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1.7 pycurl 7.19.0-19.el7

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1.8 wstx-asl 3.2.4

1.9 xmlschema 1.4.2

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b) Accompany it with a written offer, valid for at least three years, to give any third party, for a charge no more than your cost of physically performing source distribution, a complete machine-readable copy of the corresponding source code, to be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange; or,

c) Accompany it with the information you received as to the offer to distribute corresponding source code. (This alternative is allowed only for noncommercial distribution and only if you received the program in object code or executable form with such an offer, in accord with Subsection b above.)

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<one line to give the program's name and a brief idea of what it does.>
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1.12 libsoup 2.56.0-6.el7

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software
sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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

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

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.
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b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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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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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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

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1.13 hk2-locator 2.3.0-b10

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1.16 fontconfig 2.13.1-r3

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USA

This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.

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The reason we have a separate public license for some libraries is that
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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

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  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:value-of select="$isc.copyright.leader"/>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:template>
</xsl:stylesheet>
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

  Author: Julio Merino <jmmv@users.sourceforge.net>

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

  Author: Julio Merino <jmmv@NetBSD.org>

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

  Author: Julio Merino <jmmv84@gmail.com>

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

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1.25 libsepol 2.5-6.el7

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Much of the code in this package comes from or is inspired by the JCTools project: https://github.com/JCTools/JCTools

JCTools has now published artifacts (https://github.com/JCTools/JCTools/issues/17) so RxJava could add JCTools as a "shadow" dependency (https://github.com/ReactiveX/RxJava/issues/1735). RxJava has a "zero dependency" policy for the core library, so if we do add it as a dependency, it won't be an externally visible dependency that results in a separate jar.

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jar/rx/internal/operators/OperatorSkipLast.java
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jar/rx/schedulers/CachedThreadScheduler.java
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  jar/rx/internal/util/ExceptionsUtils.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-
  jar/rx/internal/operators/OnSubscribeConcatMap.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-
  jar/rx/internal/operators/OnSubscribePublishMulticast.java
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  jar/rx/internal/util/BlockingUtils.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-
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* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/producers/SingleDelayedProducer.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/producers/QueuedProducer.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/producers/ProducerObserverArbiter.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/producers/SingleProducer.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/producers/QueuedValueProducer.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/BackpressureUtils.java
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1. You may redefine entire schedulers, if you so choose. To do so, override
the 3 methods that return Scheduler (io(), computation(), newThread()).
2. You may wrap/decorate an [@link Action0], before it is handed off to a Scheduler. The system-
supplied Schedulers (Schedulers.ioScheduler, Schedulers.computationScheduler,
Scheduler.newThreadScheduler) all use this hook, so it's a convenient way to
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Also, when redefining Schedulers, you are free to use/not use the onSchedule decoration hook.

See [@link RxJavaPlugins] or the RxJava GitHub Wiki for information on configuring plugins:

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jar/rx/observables/AsyncOnSubscribe.java
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  * /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorTakeLast.java
  * /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorElementAt.java
  * /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorTimeoutBase.java
  * /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/observers/TestSubscriber.java
  * /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/observers/Observers.java
  * /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/subscriptions/SerialSubscription.java
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  * /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorOnBackpressureBuffer.java
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  * /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorIgnoreElements.java
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  * /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-jar/rx/internal/operators/OperatorOnBackpressureBuffer.java
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* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources.jar/rx/internal/operators/OnSubscribeTimerOnce.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources.jar/rx/internal/schedulers/NewThreadWorker.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources.jar/rx/internal/operators/OperatorMapPair.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources.jar/rx/internal/operators/OperatorDebounceWithTime.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources.jar/rx/internal/operators/OnSubscribeRefCount.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-
jar/rx/internal/operators/OnSubscribeDelaySubscriptionWithSelector.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-
jar/rx/internal/operators/OperatorDoAfterTerminate.java
* /opt/ws_local/PERMITS_SQL/1041687962_1591242739.53/0/rxjava-1-1-2-sources-
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1.31 jcli 1.0-alpha-3

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The End

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src/preproc/grn/gprint.h
src/preproc/grn/hdb.cpp
src/preproc/grn/hgraph.cpp
src/preproc/grn/hpoint.cpp
src/preproc/grn/main.cpp

. The `gxditview' output device. It is based on X11's `xditview' program and thus has the X license.

src/devices/xditview/DESC.in
src/devices/xditview/Dvi.c
src/devices/xditview/Dvi.h
src/devices/xditview/DviP.h
src/devices/xditview/FontMap
src/devices/xditview/GXditview.ad
src/devices/xditview/Menu.h
src/devices/xditview/ad2c
src/devices/xditview/device.c
src/devices/xditview/device.h
src/devices/xditview/draw.c
src/devices/xditview/font.c
src/devices/xditview/gray1.bm
src/devices/xditview/gray2.bm
src/devices/xditview/gray3.bm
src/devices/xditview/gray4.bm
src/devices/xditview/gray5.bm
src/devices/xditview/gray6.bm
src/devices/xditview/gray7.bm
src/devices/xditview/gray8.bm
src/devices/xditview/gxditview.man
src/devices/xditview/lex.c
src/devices/xditview/page.c
src/devices/xditview/parse.c
src/devices/xditview/xdit.bm
src/devices/xditview/xdit_mask.bm
src/devices/xditview/xditview.c

csrc/include/DviChar.h
csrc/include/XFontName.h

csrc/libs/libxutil/DviChar.c
csrc/libs/libxutil/XFontName.c
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  tmac/doc-nroff
  tmac/doc-syms
  tmac/groff_mdoc.man

. The -me macro set, using the BSD license.

  tmac/e.tmac
  tmac/groff_me.man
  doc/meintro.me
  doc/meref.me

Hyphenation Patterns

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. The file `tmac/hyphen.us' is identical to the file `hyphen.tex', part of
  the TeX system written by Donald E. Knuth; the master file can be found
  at

    ftp://labrea.stanford.edu/pub/tex/dist/lib/hyphen.tex

  It has been renamed for consistency, i.e., to make patterns available
  under the filenames `hyphen.<language>', e.g. `hyphen.de' or
  `hyphen.uk'.

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. The file `tmac/hyphen.fr' contains the same patterns as the file
  `frhyph.tex' (for TeX), which can be found at

    http://dante.ctan.org/CTAN/language/hyphenation/frhyph.tex

  The patterns have been converted to a format groff can understand.

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. The file `tmac/hyphen.sv' is identical to the file `svhyph.tex', which
  can be found at
http://dante.ctan.org/CTAN/language/hyphenation/svhyph.tex

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The files `tmac/hyphen.det' and `tmac/hyphen.den' contain the same patterns as the files `dehyphn.tex' and `dehypht.tex' (for TeX), which can be found at

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http://dante.ctan.org/CTAN/language/hyphenation/dehypht.tex

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The file `tmac/hyphenex.det' is identical to the file `dehyphtextex.tex', which can be found at

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The file `tmac/hyphen.cs' contains the same patterns as the file `czhyphen.tex' (for TeX), which can be found in the archive

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# Constant-time SSSE3 AES core implementation.
# version 0.1
#
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### 1.40 dojox 1.5.6

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* src/svg.js - Browser detection code at top of file adapted from Dojo 1.1 browser detection code -
  http://dojotoolkit.org - available under either modified 'new' BSD license or Academic Free License 2.1
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* src/svg.js - Code to embed SVG into normal HTML for browsers that natively support SVG adapted from Sam
  Ruby's code - http://intertwingly.net/blog/2006/12/05/HOWTO-Embed-MathML-and-SVG-into-HTML4 - currently
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* src/svg.js - DOMContentLoaded code adapted from Dean Edwards blog article
  (http://dean.edwards.name/weblog/2005/09/busted/)

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1.43 datatype 1.3.02

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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/services/ServiceNameFactory.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/http/HttpMethod.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/waiters/WaiterExecution.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/auth/policy/conditions/ArnCondition.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/metrics/MetricCollector.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/utils/AWSRequestMetrics.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/auth/policy/conditions/IpAddressCondition.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/auth/policy/actions/package-info.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/auth/PropertiesCredentials.java
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/utility/ConfigHostRegexToRegionMappingJsonHelper.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/metrics/MetricCollector.java
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/AmazonWebServiceResponse.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/handlers/RequestHandler2.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/DefaultRequest.java
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/auth/AnonymousAWSCredentials.java
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/auth/policy/conditions/DateCondition.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/event/ProgressEvent.java
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1.11.91-sources.jar/com/amazonaws/auth/Signer.java
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1.11.91-sources.jar/com/amazonaws/metrics/AwsSdkMetrics.java
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1.11.91-sources.jar/com/amazonaws/auth/policy/internal/JsonPolicyReader.java
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jar/com/amazonaws/partitions/model/CredentialScope.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
jar/com/amazonaws/partitions/model/Region.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
jar/com/amazonaws/regions/InMemoryRegionsProvider.java
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jar/com/amazonaws/protocol/json/SdkIonGenerator.java
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jar/com/amazonaws/regions/LegacyRegionXmlLoadUtils.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
jar/com/amazonaws/transform/SimpleTypeCborUnmarshallers.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
jar/com/amazonaws/regions/LegacyRegionXmlMetadataBuilder.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
jar/com/amazonaws/partitions/model/Partition.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
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jar/com/amazonaws/partitions/PartitionsLoader.java
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/internal/auth/NoOpSignerProvider.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/adapters/types/StringToInputStreamAdapter.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/adapters/types/StringToByteBufferAdapter.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/adapters/types/TypeAdapter.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/internal/auth/SignerProvider.java
* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/internal/auth/SignerProviderContext.java
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*/opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/auth/presign/PresignerParams.java
*/opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/profile/path/AwsProfileFileLocationProviderChain.java
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-
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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources.jar/com/amazonaws/auth/CanHandleNullCredentials.java
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/**
 * Interface for providing AWS region information. Implementations are free to use any strategy for
 * providing region information.
 */

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/* Interface for providing AWS credentials. Implementations are free to use any
 * strategy for providing AWS credentials, such as simply providing static
 * credentials that don't change, or more complicated implementations, such as
 * integrating with existing key management systems.
 */

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* /opt/ws_local/PERMITS_SQL/1041744902_1590801928.91/0/aws-java-sdk-core-1-11-91-sources-jar/com/amazonaws/auth/AWSCredentialsProviderChain.java
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1.49 jetty-servlets 9.4.20.v20190813

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

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Glenn Randers-Pehrson
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1.72 jersey-bundle 1.14

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PCRE is a library of functions to support regular expressions whose syntax and semantics are as close as possible to those of the Perl 5 language.

This is JavaScriptCore's variant of the PCRE library. While this library started out as a copy of PCRE, many of the features of PCRE have been removed.

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1.75 coreutils 8.22 15.el7

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1.81 activemq-jms-pool 5.14.3

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jar/org/apache/xerces/parsers/ObjectFactory.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/parsers/XMLDocumentParser.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/parsers/XIncludeParserConfiguration.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xx/XSComplexTypeDecl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xx/SubstitutionGroupHandler.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dv/xx/QNameDV.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xx/traversers/XSDComplexTypeTraverser.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xx/traversers/XSDAbstractTraverser.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dv/xx/XMLGrammarCachingConfiguration.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xml/serialize/ObjectFactory.java

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*/ 
/** 
* used to check the 3 constraints against each complex type 
* (should be each model group): 
* Unique Particle Attribution, Particle Derivation (Restriction), 
* Element Declarations Consistent. 
*/ 

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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/XSConstraints.java

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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/io/UTF8Reader.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/XMLNamespaceBinder.java

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jar/org/apache/xerces/xinclude/XIncludeNamespaceSupport.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/xinclude/XInclude11TextReader.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/xinclude/XIncludeHandler.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/xinclude/XIncludeMessageFormatter.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/xinclude/MultipleScopeNamespaceSupport.java

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  jar/org/apache/xerces/util/XMLSymbols.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/util/DOMErrorHandlerWrapper.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/dom/DOMMessageFormatter.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/xni/grammars/XMLDTDDescription.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/xinclude/SecuritySupport.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/parsers/SecuritySupport.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/xml/serialize/SecuritySupport.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/html/dom/SecuritySupport.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/impl/dv/SecuritySupport.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/dom/SecuritySupport.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/xni/grammars/XSGrammar.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/impl/dv/xs/IntegerDV.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
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    jar/org/apache/xerces/dom3/as/ASNamedObjectMap.java
  * /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
    jar/org/apache/xerces/dom3/as/ASAttributeDeclaration.java
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    jar/org/apache/xerces/dom3/as/ASObject.java
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    jar/org/apache/xerces/dom3/as/DOMASWriter.java
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    jar/org/apache/xerces/dom3/as/AEntityDeclaration.java
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    jar/org/apache/xerces/dom3/as/AObjectList.java
  * /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
    jar/org/apache/xerces/dom3/as/ASNotationDeclaration.java
  * /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
    jar/org/apache/xerces/dom3/as/DOMImplementationAS.java
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    jar/org/apache/xerces/dom3/as/DocumentAS.java
  * /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
    jar/org/apache/xerces/dom3/as/DOMASException.java
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    jar/org/apache/xerces/dom3/as/ASContentModel.java
  * /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
    jar/org/apache/xerces/dom3/as/NodeEditAS.java
  * /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
    jar/org/apache/xerces/dom3/as/DOMASBuilder.java
  * /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
    jar/org/apache/xerces/dom3/as/ASModel.java
  * /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/dom3/as/ASElementDeclaration.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/dom3/as/ASDataType.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
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jar/org/apache/xerces/jaxp/SAXParserFactoryImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/dom/ChildNode.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/util/NamespaceSupport.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/xs/ElementPSVImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/xpath/XPath.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/jaxp/DocumentBuilderFactoryImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dtd/models/CMAny.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/xs/SchemaNamespaceSupport.java
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jar/org/apache/xerces/util/SymbolTable.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xml/serialize/EncodingInfo.java
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jar/org/apache/xerces/xni/grammars/XMLGrammarPool.java
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jar/org/apache/xerces/util/SynchronizedSymbolTable.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/XMLSchemaException.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/util/EntityResolverWrapper.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xni/NamespaceContext.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dm/DOMErrorImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/IDREFDV.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xni/parser/XMLDTDContentModelFilter.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dv/ValidationContext.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xpath/XPathException.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/parsers/IntegratedParserConfiguration.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xni/ContentDisseminationInterface.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dv/CompiledPattern.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/traversers/XSDUniqueOrKeyTraverser.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xni/NamespaceContext.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xni/parser/XMLDTDContentModelFilter.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dv/ValidationContext.java
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jar/org/apache/xerces/impl/xx/opti/DefaultNode.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/dom/DOMXSImplementationSourceImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/DTDDVFactory.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/INVALIDDatatypeValueException.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/xx/FunctionDV.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/xx/NamedNodeMapImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/xx/UnionDV.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/parsers/AbstractXMLDocumentParser.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/xx/AttrImpl.java

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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/DeferredDocumentImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xml/impl/dtd/DTDGrammar.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/NamedNodeMapImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/util/DOMUtil.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xml/impl/dtd/XMLDTDProcessor.java

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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xml/impl/dtd/XMLDTDProcessor.java
jar/org/apache/xerces/impl/xx/util/XSObjectListImpl.java
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  jar/org/apache/wml/dom/WMLElementImpl.java
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  jar/org/apache/wml/dom/WMLBrElementImpl.java
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jar/org/apache/wml/dom/WMLStrongElementImpl.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/impl/dv/xs/AnyAtomicDV.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/impl/ExternalSubsetResolver.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/impl/XMLEntityDescription.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/impl/dv/xs/PrecisionDecimalDV.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/impl/xs/traversers/XSAnnotationInfo.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/impl/io/MalformedByteSequenceException.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/impl/dv/util/ByteListImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/parsers/XML11Configurable.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
  jar/org/apache/xerces/impl/util/XMLEntityDescriptionImpl.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources.jar/org/apache/xerces/dom/AttrNSImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources.jar/org/apache/xerces/impl/xs/XSGroupDecl.java

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*/
/**
 *
* DOM Level 3 LS CR - Experimental.
* Create a new `<code>LSParser</code>`. The newly constructed parser may
* then be configured by means of its `<code>DOMConfiguration</code>`
* object, and used to parse documents by means of its `<code>parse</code>`
* method.

* `@param mode` The `<code>mode</code>` argument is either
  * `<code>MODE_SYNCHRONOUS</code>` or `<code>MODEASYNCHRONOUS</code>`, if
  * `<code>mode</code>` is `<code>MODE_SYNCHRONOUS</code>` then the
  * `<code>LSParser</code>` that is created will operate in synchronous
  * mode, if it's `<code>MODEASYNCHRONOUS</code>` then the
  * `<code>LSParser</code>` that is created will operate in asynchronous
  * mode.

* `@param schemaType` An absolute URI representing the type of the schema
  * language used during the load of a `<code>Document</code>` using the
  * newly created `<code>LSParser</code>`. Note that no lexical checking
  * is done on the absolute URI. In order to create a
  * `<code>LSParser</code>` for any kind of schema types (i.e. the
  * LSParser will be free to use any schema found), use the value
  * `<code>null</code>`.

  * , applications must use the value
  * `<code>"http://www.w3.org/2001/XMLSchema"</code>`. For XML DTD [<a href='http://www.w3.org/TR/2000/REC-xml-20001006'>XML 1.0</a>],
  * applications must use the value
  * `<code>"http://www.w3.org/TR/REC-xml"</code>`. Other Schema languages
  * are outside the scope of the W3C and therefore should recommend an
  * absolute URI in order to use this method.

* `@return` The newly created `<code>LSParser</code>` object. This
  * `<code>LSParser</code>` is either synchronous or asynchronous
  * depending on the value of the `<code>mode</code>` argument.

* `<p>Note:</p>` By default, the newly created `<code>LSParser</code>`
  * does not contain a `<code>DOMErrorHandler</code>`, i.e. the value of
  * the "<a href='http://www.w3.org/TR/2003/WD-DOM-Level-3-Core-20030609/core.html#parameter-error-handler'>error-handler</a>” configuration parameter is `<code>null</code>`. However, implementations
  * may provide a default error handler at creation time. In that case,
  * the initial value of the `<code>error-handler</code>` configuration
  * parameter on the new created `<code>LSParser</code>` contains a
  * reference to the default error handler.

* `<exception DOMException>`

* `NOT_SUPPORTED_ERR`: Raised if the requested mode or schema type is
  * not supported.

*/

Found in path(s):
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/CoreDOMImplementationImpl.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xx/opti/DefaultText.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xx/traversers/XSDAbstractIDConstraintTraverser.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xx/smodels/XSEmptyCM.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xx/opti/TextImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/parsers/DTDConfiguration.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/util/DOMEntityResolverWrapper.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/parsers/NonValidatingConfiguration.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xni/XMLLocator.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/util/ErrorHandleWrapper.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/parsers/DTDConfiguration.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/opti/DOMEntityResolverWrapper.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/parsers/NonValidatingConfiguration.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/opti/DOMEntityResolverWrapper.java
jar/org/apache/xerces/impl/xs/models/CMBuilder.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/PSVIAttrNSImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/PSVIElementNSImpl.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/parsers/XML11DTDConfiguration.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xs/datatypes/XSDouble.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xercesimpl/dv/xs/YearMonthDurationDV.java
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jar/org/apache/xerces/impl/dv/xs/DurationDV.java
/ *opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/xs/YearDV.java
/ *opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/xs/MonthDayDV.java
/ *opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/xs/DateTimeDV.java
/ *opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/xs/DayDV.java
/ *opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/xs/DayTimeDurationDV.java
/ *opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/xs/DayTimeDurationDV.java
/ *opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/xs/YearDV.java
/ *opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/xs/YearDV.java
/ *opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/xs/YearDV.java
/ *opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/xs/YearDV.java
/ *opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/xs/YearDV.java
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jar/org/apache/xerces/impl/dv/xs/YearDV.java
/ *opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/xs/YearDV.java
/ *opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/xs/YearDV.java
/ *opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/xs/YearDV.java
/ *opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/xs/YearDV.java
/ *opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/xs/YearDV.java
/ *opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/xs/YearDV.java
/ *opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-

jar/org/apache/xerces/impl/dv/xx/TimeDV.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/xx/YearMonthDV.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/dv/xx/MonthDV.java
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jar/org/apache/xerces/xx/XSLoader.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/xx/XSObject.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/xx/XSMultiValueFacet.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/impl/xx/util/XSGrammarPool.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/xx/XSException.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/xx/ElementPSVI.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
jar/org/apache/xerces/xx/LSInputList.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-
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cos-nonambig = cos-nonambig: {0} and {1} (or elements from their substitution group) violate \"Unique Particle Attribution\". During validation against this schema, ambiguity would be created for those two particles.

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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources.jar/org/apache/wml/WMLStrongElement.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources.jar/org/apache/wml/WMLEmElement.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources.jar/org/apache/wml/WMLSelectElement.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources.jar/org/apache/wml/WMLTrElement.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources.jar/org/apache/wml/WMLDoElement.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources.jar/org/apache/wml/WMLDOMImplementation.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources.jar/org/apache/wml/WMLCardElement.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources.jar/org/apache/wml/WMLMetaElement.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources.jar/org/apache/wml/WMLTemplateElement.java
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  /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/util/SimpleLocator.java
  /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/XSDDescription.java
  /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/util/XMLResourceIdentifierImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dv/xx/FullDVFactory.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dv/dtd/ListDatatypeValidator.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/dv/dtd/NMTOKENDatatypeValidator.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xpath/regex/RangeToken.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xml/serialize/XML11Serializer.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/impl/xs/models/XSCMLeaf.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/CoreDocumentImpl.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/dom/TextImpl.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/jaxp/SAXParserImpl.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xs/XSElementDeclaration.java
* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources-jar/org/apache/xerces/xs/XSNotationDeclaration.java
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* /opt/cola/permits/1124919501_1611197727.99/0/xercesimpl-2-8-0-sources.jar/org/apache/xml/serialize/IndentPrinter.java
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and server side TLS 1.1 (RFC 4346) and tested WebRTC compatibility. More information on Voxeo Labs can be found at <a href="http://voxeolabs.com">http://voxeolabs.com</a>.

