-cipher
>>> org.sonatype.plexus:plexus-sec-dispatcher
>>> commons-logging:commons-logging
>>> org.codehaus.groovy:groovy
>>> org.apache.maven:maven-aether-provider
>>> org.apache.maven:maven-model
>>> org.apache.maven:maven-model-builder
>>> org.apache.maven:maven-repository-metadata
>>> org.apache.maven:maven-settings
>>> org.apache.maven:maven-settings-builder
>>> org.codehaus.plexus:plexus-component-annotations
>>> org.codehaus.plexus:plexus-utils
>>> org.codehaus.plexus:plexus-component-api
>>> org.codehaus.plexus:plexus-interpolation
```

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>>> org.eclipse.aether:aether-connector-basic
>>> org.eclipse.aether:aether-impl
>>> org.eclipse.aether:aether-spi
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1.571 spring-boot-starter-jdbc 1.5.9.RELEASE

1.572 spring-boot-starter-jdbc 1.5.12.RELEASE

1.573 spring-boot-starter-log4j2 1.5.9.RELEASE

1.574 spring-boot-starter-logging

1.5.12.RELEASE

1.575 spring-boot-starter-mail 1.5.3.RELEASE

1.576 spring-boot-starter-security

1.5.8.RELEASE

1.577 spring-boot-starter-test

1.5.12.RELEASE

1.578 spring-boot-starter-tomcat

1.5.10.RELEASE

1.579 spring-boot-starter-undertow

1.5.6.RELEASE

1.580 spring-boot-starter-web

1.5.12.RELEASE

1.581 spring-boot-test 1.5.12.RELEASE

**1.582 spring-boot-test-autoconfigure
1.5.12.RELEASE**

1.583 spring-cloud-commons 1.2.4

1.584 spring-cloud-config-client 1.1.3

1.585 spring-cloud-config-server 1.1.3

1.586 spring-cloud-context 1.2.4

**1.587 spring-cloud-netflix-core
1.3.1.RELEASE**

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1.588 spring-cloud-starter 1.2.2.RELEASE

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```
<!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">
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<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">

Toggle navigation

</button>

</div>

<div class="collapse navbar-collapse" id="mainnav-collapse">

<div style="line-height:20px; padding-top:5px; float:left">Home » Licenses</div>

<ul class="nav navbar-nav navbar-right">

<li class="dropdown">

About

<ul class="dropdown-menu" role="menu">

Overview

Members

Process

Sponsorship

Glossary

FAQ

Contact

Projects

<li class="dropdown">

People

<ul class="dropdown-menu" role="menu">

Overview

Committers

```

<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>
</div>
</div>
</nav>
</header>
<!-- / Navigation -->
<div class="container">
<div class="row">
  <div class="col-md-6 col-sm-5 col-xs-12">
    
  </div>
  <div class="col-md-3 col-sm-3 col-xs-6">
    <a href="http://apache.org/foundation/contributing.html" title="Support Apache">
      
    </a>
  </div>
  <div class="col-md-3 col-sm-4 col-xs-6">
    <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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```
<div class="codehilite"><pre>Copyright [yyyy] [name of copyright owner]
```

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

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

```
<footer class="bg-primary">
```

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

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

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<br />
```

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

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<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 &#169; 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>

```

1.589 spring-cloud-starter-archaius 1.3.5

1.590 spring-cloud-starter-config 1.1.3

1.590.1 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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2.0 . Unless required by applicable law or agreed to in writing, software 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. -->

```

```

</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;&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>
</div>
</div>
</nav>
</header>
<!-- / Navigation -->
<div class="container">
<div class="row">
<div class="col-md-9 col-sm-8 col-xs-12">
  
</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 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>
<p>Apache License<br/><br>Version 2.0, January 2004<br/><br>
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that entity. For the purposes of this definition, "control" means (i) the
power, direct or indirect, to cause the direction or management of such
entity, whether by contract or otherwise, or (ii) ownership of fifty
percent (50%) or more of the outstanding shares, or (iii) beneficial

```

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[Permanent link](#)

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```
<div class="codehilite"><pre>Copyright [yyyy] [name of copyright owner]
```

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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 &#169; 2016 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>