Additional CertPath testing and validation data from the CertPath testing tool developed by <a href="https://www.cryptosource.de">cryptosource GmbH</a> and <a href="https://www.mtg.de">media Transfer AG</a> both located in Darmstadt, Germany.

People

Tito Pena &lt;Fortunato.Pena@AdNovum.CH&gt; - initial RC5 implementation

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Nuno Santos &lt;nsantos@student.dei.uc.pt&gt; - finding toString bug in certificate object.

Brett Sealey &lt;brett@v64.mortbay.com&gt; - fixing the missing return problem in JDKKeyFactory (affected SSL/Leay private keys).

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Jonathan Knudsen &lt;jonathan@v64.LearningPatterns.com&gt; - porting information and restrictions when using the lightweight library with the MIDP environment.

Markus Niedermann &lt;markus.niedermann@softwired-inc.com&gt; - porting information and restrictions when using the lightweight library with the MIDP environment.

Mike Benham &lt;moxie@thoughtcrime.org&gt; - detection and fixing of an incorrect weak key in the DES key generation support classes. Suggestions for simplifying DESedeParameter objects. Optimisations for the Blowfish engine and BufferedBlockCipher class.

Soren Hilmer &lt;hilmer@mail.tele.dk&gt; - initial implementation of netscape certificate request classes.

Uwe Guenther &lt;uwe@v64;esc.de&gt; - detection and fixing of 3 incorrect semi-weak keys in the DES key generation support classes.

Markus Bradtke &lt;mab@informatik.uni-kiel.de&gt; - fixing of a logic error in the JDKKeyStore class.

Waclaw Sierek &lt;wacław.sieręk@v64;tpg.pl&gt; - fix to setOddParity in the DESedeParameter class. Assistance with adding ordering to X509 names for certificate generation, proper processing of byte strings in the ASN1 package, further simplifications and additional classes to improve pkcs7 support, bug fixes in CertPath API.

Ly-Na Phu &lt;lyna.phu@v64;init-consulting.de&gt; - assistance in the addition of ISO 9796-1 padding.

Stefan K&ouml;psell &lt;sk13@v64;mail.inf.tu-dresden.de&gt; - making the jdk 1.1
version of the collections API available. For further details see

- Carmen Bastiaans &lt;cbastiaa#064;microbits.com.au&gt; - fixing the improper null pointer problem in the setting of certificates in the PKCS12 key store.
- Tomas Gustavsson &lt;tomasz#064;primekey.se&gt; - initial implementation of the AuthorityInformationAccess, SubjectKeyIdentifier, AuthorityKeyIdentifier, CRLNumber, CRLReason, CertificatePolicies, V2TBSCertListGenerator, and X509V2CRLGenerator classes in the ASN.1 library. Additions to the GeneralName class, other bug fixes in the X.509 package. Initial implementation of the CertificationRequest classes. getRevocationReason() patch for OCSP. Patch to SemanticsInformation to prevent ClassCastException.
- Eugen Kuleshov &lt;euxx#064;hotmail.com&gt; - optimisations for Blowfish, assistance with PKCS12/keytool interoperability.
- Megan Woods &lt;meganwoods#064;sekuraf ile.com&gt; - initial implementation of ECIES.
- Christian Geuer-Pollmann &lt;geuerp#064;apache.org&gt; - adding IV's to the AESWrap implementations. Initial implementation of DESedeWrap.
- Michael M#252;hle &lt;michael#064;mouling.de&gt; - contributing the initial CertPath implementation and compatibility classes, fixing provider bug in JDK 1.1 java.security.cert.CertificateFactory compatibility class.
- Michael Mansell &lt;me#064;michaelmansell.com&gt; - fixing the parsing of the empty DER set in the ASN.1 library.
- Eike Recker &lt;eike.recker#064;gmx.de&gt; - fixing misspelling of provider reference for RSA/1 and RSA/2.
- Chris Southern &lt;CSouthern#064;baltimore.com&gt; - fixing misuse of specified provider in the PKCS10 certification request class.
- Sidney Markowitz &lt;sidney#064;sidney.com&gt; - fixing null pointed exception on unknown OID in the X509Name class, initial implementation of the three AES engines.
- Chris Kerr &lt;ckerr#064;filonet.ca&gt; - initial implementation of the cms, asn1.cms, and the mail/smime packages, assistance in simplifying the ASN.1 package, miscellaneous other optimisations, NIST CertPath certification test, PKIXPolicyNode class, CertPath subtree validation and policy tree construction. We also wish to acknowledge the generosity of Filonet Corporation for allowing Chris to make the initial cms and mail/smime packages available to us.
- Mike Bean &lt;mbean#064;lucentradius.com&gt; - fixing the fall through bug in the IV algorithm parameters class.
- Martin Petraschek &lt;e9526225#064;student.tuwien.ac.at&gt; - fixing ASN1 tagging so tag values up to 30 are now supported.
- Jess Garms &lt;igarms#064;yahoo.com&gt; - fixing 112/168 key size bug for DESede key generation.
- Mike Bremford &lt;mike#064;big.faceless.org&gt; - contributing the initial PKCS7 implementation.
- Shankar Srinivasan &lt;ssr002#064;yahoo.com&gt; - S/Mime interoperability testing and debugging.
- Stef Hoeben &lt;ilsesef#064;skynet.be&gt; - adding Montgomery multiplication to the BigInteger class.
- Klaudiusz Ciosk &lt;kciosk#064;max.com.pl&gt; - improving the compatibility of the SMIME package with the Sun JCE.
- Thomas Houtekier &lt;Thomas.Houtekier#064;tectrade.net&gt; - S/Mime testing and debugging. Interoperability with Biztalk.
- Don Hillsberry &lt;hillsber#064;dialcorp.com&gt; - S/Mime testing and debugging.
Kazuo Furuya &lt;kfuruya@infoteria.co.jp&gt; - fixing root certificate chaining bug in PKCS12 key store.

Jason Novotny &lt;jdnovotny@lbl.gov&gt; - initial work on the openSSL PEM processing.

Joel Hockey &lt;joe.hockey@qsipayments.com&gt; - initial work on the openSSL PEM processing.

John Steenbruggen &lt;JohnS@qsipayments.com&gt; - fixing CertificationRequestInfo to handle cert request info objects without attribute blocks.

Justin Chapweske &lt;justin@chappeswe.com&gt; - ordering patch for Tiger message digest.

John Seroch &lt;jseroch@hotmail.com&gt; - fixing null pointer exception in constructor for ExtendedKeyUsage. Fixing of base OID bug in KeyPurposeId.

Compliance of KeyUsage extension return value with security API.

Sascha Weinreuter &lt;Sascha.Weinreuter@cit.de&gt; - fixed SMIME saveChanges() bug.

Andre Wehnert &lt;aw5@mail.inf.tu-dresden.de&gt; - fixing key schedule problem in RC5-64, fixing buffer cleaning issue in buffered block cipher.

Luigi Lo Iacono &lt;lo_iacono@nue.et-inf.uni-siegen.de&gt; - adding SIC mode to the blockciphers in the provider.

Tim Sakach &lt;tsakach@64;certivo.net&gt; - SMIME v2 compatibility patches.

Marcus Povey &lt;mpovey@64;brookes.ac.uk&gt; - adding the PGP mode to the lightweight API and the provider.

Sebastian Clau&szlig;&lt;sc2@inf.tu-dresden.de&gt; - adding randomness setting to the certificate and CRL generators.

Nicolas Bielza &lt;nicolas.bielza@64;alligacom.com&gt; - isolating the tagging bug in the ASN.1 library that was misrepresenting some ASN.1 constructed data types. Contributions to the streaming S/MIME classes.

Casey Marshall &lt;rsdio@metastatic.org&gt; - fixing the clone problem with Macs in the clean room JCE.

Rick Zeldes &lt;rick.zeldes@64;eds.com&gt; - initial code for CMS/SIMIME CompressedData.

Jarek Gawor &lt;gawor@64;mcs.anl.gov&gt; - fixing ASN.1 sequence unpacking in BasicConstraints constructor.

Brett Neumeier &lt;random@64;rnd.cx&gt; - patch to OriginatorIdentifierOrKey object, improvements to encoders package, introduction of UrlBase64.

Graham Coles &lt;graham.coles@64;retail-logic.com&gt; - patch to isParityAdjusted in DESKeySpec.

J&ouml;rn von Kattch&eacute;e &lt;J.Kattchee@seeburger.de&gt; - patch to SMIMEGenerator for preventing class cast exceptions with BodyParts containing Multipart objects.

Matteo Artuso &lt;matartuso@64;libero.it&gt; - picking up the possible overread in ASN1InputStream.

Julian Morrison &lt;julian@64;extropy.demon.co.uk&gt; - spotting the slow down in Diffie-Hellman key generation.

Elmar Sonnenschein &lt;esol@64;esomail.de&gt; - fix to long conversion in clean room SecureRandom.

J&ouml;rn Schwarze &lt;JSchwarze@ulc.de&gt; - Locale fix for the clean room JCE.

Bryan Lovquist &lt;blkl@64;cps.com.au&gt; - Other provider compatibility fixes for CMS signing.

Artem Portnoy &lt;Artem_Portnoy@64;ibi.com&gt; - generalisations for CMSProcessableBodyPart in S/MIME. Header fix for mime messages.

Michael H&auml;usler &lt;haeusler@ponton-consulting.de&gt; - missing OID update for SHA1 with RSA Signature.

Johan Seland &lt;johans@64;netfonds.no&gt; - general toString for BigInteger class.

Johannes Nicolai &lt;johannes.nicolai@64;novosec.com&gt; - further enhancements to OCSP response generation, fix to CertificateID issuer.

Marc Doberva &lt;marc.doberva@64;ilex-si.com&gt; - help in isolating the JSSE/BC RSA key issue.

Jan Dvorak &lt;jan.dvorak@64;mathan.cz&gt; - initial implementation of the light weight Null block
ciphertext.

Joe Cohen &lt;jcohen@064forum.sys.com&gt; - converting the ArrayOutOfBoundsException in DERInputSteam into what it should have been.

Chris Long &lt;clong@064eece.cm.edu&gt; - adding public key decoding to PEMReader.

Hes Siemelink &lt;hes@064ize.com.com&gt; - findIssuer fix for CertPathBuilder, toMimeMessage converter for Mail API, getSize() fix for zero length messages in SMIMEMessage.

Stefan Piuu &lt;stefanpuiu@064yahoo.com&gt; - initial implementation V3 policy mapping, policy qualifier objects in ASN.1 X.509 package.

Kaiser Yang &lt;kaiseryang@064@yahoo.com&gt; - Finding BigInteger loop problem in prime generation.

Jiri Urbanec &lt;jiri.urbanec@064logicacmg.com&gt; - patch to fix defect in DERBMPString.equals().

Justin Kolb &lt;jkolb@064pristx.com&gt; - patch to DSA signature generation in OpenPGP. Fix for the unexpected "Unexpected end of ZLIB input stream" exception.

Ralf Hauser &lt;ralfhauser@064gmx.ch&gt; - patch to exception handling in PublicKeyRing, PEMReader, 1.4 build script, X509 Certificate Factory, CertPathValidatorUtilities, fromAddress null check in SignedMailValidator, ReadOnceInputStream testing utility in MIME tests.

Michal Dvorak &lt;m_dvorak@064kb.cz&gt; - getNextUpdate patch for OCSP SingleResp.

Klaus Greve Fiorentini &lt;klaus@064cpqd.com.br&gt; - array fix in PGP PublickKeyEncSessionPacket.

Olivier Refalo &lt;Olivier_Refalo@064fpl.com&gt; - null pointer exception fix for JDK 1.3 CMSSignedData objects.

Mariusz Bandola &lt;mariusz.bandola@064cryptotech.com.pl&gt; - patch to DERGeneralizedTime.

Compliance path for OCSP TBSRequest class. Patch to X509Name for delaing with general objects in sequences.

Brien Oberstein &lt;brien.oberstein@064transacttools.net&gt; - patch to S2K algorithm in OpenPGP, initial PGP version 3 secret key support, initial PGP version 3 signature generation, RIPEMD160 addition to PGPUtil.

Ian Haywood &lt;ian@064haywood.hpa.nu&gt; - addition of getSignatureType to PGPSignature.

Jonathan Edwards &lt;s34gull@mac.com&gt; - initial support for reading multiple rings from a PGP key file.

Andrew Thornton &lt;andrew@064caret.cam.ac.uk&gt; - patch for RSA PUBLIC KEY in PEMReader.

Gregor Leander &lt;gl@064bos-bremen.de&gt; - initial parsing of multiple sequence entries in an X.500 Name.

Antoon Bosselaers &lt;Antoon.Bosselaers@esat.kuleuven.ac.be&gt; - help with RipeMD320 implementation.

Peter Sylvester &lt;Peter.Sylvester@064edelweb.fr&gt; - improvements to the ASN.1 BasicConstraints object.

Doug &lt;ummmmm@064myrealbox.com&gt; - addition of isEncryptionKey method to OpenPGP public keys.

Francois Staes &lt;fsstaes@064netconsult.be&gt; - improvements to DEBitString, DERGeneralizedTime and initial implementation of DERGeneralString. addition of settable signed object info to CMSSignedDataGenerator, patch to DH key agreement.

W.R. Dittmer &lt;wdittmer@064cs.vu.nl&gt; - patch to decoding of SignatureCreationTime in BCPG. Patch to PGPKeyPair to fix nullpointer exception.

Perez Paz Luis Alberto &lt;laperez@064banxico.org.mx&gt; - patch to use of BitString in X.500 name.

James Wright &lt;James_Wright@064harte-hanks.com&gt; - patches for dealing with "odd" ArmoredInputStreams.

Jim Ford &lt;jim@064muirford.com&gt; - patch to PGPSecretKey to avoid null pointer exception on encoding secret keys, comments on KeyExpirationTime, getBitStrength for ElGamal keys. Signature creation time patch for newly created v4 signatures.

Michael Hausler &lt;phaeusler@064ponton-consulting.de&gt; - extra aliases for provider.
Sai Pullabhotla &lt;psai@linoma.com&gt; - fix to PGP compressed data generator to improve compression levels. Performance improvements for KeyBasedLargeFileProcessor.

Joseph Miller &lt;joseph@064digiweb.net.nz&gt; - addition of ZeroBytePadding.

Lars &lt;lxyz@064sagemdenmark.dk&gt; - patch to explicit padded mode for CBC block cipher MAC.

Jeroen van Vianen &lt;jeroen@064vanvianen.nl&gt; - the Signed and Encrypted mail example.

Jun Sun &lt;JSun@064diversinet.com&gt; - patch to SecureRandom to work around problem in wtk 1.0.4 and wtk 2.1.

Petr Dukem &lt;pdukem@064email.cz&gt; - patch to CMSSignedDataGenerator to allow it to work with PKCS11 providers.

Filipe Silva &lt;filipe.silva@064wedoconsulting.com&gt; - patch to fix overread issue in BCPGInputStream.

Alpesh Parmar &lt;alps@064linuxmail.org&gt; - patch for class cast problem in PGPPublicKey.getSignatures().

Jay Gengelbach &lt;jgengelbach@064webmethods.com&gt; - patch to fix isSigningKey in PGPSecretKey class, patch to hashedPackets in PGP signatureGenerator, initial cut for indefinite length output.

Doug &lt;doug@064tigerprivacy.com&gt; - public key ring patches for ElGamal Signatures, problem key ring data.

Matthew Mundy &lt;mmundy1@064umbc.edu&gt; - infinite loop prevention patch to PKCS5S2ParametersGenerator.

Tom Cargill &lt;cargill@profcon.com&gt; - spelling patch in provider.

Breitenstrom Christian &lt;c.Breitenstrom@064t-systems.com&gt; - compatibility patch to SignaturePacket, DetachedSignatureProcessor.

Nicola Scendoni &lt;nscendoni@064babelps.it&gt; - patch to add sorting to CertPath validation.

Ville Skyttä &lt;ville.skytta@064iki.fi&gt; - patch to CRLDistPoint for CRLIssuer field. KeyStore compliance on add patches. DiffieHellman patch for provider compliance. Support for PEM object "TRUSTED CERTIFICATE". Exception handling patch in PEMReader. JavaDoc clean up.

Bruce Gordon &lt;bruce.gordon@savvis.net&gt; - patch to secret key creation encoding NullPointerException in OpenPGP, speed up for BCPGInputStream.

Miles Whiteley &lt;Miles.Whiteley@064savvis.net&gt; - "223" fix for BCPGInputStream new packets.

Albert Moliner &lt;amoliner@064evintia.com&gt; - initial TSP implementation.

Carlos Lozano &lt;carlos@064evintia.com&gt; - initial TSP implementation, patch to SignerInformation for supporting repeated signers, initial updates for supporting repeated attributes in CMS.

Javier Delgadillo &lt;javi@064javicodewarp.org&gt; - initial Mozilla PublicKeyAndChallenge classes.

Joni Hahkala &lt;joni.hahkala@064cern.ch&gt; - initial implementations of VOMS Attribute Certificate Validation, IetfAttrSyntax, and ObjectDigestInfo. We also wish to thank the &lt;a href="http://www.eu-egee.org">EGEE project&lt;/a&gt; for making the work available.

Rolf Schillinger&lt;rolf@064sir-wum.de&gt; - initial implementation of Attribute Certificate generation.

Sergey Bahtin &lt;Sergey_Bahtin@yahoo.com&gt; - fix for recovering certificate aliases in BKS and UBER key stores. Initial implementations of GOST-28147, GOST-3410, EC GOST-3410, GOST OFB mode (GOFB) and GOST-3411.

Franck Leroy &lt;Franck.Leroy@064keynectis.com&gt; - ANS.1 set sorting. Contributions to TSP implementation. Test vectors for Bleichenbacher's forgery attack.

Atsuhiko Yamanaka &lt;ymnk@064jcraft.com&gt; - patch for improving use of Montgomery numbers in BigInteger library. Patch to use size of private exponent in DH parameters.

Nickolay Bolshakov &lt;tyrex@064reksoft.ru&gt; - patch for class cast exception in AuthorityInformationAccess class.

Soren Hilmer &lt;soren.hilmer@064tietoenator.com&gt; - patches for CertID with issuerSerial set in TSP.
implementation, additional compliance testing.</li>
<li>Steve Mitchell &lt;mitchell@064intertrust.com&gt; - patch for stateful path validator fix. Patch to allow BigInteger class to create negative numbers from byte arrays. Additions to allow different providers to be used for asymmetric/symmetric encryption in OpenPGP.</li>
Optimisation to avoid redundant verification in path validator. Suggestion to use PKIXParameters.getSigProvider() correctly.</li>
<li>Dirk Eisner &lt;D.Eisner@seeburger.de&gt; - initial implementation of ISO 78164-4 padding.</li>
<li>Julien Pasquier &lt;julienpasquier@064free.fr&gt; - initial implementation of attribute classes from RFC 3126. Fix to KEKIdentifier, OtherKeyAttribute parsing. Initial ContentHints class.</li>
<li>Matteo &lt;mataturso@064libero.it&gt; - sequence patch to ASN1Dump.</li>
<li>Andrew Paterson &lt;andrew.paterson@064burnsec.com&gt; - patches to PGP tools, isRevoked method on PGPPublicKey.</li>
<li>Vladimir Molotkov &lt;vladimir.n.molotkov@064intel.com&gt; - extensive provider exception handling compliance testing.</li>
<li>Florin Kollan &lt;adlocflo@064web.de&gt; - fix to ElGamalKeyParameters equality testing.</li>
<li>Pavel Vassiliev &lt;paulvas@064gmail.com&gt; - Initial GOST28147Mac implementation.</li>
<li>Tom Pesman &lt;tom@064tnux.net&gt; - addition of DES-ede encryption for RSAPrivate keys to PEMWriter.</li>
<li>Lukasz Kowalczyk &lt;lukasz.b.kowalczyk@064gmail.com&gt; - patch to fix parsing issue with OpenSSL PEM based certificate requests.</li>
<li>Arndt Hasch &lt;Arndt.Hasch@064maxence.de&gt; - additional fix for partial reading with new style PGP packets.</li>
<li>Fix Bernd (KCDP 11) &lt;bernd.fix@credit-suisse.com&gt; - fix for 31 byte issue and exception throwing by Whirlpool.</li>
<li>David M. Lee &lt;dmlee@064crossroads.com&gt; - code for add and remove secret key in the PGPSecretKeyRing class. Additions to S/MIME and CMS unit tests.</li>
<li>Mike Dillon &lt;md5@064embody.org&gt; - additional checks for PGP secret and public key construction, patches to copyWithNewPassword.</li>
<li>tu-vi cung &lt;tuvcung@064hotmail.com&gt; - patch for out of bounds problem in getDecoderStream method.</li>
<li>Chris Schultz &lt;cschultz@064gmail.com&gt; - fix for InputStream constructor for X.509V2AttributeCertificate.</li>
<li>David M. Lee &lt;dmlee@064crossroads.com&gt; - implementation assistance with streaming CMS classes.</li>
<li>Joel Rees &lt;rees@064ddcom.co.jp&gt; - fix to correct getOID methods from returning same set on X.509 attribute certificates.</li>
<li>Francesc Sau &lt;francesc.sau@064partners.netfocus.es&gt; - micro fix for tsp Accuracy class.</li>
<li>Larry Bugbee &lt;bugbee@064mac.com&gt; - initial ECNR implementation.</li>
<li>Remi Blancher &lt;Remi.Blancher@064keynecis.com&gt; - Contributions to TSP implementation. Initial implementation of RFC 3739 and ICAO ASN.1 classes.</li>
<li>Brian O'Rourke &lt;brianorourke@064gmail.com&gt; - patch for signature creation time override in OpenPGP.</li>
<li>Andreas Schwier &lt;andreas.schwier@064cardcontact.de&gt; - initial implementation of ISO9797 MAC Algorithm 3, addition of DES-EDE 64 MAC to the provider, fix to EC point encoding, addition of EC and RSA-PSS OIDs to CMS, addition of AES-CMAC and DESede-CMAC to JCE provider.</li>
<li>David Josse &lt;david.josse@064transactools.net&gt; - Patch for trailer function in version 2 signature packets.</li>
<li>Kishimoto Kazuhiko &lt;kazu-k@064hi-ho.ne.jp&gt; - RFC 3280 updates to policy processing in the CertPath.
validator. Additional test data not covered by NIST.

- Lawrence Tan &lt;lwrnctan&#064gmail.com&gt; - Large field OID sample test data. Missing key types in JDKKeyFactory.

- Carlos Valiente &lt;superdupont&#064gmail.com&gt; - Addition of CRL writing to the PEMWriter class.

- Keyon AG, Martin Christinat, &lt;a href=&quot;http://www.keyon.ch&quot;&gt;http://www.keyon.ch&lt;/a&gt; - fixing incorrect ASN.1 encoding of field elements in X9FieldElement class.

- Olaf Keller, &lt;olaf.keller.bc&#064bluewin.ch&gt; - initial implementation of the elliptic curves over binary fields F2m. Additional tests and modifications to elliptic curve support for both F2m and Fp. Performance improvements to F2m multiplication. Initial implementation of WNAF/WTNAF point multiplication. Improvement to k value generation in ECDSA.

- J&ouml;rg Eichhorn &lt;eichhorn&#064ponton-consulting.de&gt; - patch to fix EOF read on SharedFileInputStream, support for F2m compression.

- Karsten Ohme &lt;widerstand&#064online.de&gt; - initial check against for out of range data on non byte aligned RSA keys. Addition of equals/hashCode on ECCurve.Fp. Additional curve type support for Fp, contributions to F2m compression. F2m decoding for ECPointUtil. Infinity fix and prime192v2 fix for Fp. Extra validation for RSA key creation. Fix to name typos for some OpenSSL key generators. RFC-1779 table, improved RFC 2253 compliance for X509Name. Additional constructor validation for X.509/ESS ASN.1 classes. Validation for Printable, IA5, and Numeric Strings. Fix for RFC 5280 NameConstraint checking for RDNs.

- Support for surrogate pairs in DERUTF8String, DER UTF8 test. Additional X.509 name attributes for ISIS-MTT, RFC 3039, addition of indirect CRL support, initial X509 LDAP CertStore implementation, CertificatePair class, and X509CertificatePair class. Contributions to X509Store/Parser infrastructure and design. CertPath support for implicit DSA parameters and a range of NameConstraints. Addition of support for V1 attribute certificates and attribute certificate path validation. Initial classes for ASN.1 ISIS-MTT support. Enhancements for improving compliance with the NIST CertPath tests.

- Carlos Lozano Ruiz &lt;carlos&#064tradise.com&gt; - patch for &lt;ctl&gt;&lt;m&gt; only handling in CRLFOutputStream.

- John Alfred Prufrock &lt;j.a.prufrock&#064gmail.com&gt; - mods to GOST-3411 and MD2 to support ExtendedDigest.

- Stefan Neusatz Guilhen &lt;neusatz&#064gmail.com&gt; - initial version of RoleSyntax, improvements to AttributeCertificateHolder and AttributeCertificateIssuer.

- Marzio Lo Giudice &lt;marzio.logiudice&#064gmail.com&gt; - fix to endianess in KDF2BytesGenerator, additional KDF2 tests.

- Georg Lippold &lt;georg.lippold&#064gmx.de&gt; - initial implementation of NaccacheStern cipher.

- Chris Viles &lt;chris_viles&#064yahoo.com&gt; - fix to SignatureSubpacket critical bit setting.

- Pasi Eronen &lt;Pasi.Eronen&#064nokia.com&gt; - extra toString() support for ASN.1 library. Initial patch for large OID components.


- Maria Ivanova &lt;maria.ivanova&#064gmail.com&gt; - support for tags > 30 in ASN.1 parsing.

- Armin H&auml;uuml;blering &lt;arminha&#064student.ethz.ch&gt; - first cut of internationalisation, initial PKIX validation classes.

- Marius Schilder &lt;mschilder&#064gmail.com&gt; - main set of test vectors for Bleichenbacher's forgery attack.

- Xavier Le Vourch &lt;xavier&#064britannysoftware.com&gt; - general code clean ups.

- Erik Tews &lt;e_tews&#064cdec.informatik.tu-darmstadt.de&gt; - initial threaded random seed generator.
constant-time PKCS#1.5 decoding</li><li>Thomas Dixon &lt;reikomusha&#064gmail.com&gt; - initial implementations of TEA/XTEA, Salsa20, ISAAC, and Noekeon. XTEA enhancements.</li><li>Frank Cornelis &lt;info&#064frankcornelis.be&gt; - addition of crlAccessMethod in X509ObjectIdentifiers.</li><li>Rui Joaquim &lt;rjoaquim&#064.isel.ipl.pt&gt; - initial implementation of RSA blinding for signatures.</li><li>David Stacey &lt;DStacey&#064allantgroup.com&gt; - addition of trust packet checking on revocation signatures in PGP SecretKeyRing.</li><li>Martijn Brinkers &lt;list&#064mitm.nl&gt; - better exception handling in CMS enveloping, "just in time" modifications for CRL and Sequence evaluation.</li><li>Julius Davies &lt;juliusdavies&#064gmail.com&gt; - additional modes and algorithm support in PEMReader</li><li>Matthias &lt;g&#064rtner.de&gt; - GnuPG compatibility changes for PBEFileProcessor.</li><li>Olga K&amp;uuml;lther &lt;olga.kaethler&#064hjp-consulting.com&gt; - initial implementation of TeleTrusT EC curves, additional ISO 9797 MACs, contributions to EAC OIDs, addition of EAC algorithms to CMS Signing.</li><li>Germano Rizzo &lt;germano.rizzo&#064gmail.com&gt; - initial implementation of CMac, EAX, HC-128, and HC-256, optimisations for Salsa20.</li><li>N&amp;iacute;lare Mar&amp;iacute; &lt;numaa&#064hotmail.com&gt; - patch for alternate data type recognition in CMS SignedDataParser.</li><li>Janis Schuller &lt;js&#06404tzi.de&gt; - addition of NotationData packets for OpenPGP.</li><li>Michael Samblanet &lt;mike&#064samblanet.com&gt; - patches towards improved Sun/default provider support in CMS.</li><li>Mike StJohns &lt;mstjohns&#064064comcast.net&gt; - patches for supporting empty subject in X.509 certificate generation, noneWithECDSA, updates to KeyPurposeId.</li><li>Ramon Keller &lt;ramon.keller&#064064gmx.ch&gt; - patch to deal with null revocations return from other CRL in X509V2CRLGenerator.</li><li>Mark Nelson &lt;mark&#064064nbr.com&gt; - correction to excluded DN in name constraints processing for PKIX processing.</li><li>Eugene Golushkov &lt;eugene_gff&#064064ukr.net&gt; - mask fix to single byte read in TlsInputStream.</li><li>Julien Pasquier &lt;JulienPasquier&#064free.fr&gt; - additional classes for supporting signature policy and signer certificates in the ASN.1 esf and ess libraries.</li><li>Peter Knopp &lt;pknopp&#064064mtg.de&gt; - fix for named curve recognition in ECGOST key generation.</li><li>Jakub Gwozdz &lt;jakub.gwozdz@#064rgpl.pl&gt; - addition of getTsa() to TimeStampTokenInfo.</li><li>Bartosz Malkowski &lt;bmalkow&#064064tigase.org&gt; - initial implementation of VMPC cipher, VMPCRandonGenerator, VMPCMac.</li><li>Tal Yacobi &lt;tal.yacobi@#064octavian-tech.com&gt; - fix for issue in OpenPGP examples [#BJA-55].</li><li>Massimiliano Zicardi &lt;massimiliano.zicardi@#064gmail.comt&gt; - support for counter signature reading in CMS API, update for multiple counter signature attributes, JCA compliance patch for PEM parsing in CertificateFactory.</li><li>Andrey Pavlenko &lt;andrey.a.pavlenko@#064gmail.com&gt; - security manager patch for PKCS1Encoding property check.</li><li>J Ross Nicoll &lt;jrn@#064jrn.me.uk&gt; - improved exception handling for getInstance() in ASN.1 library.</li><li>Matthew Stevenson &lt;mavricknz@#064yahoo.com&gt; - patch to construtor for CRMF CertSequence.</li><li>Gabriele Contini &lt;gcontini@#064hotpop.com&gt; - identified a bug in ASN.1 library with handling of unterminated NDEF's.</li><li>Roelof Naudé &lt;roelof.naude@#064epiuse.com&gt; - patch for TLS client to send empty client certs in response to HP_CERTIFICATE_REQUEST.
Patrick Peck &lt;peck@signature.at&gt; - identified problem with DERApplicationSpecific and high tag numbers in ASN.1 library.

Michael LeMay &lt;lemaymd@064lemaymd.com&gt; - identified problem with EAX [#BIA-93].

Alex Dupre &lt;ale@064FreeBSD.org&gt; - fix to use of Signature rather than SignatureSpi in provider [#BIA-90]. Addition of null provider use to SignedPublicKeyAndChallenge and PKCS10CertificationRequest [#BIA-102].

Michael Schoene &lt;michael@064sigrid-und-michael.de&gt; - fix of improper handling of null in ExtendedPKIXParameters.setTrustedACIssuers(), check for V2 signingCertificate attribute in TimeStampResponse.validate().

Ion Larrañagtilde;aga &lt;ilarra@064s21sec.com&gt; - fix to default partial packet generation in BCPGOutputStream.

Bob Kerns &lt;bob.kerns@positscience.com&gt; - fix to hashCode for X509CertificateObject.

Henrik Andersson &lt;k.henrik.andersson@064allanbank.com&gt; - speedups for OpenPGPCFB mode, clean room JCE patches.

Rui Hodai &lt;ru@064po.ntts.co.jp&gt; - speed ups for Camellia implementation, CamelliaLightEngine.

Emir Bucalovic &lt;emir.bucalovic@064mail.com&gt; - initial implementation of Grain-v1 and Grain-128.

Torbjorn Svensson &lt;bob@064positscience.com&gt; - initial implementation of Grain-v1 and Grain-128.

Paul FitzPatrick &lt;bouncecastle_pfitz@064fitzpatrick.cc&gt; - error message fix to X509LDAPCertStoreSpi, comparison fix to BCRestrictStyle.

Henrik Andersson &lt;k.henrik.andersson@064gmail.com&gt; - addition of UniqueIssuerID to certificate generation.

Cagdas Cirit &lt;cagdas.cirit@064gmail.com&gt; - subjectAlternativeName fix for x509CertStoreSelector.

Harakiri &lt;harakiri-23@yahoo.com&gt; - datahandler patch for attached parts in SMIME signatures.

Pedro Henriques &lt;pmahenriques@064gmail.com&gt; - explicit bounds checking for DESKeyGenerator, code simplification for OAEPEncoding.

Lothar Kimminger &lt;job@064kimminger.de&gt; - verbose mode for ASN1Dump, support for DERExternal, DNS performance fix for S/MIME API.

Richard Farr &lt;r.t.farr.se@064gmail.com&gt; - initial SRP-6a implementation.

Thomas Castiglione &lt;castiglione@064au.ibm.com&gt; - patch to encoding for CRMF OptionalValidity.

Elisabetta Romani &lt;eromani@064sogei.it&gt; - patch for recognising multiple counter signatures.

Robin Lundgren &lt;r737lundgren@064gmail.com&gt; - CMPCertificate constructor from X509CertificateStructure fix.

Petr Kadlec &lt;mormegil@064centrum.cz&gt; - fix to sign extension key and IV problem in HC-128, HC-256.

Andreas Antener &lt;antener_a@064gm.ch&gt; - fix to buffer reset in AsymmetricBufferedBlockCipher.

Harendra Rawat &lt;hsrawat@064yahoo.com&gt; - fix for BERConstructedOctetString.

Rolf Lindemann &lt;lindemann@064trustcenter.de&gt; - patch for PKCS12 key store to support more flexible attribute specifications [#BMA-42].

Alex Artamonov &lt;alexart.home@064gmail.com&gt; - name look up patch for GOST-2001 parameters.

Mike Lyons &lt;mlyons@064layer7tech.com&gt; - work arounds for EC JDK bug 6738532 and JSSE EC naming conventions.

Chris Cole &lt;chris_h_cole@064yahoo.com&gt; - identified a problem handling null passwords when loading a BKS keystore.

Tomas Krivaneck &lt;tom@064atack.cz&gt; - added checking of Sender header to SignedMailValidator.

Michael &lt;emfau@064t-online.de&gt; - correction of field error in getResponse method in CertRepMessage.
<li>Trevor Perrin &lt;trevor#064cryptography.com&gt; addition of constant time equals to avoid possible timing attacks.</li>
<li>Markus Kil&amp;aring;ns &lt;markus#064primekey.se&gt; several enhancements to TimeStampResponseGenerator.</li>
<li>Dario Novakovic &lt;darionis#064yahoo.com&gt; fix for NPE when checking revocation reason on CRL without extensions.</li>
<li>Michael Smith &lt;msmith#064cbnco.com&gt; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.</li>
<li>Andrea Zilio &lt;andrea.zilio#064gmail.com&gt; fix for PEM password encryption of private keys.</li>
<li>Markus Kil&amp;aring;ns &lt;markus#064primekey.se&gt; several enhancements to TimeStampResponseGenerator.</li>
<li>Dario Novakovic &lt;darionis#064yahoo.com&gt; fix for NPE when checking revocation reason on CRL without extensions.</li>
<li>Michael Smith &lt;msmith#064cbnco.com&gt; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.</li>
<li>Andrea Zilio &lt;andrea.zilio#064gmail.com&gt; fix for PEM password encryption of private keys.</li>
<li>Michael Smith &lt;msmith#064cbnco.com&gt; bug fixes and enhancements to the CMP and CRMF classes, initial Master List classes.</li>
<li>Andrea Zilio &lt;andrea.zilio#064gmail.com&gt; fix for PEM password encryption of private keys.</li>
<li>Andy Neilson &lt;Andy.Neilson@064quest.com&gt;: a further patches to deal with multiple providers and PEMReader.</li>
<li>Ted Shaw &lt;xiao.xj@064gmail.com&gt;: patch to MiscPEMGenerator for handling new PKCS10CertificationRequests.</li>
<li>Eliriseth &lt;Eliriseth@064WPECGLtYybV18Rf67Vz1Lvd2EUW99v3yNV3IWROG8.fms&gt;: speed up for SIC/CTR mode. Provider compatibility generalisations for EC operations.</li>
<li>Kenny Root &lt;kenny@064the-b.org&gt;: patch for issuerAltName, subjectAltName support in X509CertificateObject. BaseBlockCipher.getIV() patch for AEAD.</li>
<li>Maarten Bodewes &lt;maarten.bodewes@064gmail.com&gt;: initial implementation of HKDF and NIST SP 800-10 MAC based KDF functions.</li>
<li>Philip Clay &lt;pilf_b@064g@yahoo.com&gt;: Initial implementation of J-PAKE.</li>
<li>Brian Carlstrom &lt;bc@064carlstrom.com&gt;: compliance patches for some JCA/JCE keystore and cipher classes, miscellaneous code quality improvements, initial provider PBKDF2WithHmacSHA1 SecretKeyFactory.</li>
<li>Samuel Lidéirteen:Borell &lt;samuel@primekey.se&gt;: patch to add DSTU-4145 to DefaultSignatureAlgorithmFinder.</li>
<li>Sergio Demian Lerner &lt;sergiolerner@certimix.com&gt;: pointing out isInfinity issue in ECDSASigner signature verification.</li>
<li>Tim Whittington &lt;Tim.Whittington@064orionhealth.com&gt;: patch to remove extra init call in CMac, additional of Memoable interface for Digest classes, initial implementation of GMAC, further correctness tests for IV and reset processing in OCB, CCM, and block cipher reset. Initial implementation of Skein, XSalsa20, ChaCha, reduced round Salsa20, Threefish, and the Poly1305 MAC. Documentation updates. Added OCB support to Noekeon and CAST6 in the provider, exception testing for CTS, optimisations for CCM, provider support for AAD cipher methods, safe CipherInput/OutputStream implementations for use with AAD and subsequent bug fixes, cleanup after IDEA patent expiry, work on JCE SipHash support, optimisations for AESFastEngine, further work on EncodableDigest for SHA-2 digests, contributions to BCrypt/OpenBSDCrypt, PGP API documentation and code quality work.</li>
<li>Marcus Lundblad &lt;marcus.lundblad@064primekey.se&gt;: patch for working around JDK jarsigner TSP bug, optional setting of IssuerSerial in TimeStampTokenGenerator, additional extensions enhancement for time stamp token generation.</li>
<li>Andrey Zhozhin &lt;zhozhin@064xrm.ru&gt;: patch for override of TSP SignerInfo attributes.</li>
<li>Sergey Tiunov &lt;t5555d@064gmail.com&gt;: initial cut of DVCS classes.</li>
<li>Damian Kolasa &lt;fatfredyy@064gmail.com&gt;: ASN1Sequence patch for class cast issue in X9Curve.</li>
<li>Ash Hughes &lt;ashley.hughes@064blueyonder.co.uk&gt;: patches for supporting PGP Signature/PGP Secret Keys encodings with empty private keys, initial code for PGPSignatureSubpacketVector.getEmbeddedSignatures().</li>
<li>Andrea Hirscher &lt;dev@064daniel-hirscher.de&gt;: patch to support parsing of explicit EC parameters in PEM files.</li>
<li>Daniele Ricci &lt;daniele.athom@064gmail.com&gt;: initial implementation of EC keys for OpenPGP and RFC6637 support.</li>
<li>Matti Aarnio &lt;matti.aarnio@064methics.fi&gt;: tweaks to any build to remove dependence on shell scripts. Initial SM3 digest implementation, some EC related code cleanups, JavaDoc improvements for ASN.1 classes, addition of NONEwithRSA to lightweight RSADigestSigner.</li>
<li>Babak Najafi &lt;bnajafi@064akamai.com&gt;: fixes to OpenPGP NotationData to prevent truncation problems.</li>
<li>Eric M&amp;uuml;ller &lt;eric.mueller@064sage.de&gt;: additional standard algorithm name lookups in JcaPEMKeyConverter.</li>
<li>Mathias Herberts &lt;Mathias.Herberts@064gmail.com&gt;: fix to inOff usage in RFC3394WrapEngine.
Daniil Ivanov &lt;daniil.ivanov#064gmail.com&gt; addition of provider support for GOST HMAC SecretKeyFactory.

Daniele Grasso &lt;daniele.grasso86#064gmail.com&gt; contributions to final Key calculation code for SRP6.

Andrey Utkin &lt;cindrhc#064gmail.com&gt; patch to reconstruction of ECGOST keys from PrivateKeyInfo objects in provider classes.

Arnis Tartu &lt;arnis#064ut.ee&gt; checker for generated key vs OID in JceCMSContentEncryptorBuilder.

Axel VDB &lt;axel-vdb#064riseup.net&gt; initial implementation of Shacal2.

Roberto Tyley &lt;tyley#064com&gt; further work on completing gradle build.

Waldemar Dick &lt;wdick#064devmue.de&gt; code improvement in x500 ASN.1 package.

Sid Steward &lt;sid.steward#064pdflabs.com&gt; code improvements to ASN1Boolean.

Alex Klyubin &lt;klyubin#064google.com&gt; AlgorithmParameters check for EC key agreement.

Jonathan Gillett &lt;gsoe.student#064gmail.com&gt; Initial support for block cipher IVs in IESEngine, IES MAC length check bug fix.

Andreas Reiter &lt;andreas.reiter#iaik.tugraz.at&gt; Reported incomplete status of CertificateVerify processing in (D)TLS server, and provided fix.

Kieran Miller &lt;kieran.miller#064gmail.com&gt; initial implementation for RFC 5649 key wrap with padding.

Oliver Ehli &lt;ehli#064arago.de&gt; Additional support for BSI plain ECDSA in the provider.

Daniel Heldt &lt;Daniel.Heldt#064cryptovision.com&gt; Initial support for encodable state message digests

Robert Bushman &lt;bouncycastle#064traxel.com&gt; Clean up of DirectKeySignature example.

Maurice Aarts &lt;aarts#064risec.com&gt; updated to KDF generator to follow NIST SP 800-108.

Franziskus Kiefer &lt;https://github.com/franziskuskiefer&gt; initial implementation of Cramer-Shoup.

KB Sriram &lt;mail_kb#yahoo.com&gt; testing for odd encodings for PGP User Attribute Subpackets.

Marco Schulze &lt;marco#064nightlabs.de&gt; Reported verification bug in GenericSigner.

Martin Schaef &lt;https://github.com/martinschaef&gt; contributed a code-cleanup patch.

dstutz &lt;https://github.com/dstutz&gt; added iteration count setters to PKCS#12 PBE mac/key generator builders.

Tobias Wich &lt;https://github.com/tobias.wich#064ecsec.de&gt; Provided patch for TLS to work around servers sending Supported Elliptic Curves extension unexpectedly.

Hauke Mehrtens &lt;https://github.com/hauke#064hauke-m.de&gt; TLS patch to add ECDHE_ECDSA CCM ciphersuites from RFC 7251.

Daniel Zimmerman &lt;dmz#064galois.com&gt; Further key quality improvements to RSAKeyPairGenerator.

Jens Kapitza &lt;https://github.com/jenskapitza#064schwarze-allianz.de&gt; Iterable support in OpenPGP API, code cleanup in OpenPGP API.

Johan Eklund &lt;johan#064primekey.se&gt; update to RFC 6960 for OCSPObjectIdentifiers.

nikosn &lt;https://github.com/nikosn&gt; Fix to encoding of EC private keys to ensure encoding matches order length.