```

1.591 spring-cloud-starter-hystrix

1.3.1.RELEASE

1.591.1 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>
</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>
<p>Apache License<br><br>Version 2.0, January 2004<br></br>
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<p>"Licensor" shall mean the copyright owner or entity authorized by the
copyright owner that is granting the License.</p>
<p>"Legal Entity" shall mean the union of the acting entity and all other

```

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<p>END OF TERMS AND CONDITIONS</p>

<h1 id="apply">APPENDIX: How to apply the Apache License to your work¶</h1>

<p>To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.</p>

<div class="codehilite"><pre>Copyright [yyyy] [name of copyright owner]

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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>

Unless required by applicable law or agreed to in writing, software 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.

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

<!-- Footer -->

<footer class="bg-primary">

<div class="container">

<div class="row">

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

</div>

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

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

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

Overview

Conferences

Summer of Code

Getting Started

The Apache Way

Travel Assistance

Get Involved

Community FAQ

Memorials

</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 &#169; 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>

```

1.592 spring-cloud-starter-ribbon

1.3.1.RELEASE

1.592.1 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;&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>
</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>
<p>Apache License<br></br>Version 2.0, January 2004<br></br>
<a href="http://www.apache.org/licenses/">http://www.apache.org/licenses/</a> </p>
<p>TERMS AND CONDITIONS FOR USE, REPRODUCTION, AND DISTRIBUTION</p>
<p><strong><a name="definitions">1. Definitions</a></strong>.</p>

```

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<p>"Source" form shall mean the preferred form for making modifications, including but not limited to software source code, documentation source, and configuration files.</p>

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<h1 id="apply">APPENDIX: How to apply the Apache License to your work¶</h1>

<p>To apply the Apache License to your work, attach the following boilerplate notice, with the fields enclosed by brackets "[]" replaced with your own identifying information. (Don't include the brackets!) The text should be enclosed in the appropriate comment syntax for the file format. We also recommend that a file or class name and description of purpose be included on the same "printed page" as the copyright notice for easier identification within third-party archives.</p>

<div class="codehilite"><pre>Copyright [yyyy] [name of copyright owner]

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

<!-- Footer -->

<footer class="bg-primary">

<div class="container">

<div class="row">

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

</div>

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

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

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

Overview

Conferences

Summer of Code

Getting Started

The Apache Way

Travel Assistance

```
<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>
</ul>
</div>
```

```

    <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 &#169; 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>
</div>

</footer>

<!-- / Footer -->

<script src="/js/jquery-2.1.1.min.js"></script>
<script src="/js/bootstrap.js"></script>
</body>
</html>

```

1.593 spring-cloud-starter-zuul

1.3.1.RELEASE

1.593.1 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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</br>Version 2.0, January 2004
</br>

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

<!-- Footer -->

<footer class="bg-primary">

<div class="container">

<div class="row">

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

</div>

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

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

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

Overview

```
<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 © 1999-2017 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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1.639 spring-security-config 4.2.3.RELEASE

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1.640 spring-security-core 4.2.2.RELEASE

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1.641 spring-security-core 4.2.3.RELEASE

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1.642 spring-security-crypto 4.2.2.RELEASE

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1.643 spring-security-rsa 1.0.3.RELEASE

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```
<!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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CONDITIONS OF ANY KIND, either express or implied. See the License for the specific language governing
permissions and limitations under the License. -->

```

```

</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>
</div>
</div>
</nav>
</header>
<!-- / Navigation -->

```

```

<div class="container">
  <div class="row">
    <div class="col-md-6 col-sm-5 col-xs-12">
      
    </div>
    <div class="col-md-3 col-sm-3 col-xs-6">
      <a href="http://apache.org/foundation/contributing.html" title="Support Apache">
        
      </a>
    </div>
    <div class="col-md-3 col-sm-4 col-xs-6">
      <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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<a href="http://www.apache.org/licenses/">http://www.apache.org/licenses/</a> </p>

```

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```
<!-- 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>
</ul>
```

```

<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>

```

1.644 spring-security-saml2-core

1.0.1.RELEASE

1.645 spring-security-taglibs-4.0.3.RELEASE

4.0.3

1.646 spring-security-web 4.2.3.RELEASE

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1.658 spring-web 4.3.8.RELEASE

1.659 spring-webmvc 4.3.16.RELEASE

1.660 spring-webmvc 4.3.9.RELEASE

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1.679 tika-core 1.3

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- 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
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1.686 tomcat-embed-core 8.5.27

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- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
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1.721 XML Pull Parsing API 1.1.3.1

1.722 xml-apis 1.4.01

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