Axel von dem Bruch &lt;axel-vdb#064riseup.net&gt; Contributions to BCrypt/OpenBSDBCrypt, original version of Blake2bDigest.

Derek Atkins &lt;derek#064ihtfp.com&gt; Documentation fixes to X9ObjectIdentifiers.

Peter Jr Halicky &lt;peto#064halicky.sk&gt; Correction to notification/error message handling in SignedMailValidator.

lartiguePierre &lt;https://github.com/lartiguePierre&gt; Fix for counter signature SID in CMSSignedData.
 Thomas Belot &lt;thomas.belot+BC#064gmail.com&gt; initial CertPathLoopTest for demonstrating stack overflow issue.

 Rich DiCroce &lt;https://github.com/rdicroce&gt; Initial implementation of server-side TLS-SRP support. TLS API extension to support non-blocking usage.

 Björn Kautler &lt;https://github.com/Vampire&gt; Refinements to cert path validation (authority key addition, certificate order preservation).

 Dominik Schümmann &lt;https://github.com/dschuermann&gt; method for returning signatures/verifications without user IDs on PGPPublicKey, method for exposing S2K in PGPSecretKey, constants for GNU protection modes in S2K classes, optional version header for armored output.

 Michael &lt;https://github.com/606web.de&gt; initial fix for bitStrength issue for OpenPGP EC keys, correction for generic type on RecipientInformationStore.

 Tobias Wagner &lt;https://github.com/tobias.wagner#064n-design.de&gt; Fix SecureRandom handling in BcAsymmetricKeyWrapper [#BJA-536].

 Sergio Giro &lt;https://github.com/sgiro#064google.com&gt; Fixed adding of additional stores from CRL distribution point [#BJA-537]. Fixed missing null check for CRL certificate issuer [#BJA-538], removal of risky zeroisation code in PBE.java, check for salt in PBEKeys that require it.

 bschuette &lt;https://github.com/bschuette&gt; Fixed typo in DefaultSignatureAlgorithmIdentifierFinder, additional methods on CMSSignedDataParser.

 Leonard Dallot &lt;https://github.com/dallotTazTag&gt; Fix to S2K usage of none on changing passwords on keys without passwords originally.

 Jan Willem Janssen &lt;j.w.janssen+bouncycastle#064ixtreme.nl&gt; Support for DSAParameters in lightweight SubjectPublicKeyInfoFactory, initial object signer verifier for BC lightweight EC.


 Kai Kramer &lt;kai.kramer#064gmail.com&gt; Code to deal with orphaned chain certificates in the PKCS#12 KeyStore.

 Benoit Charles &lt;https://github.com/berenguel&gt; Fix to IES data length check on decryption.

 Niko &lt;nfnik95#064gmail.com&gt; fix to cast issue in getOutputSize() for ECIES.

 akwizgran &lt;https://github.com/akwizgran&gt; Fixed clone of key in Blake2bDgest copy constructor, Blake2b reset issue for variant keys.

 Matthias Edelhoff &lt;https://github.com/Matthias.Edelhoff#064cryptovision.com&gt; BasicConstraintsValidation pathlen fix in PKIX certpath classes.

 Lukasz Deputat &lt;lukasz.deputat#064gmail.com&gt; Fixed bugs in TLSUtils read methods [#BJA-592].

 Justin Ludwig &lt;https://github.com/justinludwig&gt; Iterator fix for PGObjectFactory to handle stream packets at start of iterated data.

 Andrzejacute; Berenguel &lt;https://github.com/berenguel&gt; Fix to include ECNamedCurveSpec in EC AlgorithmParameterSpi.

 Slawomir Jaranowski &lt;https://github.com/slavecjaranowski&gt; Patch to make cipher/hash/signature name methods in PGP internal API public.


 William Glanton &lt;https://github.com/wglanton77#064gmail.com&gt; Fixed bug in Poly1305 [#BJA-620].

 jdvorak001 &lt;https://github.com/jdvorak001&gt; Speed improvements for ASN.1 ObjectIdentifier cache.

 Joseph Naegel &lt;jenaegel#064grierforensics.com&gt; Patch for handling multiple certificates in a DANE SMIMEA entry.


 The Google Security Team (Project Wycheproof) &lt;https://github.com/google/wycheproof&gt; defect analysis and additional test cases for the provider.

 Gorka Irazoqui &lt;https://github.com/girazoki#064wpi.edu&gt; from Intel Security Center of Excellence &lt;https://security-
center.intel.com/> detection of the issue with AESFastEngine (CVE-2016-1000339), additional suggestions for improvement to hardening of AESEngine and finding cache sensitivities in EC key generation/signing.</li>
<li>Joerg Senekowitsch &lt;joerg.senekowitsch&#064veridos.com&gt; patch to deal with hard coded boolean in EAC ECDSAPublicKey.</li>
<li>Alexandr Krivoshta &lt;wipe&#064ya.ru&gt; N4 calculation fix to GOFB mode.</li>
<li>Artem Storozhuk &lt;storojis72&#064gmail.com&gt; N4 calculation fix to GOFB mode.</li>
<li>Na Yu &lt;na.yu#064samsung.com&gt; Constructor patches to CMC PKIData.</li>
<li>Evangelos Karatsiolis &lt;ekaratsiolis&#064#064mtg.de&gt; Corrected use of explicit tagging in X.509 PolicyConstraints class.</li>
<li>VivleSoren &lt;https://github.com/VivleSoren&gt; additional constructor for McElieceCCA2PrivateKeyParameters.</li>
<li>mtausig &lt;https://github.com/mtausig&gt; JavaDoc fix for MCSEncryptedDataGenerator.</li>
<li>Sebastian Wolfgang Roland &lt;sebastianwolfgang.roland#064stud.tu-darmstadt.de&gt; Initial XMSS/XMSSMT implementation.</li>
<li>didisoft &lt;https://github.com/didisoft&gt; test code for PGP signature removal involving user ids.</li>
<li>Mike Safonov &lt;https://github.com/MikeSafonov&gt; initial implementation of GOST3410-2012 for lightweight provider and JCA, parameters patches for ECOST keys, initial implementation of GOST3412-2015, addition of fromExtensions() for CRLDistPoint.</li>
<li>Artem Storozhuk &lt;storojis72&#064gmail.com&gt; initial implementation of DSTU7564 (digest) and DSTU7624 (cipher) and their associated modes.</li>
<li>Andreas Glaser &lt;andreas.glaser#064gi-de.com&gt; patch to recognise ANSSI curves for PKCS#10 requests.</li>
<li>codeborne &lt;https://github.com/cbxp&gt; patch to correct OIDs used in public key digest parameters for ECOST-2012.</li>
<li>FauxFaux &lt;https://github.com/FauxFaux&gt; patch for JDK 1.9 update to DRBG.java.</li>
<li>4garbage &lt;https://github.com/4garbage&gt; patch to allow GOST3410-94 private keys encoded as integers.</li>
<li>ekszz &lt;https://github.com/ekszz&gt; corrections to SM2 signer to include default identity value.</li>
<li>jminer &lt;https://github.com/jminer&gt; fix to Blake2b for hashes in range of 2**64-127 to 2**64.</li>
<li>str4d &lt;https://github.com/str4d&gt; initial implementation of Blake2s.</li>
<li>Scott Woodward &lt;scott#064bit3consulting.com&gt; performance fixes for CTRSP800DRBG.</li>
<li>David Straw &lt;https://github.com/isomarcte&gt; fix for off by one error in SCRYPT bounds checking.</li>
<li>christmccown &lt;0xchristmccown#064gmail.com&gt; identification of serialisation issue with XMSS/XMSSMT private keys (see also CVE-2018-1000613).</li>
<li>ZZMarquis &lt;https://github.com/ZZMarquis&gt; offset patches for SM2 encryption and decryption, improvement to Array constant time comparison.</li>
<li>Andreas Kretschmer &lt;https://github.com/Akretsch&gt; NPE fix for CertTemplate.getVersion()</li>
<li>Armin Lunkeit, Michael Tautenhahn &lt;@&gt; identification of M-R test issue on higher certainty values in RSA key pair generation.</li>
<li>Vincent Breitmoser &lt;https://github.com/Valodim&gt; fix to ignore unnecessary checksum calculator on PGP secret key encryption.</li>
<li>Adam Vartanian &lt;https://github.com/flooey&gt; use of ShortBuffer exception and buffer size pre-check in Cipher.doFinal().</li>
<li>Bernd &lt;https://github.com/ecki&gt; Fix to make PGPUtility.pipeFileContents use buffer and not leak file handle.</li>
<li>Shartung &lt;https://github.com/shartung&gt; Additional EC Key Agreement algorithms in support of German
BSI TR-03111.

Paul Schaub &lt;https://github.com/vanitasvitae&gt;: bringing PGPSecretKey.getUserId() into line with
PGPPublicKey.getUserId(). Exception message fix in BcPublicKeyDataDecryptorFactory. Additional tests on PGP
key ring generation.

Nick of Nexxar &lt;https://github.com/nros&gt;: update to OpenPGP package to handle a broader range of EC
curves.

catbref &lt;https://github.com/catbref&gt;: sample implementation of RFC 7748/Ed25519 (incorporated work
from github users Valodim and str4d as well).

gerlion &lt;https://github.com/gerlion&gt;: detection of concurrency issue with pre-1.60 EC math library.

fgrieu &lt;https://github.com/fgrieu&gt;: identification and suggested fixes for possible timing vulnerability in
OAEPEncoding and RSACoreEngine.

MTG &lt;https://github.com/mtgag&gt;: patch for decoding issues in PKIPublicationInfo and
CertifiedKeyPair.

Andreas Gadermaier &lt;https://github.com/up.gadermaier&gt;: initial version of Argon2 PBKDF algorithm.

Tony Washer &lt;https://github.com/tony.washer@yahoo.co.uk&gt;: review of qTesla. Java 1.9 module code, additional test code
and debugging for GOST, DSTU, and ECNR algorithms. Initial lightweight implementation of the ZUC ciphers and
macs.

Vincent Bouckaert &lt;https://github.com/veebec&gt;: initial version of RFC 4998 ASN.1 classes.

Tony Washer &lt;https://github.com/tonywasher&gt;: ECIESKeyEncapsulation fix for use of OldCofactor mode.
Submitted ChaCha20Poly1305 prototype.

Gabriel Sroka &lt;https://github.com/gabrielsroka&gt;: corrected comments in RSA validation.

sarah-mdv &lt;https://github.com/sarah-mdv&gt;: improvements to JceKeyTransRecipientInfoGenerator, tests
for JournalingSecureRandom, initial implementation of JournaledAlgorithm.


Gillis95 &lt;https://github.com/Gillis95&gt;: improved JSSE compatibility for setEnabledCipherSuites.


Antoine Toulme &lt;https://github.com/atoulme&gt;: Initial implementation of EthereumIESEngine.


Moses Palm&amp;apos;eau&amp;apos;er, TrueSec &lt;https://github.com/truesec&gt;: Additional improvements to constant
time comparisons.

Ren&amp;apos;eacute; Korthaus &lt;https://github.com/securitykernel&gt;: Update to XMSS/XMSS^MT OID values to
bring them in line with RFC 8391.


Gaylor Bosson &lt;https://github.com/Gilthoniel&gt;: Initial implementation of Blake2xs.

gaalalaire &lt;https://github.com/gaalalaire&gt;: Patch for unprotected PGP private keys as SExpr.


Nick hitchan &lt;https://github.com/hitchan&gt;: Fix for typo in engineInitSign() in EdEc SignatureSpi.


danielheldt &lt;https://github.com/danielheldt&gt;: Fixing encodings in unicode tests to allow a wider range of Java
compilers to work. Tweak to inheritance in JceKeyAgreeRecipient.

Ugochukwu Mmaduekwe &lt;https://github.com/Xor-el&gt;: Fix for initially bugged legacy
Integers.number0fLeadingZeros method.

Gsealy &lt;https://github.com/Gsealy&gt;: addition of PBKDF2withHmacSM3 to the provider.

aphuang2013 &lt;https://github.com/aphuang2013&gt;: update to path validation in EST service for ClearPath
EST.

Kevin Herron &lt;https://github.com/kevinherron&gt;: Initial ChaCha20Poly1305 prototype.

vkreml &lt;https://github.com/svkreml&gt;: GOST compliance change for
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Please keep the following list in alphabetical order.

Suman Anna
Sripal Bagadia
Felipe Balbi
Ohad Ben-Cohen
Phil Carmody
Deepak Chitriki
Felipe Contreras
Hiroshi Doyu
Seth Forshee
Ivan Gomez Castellanos
Mark Grosen
Ramesh Gupta G
Fernando Guzman Lugo
Axel Haslam
Janet Head
Shivananda Hebbar
Hari Kanigeri
Tony Lindgren
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Hari Nagalla
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Nishanth Menon
Ameya Palande
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Rebecca Schultz Zavin
Bhavin Shah
Andy Shevchenko
Jeff Taylor
Roman Tereshonkov
Armando Uribe de Leon
Nischal Varide
Wenbiao Wang
Contributors to bttv:

Michael Chu <mmchu@pobox.com>
AverMedia fix and more flexible card recognition

Alan Cox <alan@lxorguk.ukuu.org.uk>
Video4Linux interface and 2.1.x kernel adaptation

Chris Kleitsch
Hardware I2C

Gerd Knorr <kraxel@cs.tu-berlin.de>
Radio card (ITT sound processor)

bigfoot <bigfoot@net-way.net>
Ragnar Hojland Espinosa <ragnar@macula.net>
ConferenceTV card

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

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative
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END OF TERMS AND CONDITIONS

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/* nicstar.c v0.22 Jawaid Bazyar (bazyar@hypermall.com)
 * nicstar.c, M. Welsh (matt.welsh@cl.cam.ac.uk)
 */
* Hacked October, 1997 by Jawaid Bazyar, Interlink Advertising Services Inc.
  * http://www.hypermall.com/
  * 10/1/97 - commented out CFG_PHYIE bit - we don't care when the PHY
 interrupts us (except possibly for removal/insertion of the cable?)
  * 10/4/97 - began heavy inline documentation of the code. Corrected typos
 and spelling mistakes.
  * 10/5/97 - added code to handle PHY interrupts, disable PHY on
 loss of link, and correctly re-enable PHY when link is
 re-established. (put back CFG_PHYIE)
  *
  * Modified to work with the IDT7721 nicstar -- AAL5 (tested) only.
  *
  * R. D. Rechenmacher <ron@fnal.gov>, Aug. 6, 1997
  *
  * Linux driver for the IDT77201 NICStAR PCI ATM controller.
  * PHY component is expected to be 155 Mbps S/UNI-Lite or IDT 77155;
 see init_nicstar() for PHY initialization to change this. This driver
 expects the Linux ATM stack to support scatter-gather lists
  * (skb->atm.iovcnt != 0) for Rx skb's passed to vcc->push.
  *
  * Implementing minimal-copy of received data:
  * IDT always receives data into a small buffer, then large buffers
 as needed. This means that data must always be copied to create
 the linear buffer needed by most non-ATM protocol stacks (e.g. IP)
 Fix is simple: make large buffers large enough to hold entire
 SDU, and leave <small_buffer_data> bytes empty at the start. Then
 copy small buffer contents to head of large buffer.
 Trick is to avoid fragmenting Linux, due to need for a lot of large
 buffers. This is done by 2 things:
 1) skb->destructor / skb->atm.recycle_buffer
 combined, allow nicstar_free_rx_skb to be called to
 recycle large data buffers
 2) skb_clone of received buffers
 See nicstar_free_rx_skb and linearize_buffer for implementation
 details.
 *
 *
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* Foundation, Inc., 675 Mass Ave, Cambridge, MA 02139, USA.
* M. Welsh, 6 July 1996
*
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for his contributions to the dvb-net driver

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procedure and CyberLogin is no longer used.)

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Andreas Oberritter <obi@linuxtv.org>
Dennis Noermann <dennis.noermann@noernet.de>
Felix Domke <tmbinc@elitedvb.net>
Florian Schirmer <jolt@tuxbox.org>
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Roberto Ragusa <r.ragusa@libero.it>
Augusto Cardoso <augusto@carhil.net>
for all the work for the FlexCopII chipset by B2C2,Inc.

Davor Emard <emard@softhome.net>
for his work on the budget drivers, the demux code,
the module unloading problems, ...

Hans-Frieder Vogt <hfvogt@arcor.de>
for his work on calculating and checking the crc's for the
TechnoTrend/Hauppauge DEC driver firmware

Michael Dreher <michael@5dot1.de>
Andreas 'randy' Weinberger
for the support of the Fujitsu-Siemens Activy budget DVB-S

Kenneth Aafly <ke-aa@frisurf.no>
for adding support for Typhoon DVB-S budget card

Ernst Peinlich <e.peinlich@inode.at>
for tuning/DiSEqC support for the DEC 3000-s

Peter Beutner <p.beutner@gmx.net>
for the IR code for the ttusb-dec driver

Wilson Michaels <wilsonmichaels@earthlink.net>
for the lgdt330x frontend driver, and various bugfixes

Michael Krufky <mkrufky@m1k.net>
for maintaining v4l/dvb inter-tree dependencies

Taylor Jacob <rtjacob@earthlink.net>
for the nxt2002 frontend driver

Jean-Francois Thibert <jeanfrancois@sagetv.com>
for the nxt2004 frontend driver

Kirk Lapray <kirk.lapray@gmail.com>
for the or51211 and or51132 frontend drivers, and
for merging the nxt2002 and nxt2004 modules into a
single nxt200x frontend driver.

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1.103 annotations 1.3.9

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1.104 cyrus-sasl 2.1.26 23.el7

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl
These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.
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1.108 harfbuzz 1.3.2 1.el7

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1.111 log4j-api 2.17.1

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1.127 apache-log4j 1.2.12

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1.128 jetty-xml 9.4.18.v20190429

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* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

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* java.sun.security.ssl

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
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org.apache.tomcat:tomcat-jasper-el
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org.apache.tomcat:tomcat-util-scan
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org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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$Id: LICENSE.txt 156 2003-09-26 17:36:37Z jstrachan $

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1.134 jetty-plus 9.4.18.v20190429

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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* java.sun.security.ssl

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http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.135 gson 2.6

1.136 javapackages 1.0.0

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core
The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache
The following artifacts are ASL2 licensed.

- org.apache.taglibs:taglibs-standard-spec
- org.apache.taglibs:taglibs-standard-impl

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from
following Apache Tomcat jars, all ASL2 licensed.

- org.mortbay.jasper:apache-jsp
- org.apache.tomcat:tomcat-jasper
- org.apache.tomcat:tomcat-juli
- org.apache.tomcat:tomcat-jsp-api
- org.apache.tomcat:tomcat-el-api
- org.apache.tomcat:tomcat-jasper-el
- org.apache.tomcat:tomcat-api
- org.apache.tomcat:tomcat-util-scan
- org.apache.tomcat:tomcat-util
- org.mortbay.jasper:apache-el
- org.apache.tomcat:tomcat-jasper-el
- org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

- https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
- org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.143 lvm2 2.02.171 8.el7

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

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The
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   (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

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

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

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Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable “work that
uses the Library”, as object code and/or source code, so that the
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Dan Winship
David Ignacio
David Zeuthen
Didier 'Ptitjes
dyfet@gnutelephony.org
Eduardo Lima Mitev
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 $Id: LICENSE.txt 1128 2006-02-05 21:49:04Z elharo $

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1.154 java-property-utils 1.9.1
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1.155 xfsprogs 4.5.0-18.el7

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1.162 fuse 2.9.2 11.el7

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* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/security/criteria/KeyLengthCriteria.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/security/keyinfo/StaticKeyInfoGenerator.java
* /opt/cola/permits/1000345062_1646171458.27/0/xmltooling-1-4-4-sources-jar/org/opensaml/xml/signature/X509Digest.java
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  jar/org/opensaml/xml/io/Unmarshaller.java
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Schema for XML Signatures
http://www.w3.org/2000/09/xmldsig#

$Revision: 1.2 $ on $Date: 2005/06/03 03:09:54 $ by $Author: cantor$

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*/
/**
  * Encodes and decodes to and from Base64 notation.
  *
  * Change Log:
  * </p>
  * <ul>
  * <li>v2.1 - Cleaned up javadoc comments and unused variables and methods. Added some convenience methods for reading
  * and writing to and from files.</li>
  * <li>v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems with other encodings (like EBCDIC).</li>
  * <li>v2.0.1 - Fixed an error when decoding a single byte, that is, when the encoded data was a single byte.</li>
  * <li>v2.0 - I got rid of methods that used booleans to set options. Now everything is more consolidated and cleaner.
  * The code now detects when data that's being decoded is gzip-compressed and will decompress it automatically.
  * Generally things are cleaner. You'll probably have to change some method calls that you were making to support the
  * new options format (<tt>int</tt>s that you "OR" together).</li>
  * <li>v1.5.1 - Fixed bug when decompressing and decoding to a byte[] using <tt>decode( String s, boolean gzipCompressed )</tt>. Added the ability to "suspend" encoding in the Output Stream
  * so you can turn on and off the encoding if you need to embed base64 data in an otherwise "normal" stream (like an XML
  * file).</li>
  * <li>v1.5 - Output stream passes on flush() command but doesn't do anything itself. This helps when using GZIP
  * streams. Added the ability to GZip-compress objects before encoding them.</li>
  * <li>v1.4 - Added helper methods to read/write files.</li>
  * <li>v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.</li>
  * <li>v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream where last buffer being read, if
  * not completely full, was not returned.</li>
  * <li>v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.</li>
  * <li>v1.3.3 - Fixed I/O streams which were totally messed up.</li>
  * </ul>
  *
  *
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  *
  *
  * @author Robert Harder
  * @author rob@iharder.net
**1.165 dbus-glib 0.100 7.el7**

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1.169 open-ldap 2.4.40 8.el7

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From: friedman@gnu.ai.mit.edu (Noah Friedman)
To: chet@po.cwru.edu
>Hi. I snagged some of your bash functions from your home directory on
>the FSF machines (naughty, I know), and I was wondering if you'd let
>me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in
~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and
es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)

From speccd@armory.com Wed May 10 10:21:11 1995
Flags: 10
Return-Path: speccd@armory.com
Received: from po.cwru.edu (root@po.CWRU.edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)
id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from speccd@armory.com for <chet@odin.INS.CWRU.Edu>)
Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
id BAA16354; Wed, 10 May 1995 01:33:22 -0400 (from speccd@armory.com for <chet@po.cwru.edu>)
From: John DuBois <speccd@armory.com>
Date: Tue, 9 May 1995 22:33:12 -0700
In-Reply-To: Chet Ramey <chet@odin.ins.cwru.edu>
"ksh scripts" (May 9, 1:36pm)
X-Www: http://www.armory.com/~speccd/
X-Mailer: Mail User's Shell (7.2.5 10/14/92)
To: chet@po.cwru.edu
Subject: Re: ksh scripts
Message-ID: <9505092233.aa13001@deepthought.armory.com>

Sure. The canonical versions are available on ftp.armory.com; you might
want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:
} Subject: ksh scripts
} From odin.ins.cwru.edu/chet Tue May 9 10:39:51 1995
} Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;
} 9 May 95 10:39 PDT
} Received: (chet@localhost) by odin.INS.CWRU.Edu (8.6.10+cwru/CWRU-2.1-ins)
} id NAA20487; Tue, 9 May 1995 13:39:24 -0400 (from chet)
} Date: Tue, 9 May 1995 13:36:54 -0400
} From: Chet Ramey <chet@odin.ins.cwru.edu>
Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for
the FSF.

I picked up a tar file of ksh scripts you wrote from an anon FTP site
a while back. I'd like your permission to include modified versions
of some of them in the next major bash distribution (with proper credit
given, of course). Is it OK if I do that?

Chet Ramey

''The lyf so short, the craft so long to lerne.'' - Chaucer

Chet Ramey, Case Western Reserve University Internet: chet@po.CWRU.Edu

-- End of excerpt from Chet Ramey

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

If you develop a new program, and you want it to be of the greatest
possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

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

<one line to give the program's name and a brief idea of what it does.>
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The hypothetical commands `show w' and `show c' should show the appropriate parts of the General Public License. Of course, the commands you use may be called something other than `show w' and `show c'; they could even be mouse-clicks or menu items--whatever suits your program.

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

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

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

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The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

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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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it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
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If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
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therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library
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contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

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

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

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more
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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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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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1.184 multipath-tools 0.4.9-111.el7

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1.185 spring-framework 3.1.4.RELEASE

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jar/org/springframework/core/env/ConfigurablePropertyResolver.java
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* /opt/ws_local/PERMITS_SQL/1068640233_1594447907.39/0/spring-core-3-1-4-release-sources-jar/org/springframework/core/env/ConfigurableEnvironment.java
* /opt/ws_local/PERMITS_SQL/1068640233_1594447907.39/0/spring-core-3-1-4-release-sources-jar/org/springframework/core/env/AbstractEnvironment.java
* /opt/ws_local/PERMITS_SQL/1068640233_1594447907.39/0/spring-core-3-1-4-release-sources-jar/org/springframework/core/convert/support/MapToMapConverter.java
* /opt/ws_local/PERMITS_SQL/1068640233_1594447907.39/0/spring-core-3-1-4-release-sources-jar/org/springframework/core/types/MethodMetadataReadingVisitor.java
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068640233_1594447907.39/0/spring-core-3-1-4-release-sources-
  jar/org/springframework/core/io/InputStreamSource.java

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068640233_1594447907.39/0/spring-core-3-1-4-release-sources-
  jar/org/springframework/core/ControlFlow.java
* /opt/ws_local/PERMITS_SQL/1068640233_1594447907.39/0/spring-core-3-1-4-release-sources-
  jar/org/springframework/core/ErrorCoded.java
* /opt/ws_local/PERMITS_SQL/1068640233_1594447907.39/0/spring-core-3-1-4-release-sources-
  jar/org/springframework/util/PropertiesPersister.java

1.186 perl 5.16.3-292.el7
1.186.1 Available under license:

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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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---
abstract: 'Build and install Perl modules'
author:
- 'Ken Williams <kwilliams@cpan.org>'
- "Development questions, bug reports, and patches should be sent to the\nModule-Build mailing list at <module-build@perl.org>.'"
build_requires:
  File::Temp: 0.15
  Test::Harness: 3.16
  Test::More: 0.49
generated_by: 'Module::Build version 0.3608'
license: gpl
meta-spec:
  url: http://module-build.sourceforge.net/META-spec-v1.4.html
  version: 1.4
name: Module-Build
resources:
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  version: 3

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Appendix: How to Apply These Terms to Your New Programs

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

<one line to give the program's name and a brief idea of what it does.>  
Copyright (C) 19yy  <name of author>

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

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

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

Yoyodyne, Inc., hereby disclaims all copyright interest in the program `Gnomovision' (a program to direct compilers to make passes at assemblers) written by James Hacker.

<signature of Ty Coon>, 1 April 1989  
Ty Coon, President of Vice
That's all there is to it!
This module is free software; you can redistribute it and/or
modify it under the same terms as Perl itself.

use strict;
use lib 't/lib';
use MBTest;
use DistGen;

plan 'no_plan';

# Ensure any Module::Build modules are loaded from correct directory
blib_load('Module::Build');

#-------------------------------------------------------------#
# Create test distribution
#-------------------------------------------------------------#
{
    my $dist = DistGen->new(
        name => 'Simple::Name',
        version => '0.01',
        license => 'perl',
    );

    $dist->regen;
    $dist->chdir_in;

    my $mb = $dist->new_from_context();
    isa_ok( $mb, "Module::Build" );
    is( $mb->license, 'perl',
        "license 'perl' is valid"
    );

    my $meta = $mb->get_metadata( fatal => 0 );

    is( $meta->{license} => 'perl', "META license will be 'perl'" );
    is( $meta->{resources}[license], "http://dev.perl.org/licenses/",
        "META license URL is correct"
    );
}

{
    my $dist = DistGen->new(
        name => 'Simple::Name',
        version => '0.01',
        license => 'VaporWare',
    );
$dist->regen;
$dist->chdir_in;

my $mb = $dist->new_from_context();
is_a_ok( $mb, "Module::Build" );
is( $mb->license, 'VaporWare',
   "license 'VaporWare' is valid"
);

my $meta = $mb->get_metadata( fatal => 0 );
is( $meta->{license} => 'unrestricted', "META license will be 'unrestricted'" );
is( $meta->{resources}{license}, "http://example.com/vaporware/",
   "META license URL is correct"
);
}

# Test with alpha number
# vim:ts=2:sw=2:et:sta:sts=2

1.187 libcap-ng 0.8.2-r0
1.187.1 Available under license :

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Version 2.1, February 1999

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^L

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table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
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*/opt/ws_local/PERMITS_SQL/1076403054_1596521912.1/0/zt-zip-1-14-sources-jar/org/zeroturnaround/zip/extra/ExtraFieldUtils.java
*/opt/ws_local/PERMITS_SQL/1076403054_1596521912.1/0/zt-zip-1-14-sources-jar/org/zeroturnaround/zip/extra/ZipShort.java
*/opt/ws_local/PERMITS_SQL/1076403054_1596521912.1/0/zt-zip-1-14-sources-jar/org/zeroturnaround/zip/extra/AsiExtraField.java
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* /opt/ws_local/PERMITS_SQL/1076403054_1596521912.1/0/zt-1-14-sources-
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jar/org/zeroturnaround/zip/ZipInfoCallback.java
* /opt/ws_local/PERMITS_SQL/1076403054_1596521912.1/0/zt-1-14-sources-
jar/org/zeroturnaround/zip/Zips.java
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jar/org/zeroturnaround/zip/ZipEntryCallback.java
* /opt/ws_local/PERMITS_SQL/1076403054_1596521912.1/0/zt-1-14-sources-
jar/org/zeroturnaround/zip/FileSource.java
* /opt/ws_local/PERMITS_SQL/1076403054_1596521912.1/0/zt-1-14-sources-
jar/org/zeroturnaround/zip/ZipUtil.java
* /opt/ws_local/PERMITS_SQL/1076403054_1596521912.1/0/zt-1-14-sources-
jar/org/zeroturnaround/zip/NameMapper.java
* /opt/ws_local/PERMITS_SQL/1076403054_1596521912.1/0/zt-1-14-sources-
jar/org/zeroturnaround/zip/timestamps/PreJava8TimestampStrategy.java
* /opt/ws_local/PERMITS_SQL/1076403054_1596521912.1/0/zt-1-14-sources-
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1.190 jackson-module-afterburner 2.11.2

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* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/base/CharMatcher.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/io/FileBackedOutputStream.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/collection/ImmutableSortedSet.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/util/concurrent/SerializingExecutor.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/collection/TreeBasedTable.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/primitives/Ints.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/collection/ImmutableMapKeySet.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/collection/UnmodifiableIterator.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/primitives/Booleans.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/collection/EmptyImmutableBiMap.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/collection/EmptyImmutableListMultimap.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/collection/peeking/PeekingIterator.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/collection/Table.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/collection/Collections2.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/collection/FluentIterable.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/collection/Platform.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/util/concurrent/ListeningFutureTask.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/primitives/Floas.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/collection/ImmutableMultiset.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/collection/Collections.java
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* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
  jar/jersey/repackaged/com/google/common/cache/LongAdder.java
* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-
  jar/jersey/repackaged/com/google/common/util/concurrent/AtomicDoubleArray.java

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* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/base/SmallCharMatcher.java

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* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/base/MoreObjects.java
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* /opt/cola/permits/1136113812_1613679412.19/0/jersey-guava-2-25-1-sources-4-jar/jersey/repackaged/com/google/common/math/MathPreconditions.java

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* /opt/cola/permits/1257772307_1643010283.4/0/disruptor-3-4-2-sources-jar/com/lmax/disruptor/WorkerPool.java
* /opt/cola/permits/1257772307_1643010283.4/0/disruptor-3-4-2-sources-jar/com/lmax/disruptor/SequenceBarrier.java
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* /opt/cola/permits/1257772307_1643010283.4/0/disruptor-3-4-2-sources-jar/com/lmax/disruptor/SingleProducerSequencer.java
* /opt/cola/permits/1257772307_1643010283.4/0/disruptor-3-4-2-sources-jar/com/lmax/disruptor/EventTranslatorThreeArg.java
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* /opt/cola/permits/1257772307_1643010283.4/0/disruptor-3-4-2-sources-jar/com/lmax/disruptor/EventTranslatorTwoArg.java
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* /opt/cola/permits/1257772307_1643010283.4/0/disruptor-3-4-2-sources-jar/com/lmax/disruptor/SequenceGroup.java
* /opt/cola/permits/1257772307_1643010283.4/0/disruptor-3-4-2-sources-jar/com/lmax/disruptor/ProcessingSequenceBarrier.java
* /opt/cola/permits/1257772307_1643010283.4/0/disruptor-3-4-2-sources-jar/com/lmax/disruptor/SequenceReportingEventHandler.java
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* /opt/cola/permits/1257772307_1643010283.4/0/disruptor-3-4-2-sources-jar/com/lmax/disruptor/EventTranslatorVararg.java
* /opt/cola/permits/1257772307_1643010283.4/0/disruptor-3-4-2-sources-jar/com/lmax/disruptor/ExceptionHandler.java
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  jar/com/lmax/disruptor/dsl/ProducerType.java
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  jar/com/lmax/disruptor/SequenceGroups.java
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  jar/com/lmax/disruptor/InsufficientCapacityException.java
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1.208 bash 4.2.46 28.el7

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From friedman@cli.com Thu May 25 12:19:06 1995
Flags: 10
Return-Path: friedman@cli.com
Received: from po.cwru.edu (root@po.CWRU.Edu [129.22.4.2]) by odin.INS.CWRU.Edu with ESMTP (8.6.10+cwru/CWRU-2.1-ins)
id MAA08685; Thu, 25 May 1995 12:19:05 -0400 (from friedman@cli.com for <chet@odin.INS.CWRU.Edu>)
Received: from cli.com (cli.com [192.31.85.1]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
id MAA11299; Thu, 25 May 1995 12:19:00 -0400 (from friedman@cli.com for <chet@po.cwru.edu>)
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id AA27213; Thu, 25 May 95 11:18:25 CDT
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Message-Id: <9505251618.AA16031@tepui.cli.com>
From: friedman@gnu.ai.mit.edu (Noah Friedman)
To: chet@po.cwru.edu
Subject: Bash scripts
Reply-To: friedman@gnu.ai.mit.edu
In-Reply-To: <chet@odin.ins.cwru.edu> Thu, 25 May 1995 11:19:59 -0400
References: <9505251519.AA06424.SM@odin.INS.CWRU.Edu>
Date: Thu, 25 May 95 11:18:21 CST

>Hi. I snagged some of your bash functions from your home directory on
>the FSF machines (naughty, I know), and I was wondering if you'd let
>me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in
~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and
es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-}
Sure. The canonical versions are available on ftp.armory.com; you might want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:
} Subject: ksh scripts
} From odin.ins.cwru.edu!chet Tue May  9 10:39:51 1995
} Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;
} 9 May 95 10:39 PDT
} Received: (chet@localhost) by odin.INS.CWRU.Edu (8.6.10+cwru/CWRU-2.1-ins)
} id NAA20487; Tue, 9 May 1995 13:39:24 -0400 (from chet)
} Date: Tue, 9 May 1995 13:36:54 -0400
} From: Chet Ramey <chet@odin.ins.cwru.edu>
} To: john@armory.com
} Subject: ksh scripts
} Cc: chet@odin.ins.cwru.edu
} Reply-To: chet@po.cwru.edu
} Message-ID: <9505091736.AA20411.SM@odin.INS.CWRU.Edu>
} Read-Receipt-To: chet@po.CWRU.Edu
} MIME-Version: 1.0
} Content-Type: text/plain; charset=us-ascii
} Status: OR
} Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for the FSF.
} I picked up a tar file of ksh scripts you wrote from an anon FTP site a while back. I'd like your permission to include modified versions

---

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of some of them in the next major bash distribution (with proper credit
given, of course). Is it OK if I do that?

Chet Ramey

--
``The lyf so short, the craft so long to lerne." - Chaucer

Chet Ramey, Case Western Reserve University Internet: chet@po.CWRU.Edu

-- End of excerpt from Chet Ramey

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---

1.209 esapi 2.0.1
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 */

// Because attribute values may be confidential, we don't want to log them!

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* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
  jar/org/owasp/esapi/crypto/CryptoToken.java

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 * @author Arshan Dabirsiaghi <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2009
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  jar/org/owasp/esapi/waf/rules/ReplaceContentRule.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
  jar/org/owasp/esapi/waf/rules/GeneralAttackSignatureRule.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
  jar/org/owasp/esapi/waf/rules/AddHTTPOnlyFlagRule.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
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 * @author Pawan Singh (pawan.singh@owasp.org) <a href="www.owasp.org">OWASP</a>
 * @created 2009
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 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @author kevin.w.wall@gmail.com
 * @created 2007
 */

/**
 * Encrypts the provided plaintext and returns a ciphertext string using the
 * master secret key and default cipher transformation.
 * </p>
 * <p>
 * <b>Compatibility with earlier ESAPI versions:</b> The symmetric encryption
 * in ESAPI 2.0 and later is not compatible with the encryption in ESAPI 1.4
 * or earlier. Not only are the interfaces slightly different, but they format
 * of the serialized encrypted data is incompatible. Therefore, if you have
 * encrypted data with ESAPI 1.4 or earlier, you must first encrypt it and
 * then re-encrypt it with ESAPI 2.0. Backward compatibility with ESAPI 1.4
 * was proposed to both the ESAPI Developers and ESAPI Users mailing lists
 * and voted down. More details are available in the ESAPI document
 */
* Why this method is deprecated:

Most cryptographers strongly suggest that if you are creating crypto functionality for general-purpose use, at a minimum you should ensure that it provides authenticity, integrity, and confidentiality. This method only provides confidentiality, but not authenticity or integrity. Therefore, you are encouraged to use one of the other encryption methods referenced below. Because this method provides neither authenticity nor integrity, it may be removed in some future ESAPI Java release. Note: there are some cases where authenticity / integrity are not that important. For instance, consider a case where the encrypted data is never out of your application’s control. For example, if you receive data that your application is encrypting itself and then storing the encrypted data in its own database for later use (and no other applications can query or update that column of the database), providing confidentiality alone might be sufficient. However, if there are cases where your application will be sending or receiving already encrypted data over an insecure, unauthenticated channel, in such cases authenticity and integrity of the encrypted data likely is important and this method should be avoided in favor of one of the other two.

* @param plaintext
  the plaintext {@code String} to encrypt. Note that if you are encrypting general bytes, you should encrypt that byte array to a String using "UTF-8" encoding.

* @return
  the encrypted, base64-encoded String representation of 'plaintext' plus the random IV used.

* @throws EncryptionException
  if the specified encryption algorithm could not be found or another problem exists with the encryption of 'plaintext'

* @see #encrypt(PlainText)
* @see #encrypt(SecretKey, PlainText)

* @deprecated As of 1.4.2; use { @link #encrypt(PlainText)) instead, which also ensures message authenticity. This method will be completely removed as of the next major release or point release (3.0 or 2.1, whichever comes first) as per OWASP deprecation policy.
*/

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* @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
* @created 2007
*/**
* An IntrusionException should be thrown anytime an error condition arises that is likely to be the result of an attack
* in progress. IntrusionExceptions are handled specially by the IntrusionDetector, which is equipped to respond by
* either specially logging the event, logging out the current user, or invalidating the current user's account.
* <P>
* Unlike other exceptions in the ESAPI, the IntrusionException is a RuntimeException so that it can be thrown from
* anywhere and will not require a lot of special exception handling.
* 
* @author Jeff Williams (jeff.williams@aspectsecurity.com)
*/

Found in path(s):
* /opt/cola/permits/1136415171_1613765306.40/esapi-2-0-1-sources-1-
jar/org/owasp/esapi/errors/IntrusionException.java
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Found in path(s):
* /opt/cola/permits/1136415171_1613765306.40/esapi-2-0-1-sources-1-jar/org/owasp/esapi/ExecuteResult.java
/**
 * The method is ESAPI's Key Derivation Function (KDF) that computes a
 * derived key from the {code keyDerivationKey} for either
 * encryption / decryption or for authentication.
 * <p>
 * <b>CAUTION:</b> If this algorithm for computing derived keys from the
 * key derivation key is changed, we risk breaking backward compatibility of being
 * able to decrypt data previously encrypted with earlier / different versions
 * of this method. Therefore, do not change this unless you are 100% certain that
 * what you are doing will NOT change either of the derived keys for
 * ANY "key derivation key" AT ALL!!!
 * <p>
 * <b>NOTE:</b> This method is generally not intended to be called separately.
 * It is used by ESAPI's reference crypto implementation class {code JavaEncryptor}
 * and might be useful for someone implementing their own replacement class, but
 * generally it is not something that is useful to application client code.
 * <p>
 * @param keyDerivationKey  A key used as an input to a key derivation function
 * to derive other keys. This is the key that generally
 * is created using some key generation mechanism such as
 * {code generateSecretKey(String, int)}. The
 * "input" key from which the other keys are derived.
 * The derived key will have the same algorithm type
 * as this key.
 * @param keySize
 * The cipher's key size (in bits) for the {code keyDerivationKey}.
 * Must have a minimum size of 56 bits and be an integral multiple of 8-bits.
 * <b>Note:</b> The derived key will have the same size as this.
 * @param purpose
 * The purpose for the derived key. Must be either the
 * string "encryption" or "authenticity". Use "encryption" for
 * creating a derived key to use for confidentiality, and "authenticity"
 * for a derived key to use with a MAC to ensure message authenticity.
 * @return
 * The derived {code SecretKey} to be used according
 * to the specified purpose. Note that this serves the same purpose
 * as "label" in section 5.1 of NIST SP 800-108.
 * @throws NoSuchAlgorithmException
 * The {code keyDerivationKey} has an unsupported
 * encryption algorithm or no current JCE provider supports
 * "HmacSHA1".
 * @throws EncryptionException
 * If "UTF-8" is not supported as an encoding, then
 * this is thrown with the original {code UnsupportedEncodingException}
 * as the cause. (NOTE: This should never happen as "UTF-8" is supposed to
 * be a common encoding supported by all Java implementations. Support
 * for it is usually in rt.jar.)
 * @throws InvalidKeyException
 * Likely indicates a coding error. Should not happen.
 * @throws EncryptionException
 * Throw for some precondition violations.
 * @deprecated
 * Use {code KeyDerivationFunction} instead. This method will be removed as of
 * ESAPI release 2.1 so if you are using this, please change your code.
/**
 * Return true if specified cipher mode is one of those specified in the
 * [@code ESAPI.properties] file that supports both confidentiality
 * &lt;b&gt;and&lt;/b&gt; authenticity (i.e., a "combined cipher mode" as NIST refers
 * to it).
 * @param cipherMode The specified cipher mode to be used for the encryption
 * or decryption operation.
 * @return true if the specified cipher mode is in the comma-separated list
 * of cipher modes supporting both confidentiality and authenticity;
 * otherwise false.
 * @see org.owasp.esapi.SecurityConfiguration#getCombinedCipherModes()
 */

Found in path(s):
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  jar/org/owasp/esapi/tags/BaseEncodeTag.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2.0-1-sources-1-
  jar/org/owasp/esapi/tags/EncodeForVBScriptTag.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2.0-1-sources-1-
  jar/org/owasp/esapi/tags/EncodeForHTMLTag.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2.0-1-sources-1-
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- /opt/cola/permits/1136415171_1613765306.4/0/esapi-2.0.1-sources-1-jar/org/owasp/esapi/permissions/ValidationRule.java
- /opt/cola/permits/1136415171_1613765306.4/0/esapi-2.0.1-sources-1-jar/org/owasp/esapi/codecs/PercentCodec.java
- /opt/cola/permits/1136415171_1613765306.4/0/esapi-2.0.1-sources-1-jar/org/owasp/esapi/codecs/MySQLException.java
- /opt/cola/permits/1136415171_1613765306.4/0/esapi-2.0.1-sources-1-jar/org/owasp/esapi/codecs/WindowsCodec.java
- /opt/cola/permits/1136415171_1613765306.4/0/esapi-2.0.1-sources-1-jar/org/owasp/esapi/StringUtilities.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/Encoder.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/errors/AvailabilityException.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/reference/validation/BaseValidationRule.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/codecs/PushbackString.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/reference/validation/IntegerValidationRule.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/reference/DefaultRandomizer.java
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* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/reference/validation/NumberValidationRule.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/User.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/reference/DefaultEncoder.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/reference/DefaultIntrusionDetector.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/crypto/DefaultEncryptedProperties.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/errors/AuthenticationCredentialsException.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/errors/EncryptionException.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/errors/AuthenticationAccountsException.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/AccessReferenceMap.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/IntrusionDetector.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/reference/validation/ValidationUploadException.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/errors/RequestRateThrottleFilter.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/errors/EncryptionException.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/errors/AuthenticationAccountsException.java
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* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/Logger.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/errors/ExecutorException.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/filters/SecurityWrapper.java
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* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/Authenticator.java
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* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/reference/validation/StringValidationRule.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/Logger.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/errors/ExecutorException.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/filters/SecurityWrapper.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/codecs/JavaScriptCodec.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/Authenticator.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
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 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2007
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Found in path(s):
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/errors/EncryptionRuntimeException.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/errors/EnterpriseSecurityRuntimeException.java
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 * @author Rogan Dawes <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2008
 */

Found in path(s):
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 * 
 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created February 6, 2009
 */

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* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/filters/ClickjackFilter.java
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 * 
 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @author Jim Manico (jim@manico.net) <a href="http://www.manico.net">Manico.net</a>
 * 
 * @created 2007
 */

Found in path(s):
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
jar/org/owasp/esapi/reference/DefaultValidator.java
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 * @created 2008
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Found in path(s):
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/LogFactory.java
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/**
 * Encodes and decodes to and from Base64 notation.
 *
 *
 * The <tt>options</tt> parameter, which appears in a few places, is used to pass
 * several pieces of information to the encoder. In the "higher level" methods such as
 * <tt>encodeBytes( bytes, options )</tt> the options parameter can be used to indicate such
 * things as first gzipping the bytes before encoding them, not inserting linefeeds
 * (though that breaks strict Base64 compatibility), and encoding using the URL-safe
 * and Ordered dialects.
 *
 * The constants defined in Base64 can be OR-ed together to combine options, so you
 * might make a call like this:
 *
 * <code>String encoded = Base64.encodeBytes( mybytes, Base64.GZIP | Base64.DONT_BREAK_LINES );</code>
 *
 * to compress the data before encoding it and then making the output have no newline characters.
 *
 * Change Log:
 * </ul>
 * <li>v2.2.2 - Fixed encodeFileToFile and decodeFileToFile to use the
* Base64.InputStream class to encode and decode on the fly which uses
  * less memory than encoding/decoding an entire file into memory before writing.</li>
* v2.2.1 - Fixed bug using URL_SAFE and ORDERED encodings. Fixed bug
  * when using very small files (~< 40 bytes).</li>
* v2.2 - Added some helper methods for encoding/decoding directly from
  * one file to the next. Also added a main() method to support command line
  * encoding/decoding from one file to the next. Also added these Base64 dialects:
  *   <ol>
  *   <li>The default is RFC3548 format.</li>
  *   <li>Calling Base64.setFormat(Base64.BASE64_FORMAT.URLSAFE_FORMAT) generates
      * URL and file name friendly format as described in Section 4 of RFC3548.
  *   <li>Calling Base64.setFormat(Base64.BASE64_FORMAT.ORDERED_FORMAT) generates
      * URL and file name friendly format that preserves lexical ordering as described
      * in http://www.faqs.org/qa/rfcc-1940.html</li>
  *   </ol>
  * Special thanks to Jim Kellerman at http://www.powerset.com/ for contributing the new Base64 dialects.
* v2.1 - Cleaned up javadoc comments and unused variables and methods. Added
  * some convenience methods for reading and writing to and from files.</li>
* v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems
  * with other encodings (like EBCDIC).</li>
* v2.0.1 - Fixed an error when decoding a single byte, that is, when the
  * encoded data was a single byte.</li>
* v2.0 - I got rid of methods that used booleans to set options.
  * Now everything is more consolidated and cleaner. The code now detects
  * when data that's being decoded is gzip-compressed and will decompress it
  * automatically. Generally things are cleaner. You'll probably have to
  * change some method calls that you were making to support the new
  * options format (<tt>int</tt>s that you "OR" together).</li>
* v1.5.1 - Fixed bug when decompressing and decoding to a
  * byte[] using <tt>decode( String s, boolean gzipCompressed )</tt>.
  * Added the ability to "suspend" encoding in the Output Stream so
  * you can turn on and off the encoding if you need to embed base64
  * data in an otherwise "normal" stream (like an XML file).
* v1.5 - Output stream pases on flush() command but doesn't do anything itself.
  * This helps when using GZIP streams.
* v1.4 - Added helper methods to read/write files.</li>
* v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.</li>
* v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream
  * where last buffer being read, if not completely full, was not returned.</li>
* v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.</li>
* v1.3.3 - Fixed I/O streams which were totally messed up.
* <p>
* I am placing this code in the Public Domain. Do with it as you will.
* This software comes with no guarantees or warranties but with
* plenty of well-wishing instead!
* Please visit <a href="http://iharder.net/base64">http://iharder.net/base64</a>
* periodically to check for updates or to contribute improvements.
* </p>
*
* @author Robert Harder
* @author rob@iharder.net
* @version 2.2.2
*/

Found in path(s):
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/codecs/Base64.java
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 * @author Chris Schmidt (chris.schmidt@owasp.org)
 * @created 2010
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Found in path(s):
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/crypto/CryptoDiscoverer.java
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* @author Mike Fauzy <a href="http://www.aspectsecurity.com">Aspect Security</a>
* @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
* @created 2007
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Found in path(s):
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
  jar/org/owasp/esapi/reference/accesscontrol/FileBasedACRs.java
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 *
 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @author kevin.w.wall@gmail.com
 * @created 2007
 */

// Using cipher mode that supports *both* confidentiality *and* authenticity? If so, then
// If we are using a "preferred" cipher mode--i.e., one that supports *both* confidentiality and

Found in path(s):
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
  jar/org/owasp/esapi/reference/crypto/JavaEncryptor.java
No license file was found, but licenses were detected in source scan.

/**
 * The method is ESAPI's Key Derivation Function (KDF) that computes a
 * derived key from the { @code KeyDerivationKey} for either
 * encryption / decryption or for authentication.
 * <p>
 * <b>CAUTION:</b> If this algorithm for computing derived keys from the
 * key derivation key is <i>ever</i> changed, we risk breaking backward compatibility of being
 * able to decrypt data previously encrypted with earlier / different versions
 * of this method. Therefore, do not change this unless you are 100% certain that
 * what you are doing will NOT change either of the derived keys for
 * ANY "key derivation key" AT ALL!!!
 * <p>
NOTE: This method is generally not intended to be called separately.
It is used by ESAPI's reference crypto implementation class (@code JavaEncryptor)
and might be useful for someone implementing their own replacement class, but
generally it is not something that is useful to application client code.

@param keyDerivationKey  A key used as an input to a key derivation function
to derive other keys. This is the key that generally
is created using some key generation mechanism such as
{@link #generateSecretKey(String, int)}. The
"input" key from which the other keys are derived.
The derived key will have the same algorithm type
as this key. This KDK cannot be null.

@param keySize	The cipher's key size (in bits) for the [@code keyDerivationKey].
Must have a minimum size of 56 bits and be an integral multiple of 8-bits.

@param purpose	The purpose for the derived key. For the ESAPI reference implementation,
[@code JavaEncryptor], this <i>must</i> be either the string "encryption" or
"authenticity", where "encryption" is used for creating a derived key to use
for confidentiality, and "authenticity" is used for creating a derived key to
use with a MAC to ensure message authenticity. However, since parameter serves
the same purpose as the "Label" in section 5.1 of NIST SP 800-108, it really can
be set to anything other than [@code null] or an empty string when called outside
of [@code JavaEncryptor].

@return	The derived [@code SecretKey] to be used according
to the specified purpose.

@throws NoSuchAlgorithmException	The [@code keyDerivationKey] has an unsupported
encryption algorithm or no current JCE provider supports
"HmacSHA1".

@throws EncryptionExceptionIf "UTF-8" is not supported as an encoding, then
this is thrown with the original [@code UnsupportedEncodingException]
as the cause. (NOTE: This should never happen as "UTF-8" is supposed to
be a common encoding supported by all Java implementations. Support
for it is usually in rt.jar.)

@throws InvalidKeyException Likely indicates a coding error. Should not happen.

@throws EncryptionException  Throw for some precondition violations.

*/

Found in path(s):
/opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1- jar/org/owasp/esapi/crypto/KeyDerivationFunction.java

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jar/\org/owasp/esapi/reference/Log4JLogFactory.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/\org/owasp/esapi/reference/DefaultHTTPUtilities.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/\org/owasp/esapi/reference/crypto/ReferenceEncryptedProperties.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/\org/owasp/esapi/reference/DefaultSecurityConfiguration.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/\org/owasp/esapi/HTTPUtilities.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/\org/owasp/esapi/Validator.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/\org/owasp/esapi/reference/Log4JLoggerFactory.java
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/\org/owasp/esapi/reference/FileBasedAuthenticator.java
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 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2007
 */
/**
 * Executes a system command after checking that the executable exists and
 * escaping all the parameters to ensure that injection is impossible.
 * Implementations must change to the specified working
 * directory before invoking the command.
 *
 * @param executable
 * the command to execute
 *
 * @param params
 * the parameters of the command being executed
 *
 * @param workdir
 * the working directory
 *
 * @param codec
 * the codec to use to encode for the particular OS in use
 *
 * @param logParams
 * use false if any parameters contains sensitive or confidential information
*/
* @return the output of the command being run
* @throws ExecutorException
*          the service exception
*/

Found in path(s):
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 * 
 * @created 2007
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 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect
 * Security</a>
 * @created 2007
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/**
 * This method adds a provider to the SecurityManager.
 * either by some generic name or by the class name.
 * </p><p>
 * The following generic JCE provider names are built-in:
 * <ul>
 * <li>SunJCE</li>
 * <li>IBMJCE [for WebSphere]</li>
 * <li>GnuCrypto [for use with GNU Compiler for Java, i.e., gcj]</li>
 * <li>BC [i.e., Bouncy Castle]</li>
 * <li>IAIK</li>
 * <li>CryptixCrypto (or Cryptix)</li>
 * <li>ABA</li>
 * </ul>
 * Note that neither Cryptix or ABA are actively maintained so
 * it is recommended that you do not start using them for ESAPI
 * unless your application already has a dependency on them. Furthermore,
 * the Cryptix JCE jars likely will not work as the Cryptix code signing
 * certificate has expired as of August 28, 2009. (This likely is true
 * for ABA, but I can't even find a copy to download!). Lastly, the IAIK
 * provider is no longer offered as free, open source. It is not a
 * commercial product. See [link http://jce.iaik.tugraz.at/] for
 * details. While some older versions were offered free, it is not clear
 * whether the accompanying license still allows you to use it, and if
 * it does, whether or not the code signing certificate used to sign
 * their JCE jar(s) has expired are not. Therefore, if you are looking
 * for a FOSS alternative to SunJCE, Bouncy Castle
 * ([link http://www.bouncycastle.org/] is probably your best bet. The
 * BC provider does support many of the "combined cipher modes" that provide
 * both confidentiality and authenticity. (See the [code ESAPI.properties]
 * property [code Encryptor.cipher_modes.combined_modes] for details.)
 * </p><p>
 * For those working in the U.S. federal government, it should be noted
 * that <i>none</i> of the providers listed here are considered validated
 * by NIST's Cryptographic Module Validation Program and are therefore
 * not considered FIPS 140-2 compliant. There are a few approved
 * JCE compatible Java libraries that are on NIST's CMVP list, but this
 * list changes constantly so they are not listed here. Futher details
 * on NIST's CMVP, see
 * [link http://csrc.nist.gov/groups/STM/cmvp/index.html].
 * </p><p>
 * Finally, if you wish to use some other JCE provider not recognized above,
The application must be given the [@code SecurityPermission] with a value of [@code insertProvider.&lt;provider_name&gt;] (where &lt;provider_name&gt; is the name of the algorithm provider if a security manager is installed).

@exception NoSuchProviderException - thrown if the provider class could not be loaded or added to the [@code SecurityManager] or any other reason for failure.

* @param algProvider Name of the JCE algorithm provider. If the name contains a ".", this is interpreted as the name of a [@code java.security.Provider] class name.
* @param pos The preference position (starting at 1) that the caller would like for this provider. If you wish for it to be installed as the &lt;i&gt;last&lt;/i&gt; provider (as of the time of this call), set [@code pos] to -1.
* @return The actual preference position at which the provider was added, or -1 if the provider was not added because it is already installed.

/*

Found in path(s):
//opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-jar/org/owasp/esapi/crypto/SecurityProviderLoader.java
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 * @author Mike Fauzy &lt;a href="http://www.aspectsecurity.com">Aspect Security</a&gt;
 * @author Jeff Williams &lt;a href="http://www.aspectsecurity.com">Aspect Security</a&gt;
 * @created 2007
 */
/**
 * Return a [@code List] of strings of combined cipher modes that support confidentiality and authenticity. These would be preferred

cipher modes to use if your JCE provider supports them. If such a
cipher mode is used, no explicit \(<i>\)separate\(<i>\) MAC is calculated as part of
the \{@code CipherText\} object upon encryption nor is any attempt made
* to verify the same on decryption.

* </p><p>
The list is taken from the comma-separated list of cipher modes specified
* by the ESAPI property
* \{@code Encryptor.cipher_modes.combined_modes\}.
* 
* @return The parsed list of comma-separated cipher modes if the property
* was specified in \{@code ESAPI.properties\}; otherwise the empty list is
* returned.
* */

Found in path(s):
* /opt/cola/permits/1136415171_1613765306.4/0/esapi-2-0-1-sources-1-
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* @created 2008
* */

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1.210 pcre 8.32 15.el7
1.210.1 Available under license :

PCRE LICENCE
----------

PCRE is a library of functions to support regular expressions whose syntax
and semantics are as close as possible to those of the Perl 5 language.
Release 8 of PCRE is distributed under the terms of the "BSD" licence, as specified below. The documentation for PCRE, supplied in the "doc" directory, is distributed under the same terms as the software itself.

The basic library functions are written in C and are freestanding. Also included in the distribution is a set of C++ wrapper functions, and a just-in-time compiler that can be used to optimize pattern matching. These are both optional features that can be omitted when the library is built.

THE BASIC LIBRARY FUNCTIONS
----------------------------
Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk


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PCRE JUST-IN-TIME COMPILATION SUPPORT
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Written by: Zoltan Herczeg
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Found in path(s):
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-
  jar/javassist/tools/rmi/RemoteException.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-
  jar/javassist/compiler/CompileError.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-
  jar/javassist/CtNewWrappedConstructor.java
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  jar/javassist/util/proxy/SecurityActions.java
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  jar/javassist/bytecode/annotation/AnnotationsWriter.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-
  jar/javassist/expr/Handler.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-
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  jar/javassist/bytecode/AttributeInfo.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-
  jar/javassist/bytecode/ByteArrayClassPath.java

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jar/javassist/bytecode/LineNumberAttribute.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/compiler/ast/Member.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/ClassClassPath.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/bytecode/stackmap/Tracer.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/tools/rmi/AppletServer.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/CtClass.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/tools/Callback.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/convert/TransformNewClass.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/util/proxy/SerializedProxy.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/expr/Cast.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/compiler/ast/IntConst.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/runtime/Desc.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/compiler/ast/BinExpr.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/expr/Instanceof.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/bytecode/CodeAnalyzer.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/bytecode/analysis/Analyzer.java

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* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/bytecode/annotation/ByteMemberValue.java
* /opt/cola/permits/1110725205_1606846757.03/0/javassist-3-20-0-ga-sources-1-jar/javassist/bytecode/annotation/CharMemberValue.java
1.220 mailapi 1.4.6

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* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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org.ow2.asm:asm-commons
org.ow2.asm:asm
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The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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1.237 ncurses 6.1_p20190105-r0

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api  
* javax.annotation:javax.annotation-api  
* javax.transaction:javax.transaction-api  
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes.  The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.  
http://openjdk.java.net/legal/gplv2+ce.html

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OW2
The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jettyschemas

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1.248 curl 7.62.0

1.248.1 Available under license :

License Mixing

============

libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.
I am not a lawyer and this is not legal advice!

One common dilemma is that [GPL](https://www.gnu.org/licenses/gpl.html) licensed code is not allowed to be linked with code licensed under the [Original BSD license](https://spdx.org/licenses/BSD-4-Clause.html) (with the announcement clause). You may still build your own copies that use them all, but distributing them as binaries would be to violate the GPL license - unless you accompany your license with an [exception](https://www.gnu.org/licenses/gpl-faq.html#GPLIncompatibleLibs). This particular problem was addressed when the [Modified BSD license](https://opensource.org/licenses/BSD-3-Clause) was created, which does not have the announcement clause that collides with GPL.

## libcurl

Uses an [MIT style license](https://curl.haxx.se/docs/copyright.html) that is very liberal.

## OpenSSL

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## GnuTLS

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## libressl

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## c-ares

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

## zlib

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

## MIT Kerberos

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## libssh2

(Used for scp and sftp support) libssh2 uses a Modified BSD-style license.

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1.249 pillow 2.0.0 19.gitd1c6db8.el7

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GIMP Palette
Name: custompalette
Columns: 4
#
  0  0  0   Index 3
  65 38 30   Index 4
 103  62  49  Index 6
  79  73  72  Index 7
 114 101  97  Index 8
 208 127 100  Index 9
 151 144 142  Index 10
 221 207 199  Index 11

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GIMP Palette
Name: badpalettefile
Columns: 4
#
  0 0 0  Index 3
0123456789012345678901234567890123456789012345678901234567890123456789012345678901234567890123
34567890123456789
103 62 49  Index 6
79 73 72  Index 7
114 101 97  Index 8
208 127 100  Index 9
151 144 142  Index 10
221 207 199  Index 11

GIMP Palette
Name: Test
Columns: 0
#
GIMP Palette
Name: badpaletteentry
Columns: 4
#
  0 0 0  Index 3
65 38
103 62 49  Index 6
79 73 72  Index 7
114 101 97  Index 8
208 127 100  Index 9
151 144 142  Index 10
221 207 199  Index 11

1.250 libusb 1.0.20 1.el7
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1.262 firewalld 0.4.4.4

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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * This class is designed to sit between an `XMLReader` and the client application's event handlers. By default, it
 * does nothing but pass requests up to the reader and events
 * on to the handlers unmodified, but subclasses can override
 * specific methods to modify the event stream or the configuration
 * requests as they pass through.</p>
 *
 * @since SAX 2.0
 * @author David Megginson,
 * <a href="mailto:sax@megginson.com">sax@megginson.com</a>
 * @version 2.0
* @see org.xml.sax.XMLFilter
* @see org.xml.sax.XMLReader
* @see org.xml.sax.EntityResolver
* @see org.xml.sax/DTDHandler
* @see org.xml.sax.ContentHandler
* @see org.xml.sax.ErrorHandler
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/helpers/XMLFilterImpl.java
No license file was found, but licenses were detected in source scan.

/**
 * Basic interface for SAX error handlers.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.&lt;/em&gt;
 * </blockquote>
 *
 * If a SAX application needs to implement customized error
 * handling, it must implement this interface and then register an
 * instance with the XML reader using the
 * {@link org.xml.sax.XMLReader#setErrorHandler setErrorHandler}
 * method. The parser will then report all errors and warnings
 * through this interface.&lt;/p&gt;
 *
 * <strong>WARNING:</strong> If an application does <em>not</em> register an
 * ErrorHandler, XML parsing errors will go unreported
 * and bizarre behaviour may result.&lt;/p&gt;
 *
 * For XML processing errors, a SAX driver must use this interface
 * instead of throwing an exception: it is up to the application
 * to decide whether to throw an exception for different types of
 * errors and warnings. Note, however, that there is no requirement that
 * the parser continue to provide useful information after a call to
 * {@link SAXParseException fatalError} (in other words, a SAX driver class
 * could catch an exception and report a fatalError).&lt;/p&gt;
 *
 * @since SAX 1.0
 * @author David Megginson,
 * <a href="mailto:sax@megginson.com">sax@megginson.com</a>
 * @version 2.0
 * @see org.xml.sax.Parser#setErrorHandler
 * @see org.xml.sax.SAXParseException
 */
// NO WARRANTY! This class is in the public domain.
/**
 * Interface for a list of XML attributes.
 *
 * <blockquote>
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 * Public Domain, and comes with <strong>NO WARRANTY</strong>. </em>
 * </blockquote>
 *
 * This interface allows access to a list of attributes in
 * three different ways:
 *
 * <ol>
 * <li>by attribute index;</li>
 * <li>by Namespace-qualified name; or</li>
 * <li>by qualified (prefixed) name.</li>
 * </ol>
 *
 * The list will not contain attributes that were declared
 * #IMPLIED but not specified in the start tag. It will also not
 * contain attributes used as Namespace declarations (xmlns*) unless
 * the <code>http://xml.org/sax/features/namespace-prefixes</code>
 * feature is set to <var>true</var> (it is <var>false</var> by
 * default).<p>
 *
 * If the namespace-prefixes feature (see above) is <var>false</var>,
 * access by qualified name may not be available; if the
 * <code>http://xml.org/sax/features/namespaces</code>
 * feature is <var>false</var>, access by Namespace-qualified names
 * may not be available.</p>
 *
 * This interface replaces the now-deprecated SAX1 { @link
 * org.xml.sax.AttributeList AttributeList} interface, which does not
 * contain Namespace support. In addition to Namespace support, it
 * adds the <var>getIndex</var> methods (below).<p>
 *
 * The order of attributes in the list is unspecified, and will
 * vary from implementation to implementation.<p>
 *
 * @since SAX 2.0
 * @author David Megginson,
 * @version 2.0
 * @see org.xml.sax.helpers.AttributeListImpl
Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/Attributes.java

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/**
 * Default implementation for AttributeList.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.<em>
 * </blockquote>
 *
 * AttributeList implements the deprecated SAX1 {@link
 * org.xml.sax.AttributeList AttributeList} interface, and has been
 * replaced by the new SAX2 {@link org.xml.sax.helpers.AttributesImpl
 * AttributesImpl} interface.</p>
 *
 * This class provides a convenience implementation of the SAX
 * {@link org.xml.sax.AttributeList AttributeList} interface. This
 * implementation is useful both for SAX parser writers, who can use
 * it to provide attributes to the application, and for SAX application
 * writers, who can use it to create a persistent copy of an element's
 * attribute specifications:</p>
 *
 * private AttributeList myatts;
 *
 * public void startElement (String name, AttributeList atts)
 * {
 *    // create a persistent copy of the attribute list
 *    // for use outside this method
 *    myatts = new AttributeListImpl(atts);
 * [...
 * }
 * </pre>
 *
 * Please note that SAX parsers are not required to use this
 * class to provide an implementation of AttributeList; it is
 * supplied only as an optional convenience. In particular,
 * parser writers are encouraged to invent more efficient
 * implementations.</p>
 *
 * @deprecated This class implements a deprecated interface,
 *{@link org.xml.sax.AttributeList AttributeList};
 * that interface has been replaced by
 *{@link org.xml.sax.Attributes Attributes},
which is implemented in the
\{ @link \org\xml\sax\helpers\AttributesImpl
AttributesImpl} helper class.

@since SAX 1.0
@since SAX 1.0
@since SAX 1.0

@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>

<version>2.0</version>
<version>2.0</version>
<version>2.0</version>

@see \org\xml\sax\AttributeList
@see \org\xml\sax\AttributeList
@see \org\xml\sax\AttributeList

@see \org\xml\sax\DocumentHandler#startElement
@see \org\xml\sax\DocumentHandler#startElement
@see \org\xml\sax\DocumentHandler#startElement

/**
* Interface for an XML filter.
*
* <blockquote>
* <em>This module, both source code and documentation, is in the
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
</blockquote>
*
*
* <p>An XML filter is like an XML reader, except that it obtains its
* events from another XML reader rather than a primary source like
* an XML document or database. Filters can modify a stream of
* events as they pass on to the final application.</p>
*
* <p>The XMLFilterImpl helper class provides a convenient base
* for creating SAX2 filters, by passing on all \{ @link \org\xml\sax\EntityResolver
* EntityResolver\}, \{ @link \org\xml\sax\DTDHandler DTDHandler\},
* \{ @link \org\xml\sax\ContentHandler ContentHandler\} and \{ @link \org\xml\sax\ErrorHandler
* ErrorHandler\} events automatically.</p>
*
* @since SAX 2.0
* @since SAX 2.0
* @since SAX 2.0

@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>

<version>2.0</version>
<version>2.0</version>
<version>2.0</version>

@see \org\xml\sax\helpers\XMLFilterImpl
@see \org\xml\sax\helpers\XMLFilterImpl
@see \org\xml\sax\helpers\XMLFilterImpl

/**
* Interface for an XML filter.
*
* <blockquote>
* <em>This module, both source code and documentation, is in the
* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
</blockquote>
*
*
* <p>An XML filter is like an XML reader, except that it obtains its
* events from another XML reader rather than a primary source like
* an XML document or database. Filters can modify a stream of
* events as they pass on to the final application.</p>
*
* <p>The XMLFilterImpl helper class provides a convenient base
* for creating SAX2 filters, by passing on all \{ @link \org\xml\sax\EntityResolver
* EntityResolver\}, \{ @link \org\xml\sax\DTDHandler DTDHandler\},
* \{ @link \org\xml\sax\ContentHandler ContentHandler\} and \{ @link \org\xml\sax\ErrorHandler
* ErrorHandler\} events automatically.</p>
*
* @since SAX 2.0
* @since SAX 2.0
* @since SAX 2.0

@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>

<version>2.0</version>
<version>2.0</version>
<version>2.0</version>

@see \org\xml\sax\helpers\XMLFilterImpl
@see \org\xml\sax\helpers\XMLFilterImpl
@see \org\xml\sax\helpers\XMLFilterImpl

/**
* Interface for associating a SAX event with a document location.

* "<blockquote>
  * <em>This module, both source code and documentation, is in the Public Domain, and comes with NO WARRANTY.</em>
  */
* */

If a SAX parser provides location information to the SAX application, it does so by implementing this interface and then passing an instance to the application using the content handler's `setDocumentLocator` method. The application can use the object to obtain the location of any other content handler event in the XML source document.

Note that the results returned by the object will be valid only during the scope of each content handler method: the application will receive unpredictable results if it attempts to use the locator at any other time.

SAX parsers are not required to supply a locator, but they are very strongly encouraged to do so. If the parser supplies a locator, it must do so before reporting any other document events.

If no locator has been set by the time the application receives the `startDocument` event, the application should assume that a locator is not available.

@since SAX 1.0

@version 2.0

@see org.xml.sax.ContentHandler#setDocumentLocator

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* unparsed entities, then the application implements this
* interface and registers an instance with the SAX parser using
* the parser's setDTDHandler method. The parser uses the
* instance to report notation and unparsed entity declarations to
* the application.</p>

* \[<p>\text{Note that this interface includes only those DTD events that}
* the XML recommendation requires processors to report:}
* notation and unparsed entity declarations.</p>\]

* \[<p>\text{The SAX parser may report these events in any order, regardless}
* of the order in which the notations and unparsed entities were}
* declared; however, all DTD events must be reported after the}
* document handler's startDocument event, and before the first}
* startElement event.</p>\]

* \[<p>\text{It is up to the application to store the information for}
* future use (perhaps in a hash table or object tree).}
* If the application encounters attributes of type "NOTATION",
* "ENTITY", or "ENTITIES", it can use the information that it}
* obtained through this interface to find the entity and/or}
* notation corresponding with the attribute value.</p>\]

* \[@since \text{SAX 1.0}
* @author David Megginson,
* \[<a href="mailto:sax@megginson.com">sax@megginson.com</a>\]
* @version 2.0
* @see org.xml.sax.Parser#setDTDHandler
* @see org.xml.sax.HandlerBase
* /*

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/DTDHandler.java

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* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/javax/xml/parsers/ConvertToURI.java
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/**
 * Default base class for handlers.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * This class implements the default behaviour for four SAX1 interfaces:
 * EntityResolver, DTDHandler, DocumentHandler, and ErrorHandler. It is now obsolete, but is included in SAX2 to
 * support legacy SAX1 applications. SAX2 applications should use
 * the DefaultHandler class instead.
 *
 * Application writers can extend this class when they need to
 * implement only part of an interface; parser writers can
 * instantiate this class to provide default handlers when the
 * application has not supplied its own.
 *
 * Note that the use of this class is optional.
 *
 * @deprecated This class works with the deprecated
 * DocumentHandler interface. It has been replaced by the SAX2
 * class.
 * @since SAX 1.0
 * @author David Megginson,
 *         <a href="mailto:sax@megginson.com">sax@megginson.com</a>
 * @version 2.0
 * @see org.xml.sax.EntityResolver
 * @see org.xml.sax.DTDHandler
 * @see org.xml.sax.DocumentHandler
 * @see org.xml.sax.ErrorHandler
 */

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/HandlerBase.java

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Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/w3c/dom/ls/DOMBuilderFilter.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/w3c/dom/ls/DOMInputSource.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/w3c/dom/ls/DocumentLS.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/w3c/dom/xpath/XPathNSResolver.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/w3c/dom/xpath/XPathResult.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/w3c/dom/xpath/XPathExpression.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/w3c/dom/xpath/XPathNamespace.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/w3c/dom/ls/DOMEntityResolver.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/w3c/dom/ls/DOMBuilder.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/w3c/dom/ls/LSLoadEvent.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/w3c/dom/ls/LSProgressEvent.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/w3c/dom/ls/ParseErrorEvent.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/w3c/dom/ls/DOMWriterFilter.java

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 * PURPOSE.
 * See W3C License http://www.w3.org/Consortium/Legal/ for more details.
 */
/**
 * <strong>DOM Level 3 WD Experimental:
 * The DOM Level 3 specification is at the stage
* of Working Draft, which represents work in progress and thus may be updated, replaced, or obsoleted by other documents at any time. </strong> <p>
* <code>XPathEvaluator</code>, which will provide evaluation of XPath 1.0 expressions with no specialized extension functions or variables. It is expected that the <code>XPathEvaluator</code> interface will be implemented on the same object which implements the <code>Document</code> interface in an implementation which supports the XPath DOM module. <code>XPathEvaluator</code> implementations may be available from other sources that may provide support for special extension functions or variables which are not defined in this specification. The methods of <code>XPathExpression</code> should be named with more-XPath-specific names because the interface will often be implemented by the same object which implements document. No change. The point of interfaces is to localize the implementing namespace. This would make the method names unnecessarily long and complex even though there are no conflicts in the interface itself. The new core method <code>getInterface</code> is designed for discovering interfaces of additional modules that may not be directly implemented on the objects to which they are attached. This could be used to implement XPath on a separate object. The user only refers to the separate interfaces and not the proprietary aggregate implementation. Should entity refs be supported so that queries can be made on them? No change. We will not do this now. They are not part of the XPath data model. Note that they may be present in the hierarchy of returned nodes, but may not directly be requested or returned in the node set. What does <code>createResult</code> create when one wants to reuse the XPath? It is not useful. Removed method. Should ordering be a separate flag, or a type of result that can be requested. As a type of result, it can be better optimized in implementations. It makes sense as a type of result. Changed. Removed method. Implementing <code>XPathEvaluator</code> on Document can be a problem due to conflicts in the names of the methods. The working group finds no better solution. <code>getInterface</code> in Level 3 permits the object to be implemented separately. We should be committed to this. We will leave this issue open to see if we get more feedback on it. How does this interface adapt to XPath 2.0 and other query languages. No change. This interface is not intended to adapt to XPath 2.0 or other languages. The models of these are likely to be incompatible enough to require new APIs. For alternate implementations that can use this API, it can be obtained from different sources. Support for custom variables and functions would be very useful. No change. It is possible for an implementation to supply alternative sources of an <code>XPathEvaluator</code> that can be customized with a custom variable and function context. We do not specify how this is accomplished. It is too complex to address in this version of the XPath DOM. 
*/
/**
 * Interface for an element's attribute specifications.
 *
 * This module, both source code and documentation, is in the Public Domain, and comes with NO WARRANTY.
 *
 * This is the original SAX1 interface for reporting an element's attributes. Unlike the new Attributes interface, it does not support Namespace-related information.
 *
 * When an attribute list is supplied as part of a startElement event, the list will return valid results only during the scope of the event; once the event handler returns control to the parser, the attribute list is invalid. To save a persistent copy of the attribute list, use the SAX1 AttributeListImpl helper class.
 *
 * An attribute list includes only attributes that have been specified or defaulted: #IMPLIED attributes will not be included.
 *
 * There are two ways for the SAX application to obtain information from the AttributeList. First, it can iterate through the entire list:
 *
 * public void startElement (String name, AttributeList atts) {
 *   for (int i = 0; i < atts.getLength(); i++) {
 *     String name = atts.getName(i);
 *     String type = atts.getType(i);
 *     String value = atts.getValue(i);
 *     [...]
 *   }
 * }
 *
 * (Note that the result of getLength() will be zero if there are no attributes.)
 *
 * As an alternative, the application can request the value or
* type of specific attributes:</p>
* 
* <pre>
* public void startElement (String name, AttributeList atts) {
*   String identifier = atts.getValue("id");
*   String label = atts.getValue("label");
*   [...]
* }
* </pre>

* @deprecated This interface has been replaced by the SAX2
*             { @link org.xml.sax.Attributes Attributes }
*             interface, which includes Namespace support.
* @since SAX 1.0
* @author David Megginson,
*         <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.DocumentHandler#startElement startElement
* @see org.xml.sax.helpers.AttributeListImpl AttributeListImpl
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/AttributeList.java
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/**
* Receive notification of general document events.
*
* <em>This module, both source code and documentation, is in the
* Public Domain, and comes with <strong>NO WARRANTY</strong>.
* </em>
*/

* <p>This was the main event-handling interface for SAX1; in
* SAX2, it has been replaced by { @link org.xml.sax.ContentHandler
* ContentHandler }, which provides Namespace support and reporting
* of skipped entities.  This interface is included in SAX2 only
* to support legacy SAX1 applications.</p>

* <p>The order of events in this interface is very important, and
* mirrors the order of information in the document itself.  For
* example, all of an element's content (character data, processing
* instructions, and/or subelements) will appear, in order, between
* the startElement event and the corresponding endElement event.</p>

* <p>Application writers who do not want to implement the entire
* interface can derive a class from HandlerBase, which implements
* the default functionality; parser writers can instantiate
* HandlerBase to obtain a default handler. The application can find
* the location of any document event using the Locator interface
* supplied by the Parser through the setDocumentLocator method.</p>
* 
* @deprecated This interface has been replaced by the SAX2
* { @link org.xml.sax.ContentHandler ContentHandler}
* interface, which includes Namespace support.
* @since SAX 1.0
* @author David Megginson,
* <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.Parser#setDocumentHandler
* @see org.xml.sax.Locator
* @see org.xml.sax.HandlerBase
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/org/xml/sax/DocumentHandler.java
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// NO WARRANTY! This class is in the Public Domain.
/**
* Factory for creating an XML reader.
* 
* <blockquote>
* <em>This module, both source code and documentation, is in the
* Public Domain, and comes with <strong>NO WARRANTY</strong></em>.<br/>
* See <a href='http://www.saxproject.org'>http://www.saxproject.org</a>
* for further information.
* </blockquote>
* 
* This class contains static methods for creating an XML reader
* from an explicit class name, or based on runtime defaults:
* 
* try {
* XMLReader myReader = XMLReaderFactory.createXMLReader();
* } catch (SAXException e) {
* System.err.println(e.getMessage());
* }
* 
* <strong>Note to Distributions bundled with parsers:</strong>
* You should modify the implementation of the no-arguments
* createXMLReader method to handle cases where the external
* configuration mechanisms aren't set up. That method should do its
* best to return a parser when one is in the class path, even when
* nothing bound its class name to <code>org.xml.sax.driver</code> so
* those configuration mechanisms would see it.</p>
*
* @since SAX 2.0
* @author David Megginson, David Brownell
* @version 2.0r2pre3
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/xml/sax/helpers/XMLReaderFactory.java
No license file was found, but licenses were detected in source scan.

// This class is in the Public Domain. NO WARRANTY!
/**
* Encapsulate Namespace logic for use by SAX drivers.
* *
* &lt;blockquote&gt;
* &lt;em&gt;This module, both source code and documentation, is in the
* Public Domain, and comes with &lt;strong&gt;NO WARRANTY&lt;/strong&gt;.&lt;/em&gt
* &lt;/blockquote&gt;
*
* &lt;p&gt;This class encapsulates the logic of Namespace processing:
* it tracks the declarations currently in force for each context
* and automatically processes qualified XML 1.0 names into their
* Namespace parts; it can also be used in reverse for generating
* XML 1.0 from Namespaces.&lt;/p&gt
* *
* &lt;p&gt;Namespace support objects are reusable, but the reset method
* must be invoked between each session.&lt;/p&gt
* *
* &lt;p&gt;Here is a simple session:&lt;/p&gt
* *
* &lt;pre&gt;
* String parts[] = new String[3];
* NamespaceSupport support = new NamespaceSupport();
* *
* support.pushContext();
* support.declarePrefix("", "http://www.w3.org/1999/xhtml");
* support.declarePrefix("dc", "http://www.purl.org/dc#");
* *
* String parts[] = support.processName("p", parts, false);
* System.out.println("Namespace URI: " + parts[0]);
* System.out.println("Local name: " + parts[1]);
* System.out.println("Raw name: " + parts[2]);
* *
* String parts[] = support.processName("dc:title", parts, false);
* System.out.println("Namespace URI: " + parts[0]);
* System.out.println("Local name: " + parts[1]);
* System.out.println("Raw name: " + parts[2]);

* support.popContext();
* </pre>
*
* <p>Note that this class is optimized for the use case where most
* elements do not contain Namespace declarations: if the same
* prefix/URI mapping is repeated for each context (for example), this
* class will be somewhat less efficient.</p>
*
* @since SAX 2.0
* @author David Megginson,
*       <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/xml/sax/helpers/NamespaceSupport.java
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// NO WARRANTY! This class is in the public domain.
/**
* Default base class for SAX2 event handlers.
*
* <blockquote>
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* Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
* </blockquote>
*
* <p>This class is available as a convenience base class for SAX2
* applications: it provides default implementations for all of the
* callbacks in the four core SAX2 handler classes:</p>
*
* <ul>
  <li>{@link org.xml.sax.EntityResolver EntityResolver}</li>
  <li>{@link org.xml.sax.DTDHandler DTDHandler}</li>
  <li>{@link org.xml.sax.ContentHandler ContentHandler}</li>
  <li>{@link org.xml.sax.ErrorHandler ErrorHandler}</li>
</ul>
*
* <p>Application writers can extend this class when they need to
* implement only part of an interface; parser writers can
* instantiate this class to provide default handlers when the
* application has not supplied its own.</p>
*
* <p>This class replaces the deprecated SAX1
* [ @link org.xml.sax.HandlerBase HandlerBase ] class.</p>
*
* @since SAX 2.0
* @author David Megginson,
*        <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.EntityResolver
* @see org.xml.sax.DTDHandler
* @see org.xml.sax.ContentHandler
* @see org.xml.sax.ErrorHandler
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/xml/sax/helpers/DefaultHandler.java

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

/**
 * Encapsulate an XML parse error or warning.
 *
 * <blockquote>
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 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * This exception will include information for locating the error
 * in the original XML document. Note that although the application
 * will receive a SAXParseException as the argument to the handlers
 * in the [ @link org.xml.sax.ErrorHandler ErrorHandler ] interface,
 * the application is not actually required to throw the exception;
 * instead, it can simply read the information in it and take a
 * different action.</p>
*
* Since this exception is a subclass of [ @link org.xml.sax.SAXException
 * SAXException ], it inherits the ability to wrap another exception.</p>
*
* @since SAX 1.0
* @author David Megginson,
*        <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 2.0
* @see org.xml.sax.SAXException
* @see org.xml.sax.Locator
* @see org.xml.sax.ErrorHandler
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/xml/sax/SAXParseException.java
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 */

Found in path(s):
 * /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/ranges/RangeException.java
 * /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/CharacterData.java
 * /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/NamedNodeMap.java
 * /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Text.java
 * /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/events/Event.java
 * /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Notation.java
 * /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/events/DocumentEvent.java
 * /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/events/EventTarget.java
 * /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Attr.java
 * /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/ProcessingInstruction.java
 * /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/events/EventException.java
 * /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/traversal/TreeWalker.java
 * /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/events/MutationEvent.java
 * /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Comment.java
 * /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/EntityReference.java
 * /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/DocumentFragment.java
 * /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/CDATASection.java
 * /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Node.java
 * /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/NodeList.java
 * /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/DocumentType.java
 * /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/DOMImplementation.java
*/
* Basic interface for resolving entities.
*
*\<blockquote>\<em>This module, both source code and documentation, is in the\nPublic Domain, and comes with \<strong>NO WARRANTY</strong>.\</em>\</blockquote>
*\</p>*/

  *<p>\</p>*<p>If a SAX application needs to implement customized handling\n* for external entities, it must implement this interface and\n* register an instance with the SAX driver using the\n* \<a href="/opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/Entity.java">\@link org.xml.sax.XMLReader#setEntityResolver setEntityResolver</a>\</p>*

*<p>\</p>*<p>The XML reader will then allow the application to intercept any\n* external entities (including the external DTD subset and external\n* parameter entities, if any) before including them.\</p>*

*<p>\</p>*<p>Many SAX applications will not need to implement this interface,\n* but it will be especially useful for applications that build\n* XML documents from databases or other specialised input sources,\n* or for applications that use URI types other than URLs.\</p>*

*<p>\</p>*<p>The following resolver would provide the application\n* with a special character stream for the entity with the system\n* identifier "http://www.myhost.com/today":\</p>*

*<pre>\</pre>*<p>\</p>*<p>import org.xml.sax.EntityResolver;\</p>*<p>import org.xml.sax.InputSource;\</p>*

*public class MyResolver implements EntityResolver {\n*  public InputSource resolveEntity (String publicId, String systemId)\n\nNo license file was found, but licenses were detected in source scan.
* {  
  * if (systemId.equals("http://www.myhost.com/today")) {  
    // return a special input source  
    MyReader reader = new MyReader();  
    return new InputSource(reader);  
  } else {  
    // use the default behaviour  
    return null;  
  }
  }
  }
  }
  </pre>
*  
* <p>The application can also use this interface to redirect system  
* identifiers to local URIs or to look up replacements in a catalog  
* (possibly by using the public identifier). </p>
*  
* @since SAX 1.0  
* @author David Megginson,  
*        <a href="mailto:sax@megginson.com">sax@megginson.com</a>  
* @version 2.0  
* @see org.xml.sax.Parser#setEntityResolver  
* @see org.xml.sax.InputSource  
*/  

Found in path(s):  
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/EntityResolver.java  
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Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/helpers/package.html  
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Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLParagraphElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLBodyElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLBRElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLFrameElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLTableRowElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLSelectElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLMenuElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLHeadingElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLTableCellElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLHeadElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLBaseFontElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLUListElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLStyleElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLHRElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLOptionElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLOListElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLULListElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLFrameSetElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLStyleElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLHRElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLOptionElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/html/HTMLOListElement.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
Open Source Used In Cisco Unified Contact Center Express 12.5(1) SU2 2178
/**
 * Provide an optional convenience implementation of Locator.
 *
 * <blockquote>
 * <em>This module, both source code and documentation, is in the
 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * This class is available mainly for application writers, who
 * can use it to make a persistent snapshot of a locator at any
 * point during a document parse:
 *
 * <pre>
 * Locator locator;
 * Locator startloc;
 *
 * public void setLocator (Locator locator)
 * {  
 *      // note the locator
 *      this.locator = locator;
 *  }
 *
 * public void startDocument ()
 * {  
 *      // save the location of the start of the document
 *      // for future use.
 *      Locator startloc = new LocatorImpl(locator);
 *  }
 * </pre>
Normally, parser writers will not use this class, since it is more efficient to provide location information only when requested, rather than constantly updating a Locator object."

@since SAX 1.0
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
@see org.xml.sax.Locator Locator

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* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/javax/xml/parsers/ParserConfigurationException.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/javax/xml/parsers/FactoryFinder.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/javax/xml/parsers/FactoryConfigurationError.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/javax/xml/parsers/SAXParserFactory.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/javax/xml/parsers/DocumentBuilderFactory.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/javax/xml/parsers/SAXParser.java
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
jar/javax/xml/parsers/DocumentBuilder.java

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// NO WARRANTY! This class is in the Public Domain.
/**
* Interface for reading an XML document using callbacks.
*<blockquote>
* This module, both source code and documentation, is in the
* Public Domain, and comes with NO WARRANTY.<em>
* </em></blockquote>
<p>Note: despite its name, this interface does not extend the standard Java <a>@link java.io.Reader Reader</a> interface, because reading XML is a fundamentally different activity than reading character data.</p>

XMLReader is the interface that an XML parser's SAX2 driver must implement. This interface allows an application to set and query features and properties in the parser, to register event handlers for document processing, and to initiate a document parse.</p>

All SAX interfaces are assumed to be synchronous: the <a>@link #parse parse</a> methods must not return until parsing is complete, and readers must wait for an event-handler callback to return before reporting the next event.</p>

This interface replaces the (now deprecated) SAX 1.0 <a>@link org.xml.sax.Parser Parser</a> interface. The XMLReader interface contains two important enhancements over the old Parser interface:</p>

- It adds a standard way to query and set features and properties; and
- It adds Namespace support, which is required for many higher-level XML standards.</p>

There are adapters available to convert a SAX1 Parser to a SAX2 XMLReader and vice-versa.</p>

@since SAX 2.0
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
@see org.xml.sax.XMLFilter
@see org.xml.sax.helpers.ParserAdapter
@see org.xml.sax.helpers.XMLReaderAdapter
/**

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/XMLReader.java

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**
* A single input source for an XML entity.
*
This class allows a SAX application to encapsulate information about an input source in a single object, which may include:

- a public identifier, a system identifier, a byte stream (possibly with a specified encoding), and/or a character stream.

There are two places that the application will deliver this input source to the parser: as the argument to the Parser.parse method, or as the return value of the EntityResolver.resolveEntity method.

The SAX parser will use the InputSource object to determine how to read XML input. If there is a character stream available, the parser will read that stream directly; if not, the parser will use a byte stream, if available; if neither a character stream nor a byte stream is available, the parser will attempt to open a URI connection to the resource identified by the system identifier.

An InputSource object belongs to the application: the SAX parser shall never modify it in any way (it may modify a copy if necessary).

@since SAX 1.0
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
@see org.xml.sax.Parser#parse
@see org.xml.sax.EntityResolver#resolveEntity
@see java.io.InputStream
@see java.io.Reader
*/

// NO WARRANTY! This class is in the Public Domain.
/**
 * Exception class for an unsupported operation.
 */

This module, both source code and documentation, is in the Public Domain, and comes with NO WARRANTY.
An XMLReader will throw this exception when it recognizes a feature or property identifier, but cannot perform the requested operation (setting a state or value). Other SAX2 applications and extensions may use this class for similar purposes.

@since SAX 2.0
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
@see org.xml.sax.SAXNotRecognizedException

Found in path(s):
/opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/SAXNotSupportedException.java

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* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/w3c/dom/ranges/package.html
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/**
 * Adapt a SAX1 Parser as a SAX2 XMLReader.
 *
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 * </blockquote>
 *
 * This class wraps a SAX1 [Parser] and makes it act as a SAX2 [XMLReader],
 * with feature, property, and Namespace support.  Note
 * that it is not possible to report [ContentHandler#skippedEntity]
 * events, since SAX1 does not make that information available.
 *
 * This adapter does not test for duplicate Namespace-qualified
 * attribute names.
 *
 * @since SAX 2.0
 * @author David Megginson,
 *         <a href="mailto:sax@megginson.com">sax@megginson.com</a>
 * @version 2.0
 * @see org.xml.sax.helpers.XMLReaderAdapter
 * @see org.xml.sax.XMLReader
 * @see org.xml.sax.Parser
 */
/**
 * Adapt a SAX1 AttributeList as a SAX2 Attributes object.
 *
 * This class is in the Public Domain, and comes with NO
 * WARRANTY of any kind.
 *
 * This wrapper class is used only when Namespace support
 * is disabled -- it provides pretty much a direct mapping
 * from SAX1 to SAX2, except that names and types are
 * interned whenever requested.
 */

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/**
This class provides a default implementation of the SAX2 `Attributes` interface, with the addition of manipulators so that the list can be modified or reused.

There are two typical uses of this class:

1. To take a persistent snapshot of an `Attributes` object in a `ContentHandler#startElement` event; or
2. To construct or modify an `Attributes` object in a SAX2 driver or filter.

This class replaces the now-deprecated SAX1 `AttributeListImpl` class; in addition to supporting the updated `Attributes` interface rather than the deprecated `AttributeList` interface, it also includes a much more efficient implementation using a single array rather than a set of Vectors.

@since SAX 2.0
@author David Megginson
@version 2.0.1 (sax2r2)

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2.jar/org/xml/sax/helpers/AttributesImpl.java

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/**
 * Create a new instance of a class by name.
 *
 * <blockquote>
 * This module, both source code and documentation, is in the Public Domain, and comes with <strong>NO WARRANTY</strong>. See <a href='http://www.saxproject.org'>http://www.saxproject.org</a> for further information.
 * </blockquote>
 */
This class contains a static method for creating an instance of a class from an explicit class name. It tries to use the thread's context ClassLoader if possible and falls back to using Class.forName(String). It also takes into account JDK 1.2+'s AccessController mechanism for performing its actions.

This code is designed to run on JDK version 1.1 and later and compile on versions of Java 2 and later.

@copyright Edwin Goel, David Brownell, Neil Graham

@version $Id: NewInstance.java,v 1.2 2002/08/26 23:55:45 neilg Exp $

Encapsulate a general SAX error or warning.

This class can contain basic error or warning information from either the XML parser or the application: a parser writer or application writer can subclass it to provide additional functionality. SAX handlers may throw this exception or any exception subclassed from it.

If the application needs to pass through other types of exceptions, it must wrap those exceptions in a SAXException or an exception derived from a SAXException.

If the parser or application needs to include information about a specific location in an XML document, it should use the [SAXParseException] subclass.

@since SAX 1.0
@author David Megginson,
// NO WARRANTY! This class is in the Public Domain.
/**
 * Exception class for an unrecognized identifier.
 *
 * <blockquote>
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 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * An XMLReader will throw this exception when it finds an
 * unrecognized feature or property identifier; SAX applications and
 * extensions may use this class for other, similar purposes.</p>
 *
 * @since SAX 2.0
 * @author David Megginson,
 *         <a href="mailto:sax@megginson.com">sax@megginson.com</a>
 * @version 2.0
 * @see org.xml.sax.SAXNotSupportedException
 */

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  */
/**
* Create a new <code>DOMBuilder</code>. The newly constructed parser may
* then be configured by means of its <code>setFeature</code> method,
* and used to parse documents by means of its <code>parse</code>
* method.
* @param mode  The <code>mode</code> argument is either
*   <code>MODE_SYNCHRONOUS</code> or <code>MODE_ASYNCHRONOUS</code>, if
*   <code>mode</code> is <code>MODE_SYNCHRONOUS</code> then the
*   <code>DOMBuilder</code> that is created will operate in synchronous
*   mode, if it's <code>MODE_ASYNCHRONOUS</code> then the
*   <code>DOMBuilder</code> that is created will operate in
*   asynchronous mode.
* @param schemaType  An absolute URI representing the type of the schema
*   language used during the load of a <code>Document</code> using the
*   newly created <code>DOMBuilder</code>. Note that no lexical
*   checking is done on the absolute URI. In order to create a
*   <code>DOMBuilder</code> for any kind of schema types (i.e. the
*   DOMBuilder will be free to use any schema found), use the value
*   <code>null</code>. For W3C XML Schema , applications must use the
*   value <code>"http://www.w3.org/2001/XMLSchema"</code>. For XML DTD
*   , applications must use the value
*   <code>"http://www.w3.org/TR/REC-xml"</code>. Other Schema languages
*   are outside the scope of the W3C and therefore should recommend an
*   absolute URI in order to use this method.
* @return  The newly created <code>DOMBuilder</code> object. This
*   <code>DOMBuilder</code> is either synchronous or asynchronous
*   depending on the value of the <code>mode</code> argument. By
*   default, the newly created <code>DOMBuilder</code> does not contain
*   a <code>DOMErrorHandler</code>, i.e. the value of the
*   <code>ErrorHandler</code> is <code>null</code>. However,
*   implementations may provide a default error handler at creation
*   time. In that case, the initial value of the
*   <code>ErrorHandler</code> attribute on the new created
*   <code>DOMBuilder</code> contains a reference to the default error
*   handler.
* @exception DOMException
*    NOT_SUPPORTED_ERR: Raised if the requested mode or schema type is
*    not supported.
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/w3c/dom/ls/DOMImplementationLS.java
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/**
 * Basic interface for SAX (Simple API for XML) parsers.
 *
 * <blockquote>
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 * Public Domain, and comes with <strong>NO WARRANTY</strong>.</em>
 * </blockquote>
 *
 * This was the main event supplier interface for SAX1; it has been replaced in SAX2 by [XMLReader],
 * which includes Namespace support and sophisticated configurability and extensibility.
 *
 * All SAX1 parsers must implement this basic interface: it allows applications to register handlers for different types of events and to initiate a parse from a URI, or a character stream.
 *
 * All SAX1 parsers must also implement a zero-argument constructor (though other constructors are also allowed).
 *
 * SAX1 parsers are reusable but not re-entrant: the application may reuse a parser object (possibly with a different input source) once the first parse has completed successfully, but it may not invoke the parse() methods recursively within a parse.
 *
 * @deprecated This interface has been replaced by the SAX2 interface, which includes Namespace support.
 * @since SAX 1.0
 * @author David Megginson,
 *         <a href="mailto:sax@megginson.com">sax@megginson.com</a>
 * @version 2.0
 * @see org.xml.sax.EntityResolver
 * @see org.xml.sax.DTDHandler
 * @see org.xml.sax.DocumentHandler
 * @see org.xml.sax.ErrorHandler
 * @see org.xml.sax.HandlerBase
 * @see org.xml.sax.InputSource
 */

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/Parser.java
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/**
 * SAX2 extension handler for DTD declaration events.
 *
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Note that data-related DTD declarations (unparsed entities and notations) are already reported through the DTDHandler interface.

If you are using the declaration handler together with a lexical handler, all of the events will occur between the startDTD and endDTD events.

To set the DeclHandler for an XML reader, use the XMLReader#setProperty method with the propertyId "http://xml.org/sax/properties/declaration-handler". If the reader does not support declaration events, it will throw a SAXNotRecognizedException or a SAXNotSupportedException when you attempt to register the handler.

Java-specific class for dynamically loading SAX parsers.

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This class is designed to work with the now-deprecated SAX1 class. SAX2 applications should use XMLReaderFactory instead.

ParserFactory is not part of the platform-independent definition of SAX; it is an additional convenience class designed specifically for Java XML application writers. SAX applications can use the static methods in this class to allocate a SAX parser dynamically at run-time based either on the value of the `org.xml.sax.parser' system property or on a string containing the class name.

Note that the application still requires an XML parser that implements SAX1.

This class works with the deprecated SAX1 interface.

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/**
 * Adapt a SAX2 XMLReader as a SAX1 Parser.
 *
 * <blockquote>
This class wraps a SAX2 [XMLReader] and makes it act as a SAX1 [Parser]. The XMLReader must support a true value for the http://xml.org/sax/features/namespace-prefixes property or parsing will fail with a [SAXException]; if the XMLReader supports a false value for the http://xml.org/sax/features/namespaces property, that will also be used to improve efficiency.

@since SAX 2.0
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
@see org.xml.sax.Parser
@see org.xml.sax.XMLReader

Found in path(s):
/opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/helpers/XMLReaderAdapter.java

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/**
 * Receive notification of the logical content of a document.
 */

This is the main interface that most SAX applications implement: if the application needs to be informed of basic parsing events, it implements this interface and registers an instance with the SAX parser using the [setContentHandler] method. The parser uses the instance to report basic document-related events like the start and end of elements and character data.

The order of events in this interface is very important, and mirrors the order of information in the document itself. For example, all of an element's content (character data, processing instructions, and/or subelements) will appear, in order, between the startElement event and the corresponding endElement event.
This interface is similar to the now-deprecated SAX 1.0 DocumentHandler interface, but it adds support for Namespaces and for reporting skipped entities (in non-validating XML processors).

Implementors should note that there is also a Java class \{@link java.net.ContentHandler ContentHandler\} in the java.net package; that means that it's probably a bad idea to do.

In fact, "import ...*" is usually a sign of sloppy programming anyway, so the user should consider this a feature rather than a bug.

@since SAX 2.0
@author David Megginson,
<a href="mailto:sax@megginson.com">sax@megginson.com</a>
@version 2.0
@see org.xml.sax.XMLReader
@see org.xml.sax.DTDHandler
@see org.xml.sax.ErrorHandler
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-jar/org/xml/sax/ContentHandler.java

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/**
 * SAX2 extension handler for lexical events.
 *
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 *
 * This is an optional extension handler for SAX2 to provide lexical information about an XML document, such as comments and CDATA section boundaries; XML readers are not required to support this handler, and it is not part of the core SAX2 distribution.
 *
 * The events in the lexical handler apply to the entire document, not just to the document element, and all lexical handler events

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* must appear between the content handler's startDocument and
  * endDocument events.</p>

* <p>To set the LexicalHandler for an XML reader, use the
  * [@link org.xml.sax.XMLReader#setProperty setProperty] method
  * with the propertyId "http://xml.org/sax/properties/lexical-handler".
  * If the reader does not support lexical events, it will throw a
  * [@link org.xml.sax.SAXNotRecognizedException SAXNotRecognizedException]
  * or a
  * [@link org.xml.sax.SAXNotSupportedException SAXNotSupportedException]
  * when you attempt to register the handler.</p>

* </p>

* @since 1.0
* @author David Megginson,
  * <a href="mailto:sax@megginson.com">sax@megginson.com</a>
* @version 1.0
* @see org.xml.sax.XMLReader#setProperty
* @see org.xml.sax.SAXNotRecognizedException
* @see org.xml.sax.SAXNotSupportedException
*/

Found in path(s):
* /opt/cola/permits/1150916854_1617719483.11/0/xml-apis-2-0-2-sources-2-
  jar/org/xml/sax/ext/LexicalHandler.java

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1.271 metrics-jmx 4.0.5

1.272 tiles-autotag-core-runtime 1.2
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Ajay Joshi <jaj@google.com>
Balzs Dn <balazs.dan@gmail.com>
Bharat Mediratta <bharat@menalto.com>
Chandler Carruth <chandlerc@google.com>
Chris Prince <cprince@google.com>
Chris Taylor <taylorc@google.com>
Dan Egnor <egnor@google.com>
Eric Roman <eroman@chromium.org>
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Ji Sigursson <joi@google.com>
Keir Mierle <mierle@gmail.com>
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*/opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5.6.0-sources-
jar/com/sun/jna/platform/win32/COM/IRecordInfo.java
*/opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5.6.0-sources-
jar/com/sun/jna/platform/win32/COM/COMEarlyBindingObject.java
*/opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5.6.0-sources-
jar/com/sun/jna/platform/win32/OleAuto.java
*/opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5.6.0-sources-
jar/com/sun/jna/platform/win32/COM/Unknown.java
*/opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5.6.0-sources-
jar/com/sun/jna/platform/win32/COM/ITypeLib.java
*/opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5.6.0-sources-
jar/com/sun/jna/platform/win32/Wtsapi32.java
*/opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5.6.0-sources-
jar/com/sun/jna/platform/win32/COM/IDispatch.java
*/opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5.6.0-sources-
jar/com/sun/jna/platform/win32/COM/TypeComp.java
*/opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5.6.0-sources-
jar/com/sun/jna/platform/win32/COM/COMException.java
*/opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5.6.0-sources-
jar/com/sun/jna/platform/win32/COM/Dispatch.java
*/opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5.6.0-sources-
jar/com/sun/jna/platform/win32/COM/COMLateBindingObject.java
*/opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5.6.0-sources-
jar/com/sun/jna/platform/win32/COM/COMBaseObject.java
*/opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5.6.0-sources-
jar/com/sun/jna/platform/win32/COM/IUnknown.java
*/opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5.6.0-sources-
jar/com/sun/jna/platform/win32/COM/COMBindingBaseObject.java
*/opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5.6.0-sources-
jar/com/sun/jna/platform/win32/COM/ITypeComp.java
*/opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5.6.0-sources-
jar/com/sun/jna/platform/win32/COM/TypeInfo.java
*/opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5.6.0-sources-
jar/com/sun/jna/platform/win32/COM/DTInfo.java
*/opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5.6.0-sources-
jar/com/sun/jna/platform/win32/COM/ITypeInfo.java
*/opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5.6.0-sources-
jar/com/sun/jna/platform/win32/COM/ITypeComp.java
*/opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5.6.0-sources-
jar/com/sun/jna/platform/win32/COM/TypeLib.java
*/opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5.6.0-sources-
jar/com/sun/jna/platform/win32/COM/TypeInfo.java
*/opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5.6.0-sources-
jar/com/sun/jna/platform/win32/COM/ITypeLib.java
jar/com/sun/jna/platform/win32/COM/RecordInfo.java

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* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/mac/XAttr.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/mac/XAttrUtil.java

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* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/mac/IOReturnException.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/mac/CoreFoundation.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/mac/IOKit.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/mac/IOKitUtil.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/mac/DiskArbitration.java

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* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/tlb/imp/TlbCmdlineArgs.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/tlb/imp/TlbAbstractMethod.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/tlb/imp/TlbDispInterface.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/tlb/imp/TlbPropertyPutStub.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/tlb/imp/TlbFunctionVTable.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/tlb/imp/TlbFunctionVTable.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/tlb/imp/TlbFunctionDispId.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/tlb/imp/TlbParameterNotFoundException.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/tlb/imp/TlbEnum.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/tlb/imp/TlbBase.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/tlb/imp/TlbFunctionStub.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/tlb/imp/TlbFunctionDispId java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/tlb/imp/TlbConst.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/tlb/imp/TlbUtils.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/comutils.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/tlb/imp/TlbEnum.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/COM/tlb/imp/TlbEnum.java
jar/com/sun/jna/platform/win32/COM/tlb/Imp/TlbInterface.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
jar/com/sun/jna/platform/win32/COM/tlb/Imp/TlbPropertyGetStub.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
jar/com/sun/jna/platform/win32/COM/tlb/Imp/TlbCoClass.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
jar/com/sun/jna/platform/win32/COM/tlb/Imp/TlbPropertyGet.java

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jar/com/sun/jna/platform/win32/PdhUtil.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
jar/com/sun/jna/platform/win32/Wbemcli.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
jar/com/sun/jna/platform/win32/Cfgmgr32Util.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
jar/com/sun/jna/platform/win32/Cfgmgr32.java

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/**
 ***/
/* <code>
  BOOL WINAPI CreateProcessWithLogonW(
    _In_         LPCWSTR lpUsername,
    _In_opt_     LPCWSTR lpDomain,
    _In_         LPCWSTR lpPassword,
    _In_         DWORD dwLogonFlags,
    _In_opt_     LPCWSTR lpApplicationName,
    _Inout_opt_  LPWSTR lpCommandLine,
    _In_         DWORD dwCreationFlags,
    _In_opt_     LPVOID lpEnvironment,
    _In_opt_     LPCWSTR lpCurrentDirectory,
    _In_         LPSTARTUPINFOW lpStartupInfo,
    _Out_        LPPROCESS_INFORMATION lpProcessInfo
  );
*/
/* </code>
*
/* @param lpUsername */
/* [in]<br> */
/* The name of the user. This is the name of the user account to */
/* log on to. <br> */
/* If you use the UPN format, user@DNS_domain_name, the lpDomain */
/* parameter must be NULL.<br> */
/* The user account must have the Log On Locally permission on */
/* the local computer. <br> */
This permission is granted to all users on workstations and
servers, but only to administrators on domain controllers.

@param lpDomain
[in, optional]<br>
The name of the domain or server whose account database
contains the lpUsername account. <br>
If this parameter is NULL, the user name must be specified in
UPN format.

@param lpPassword
[in]<br>
The clear-text password for the lpUsername account.

@param dwLogonFlags
[in]<br>
The logon option. This parameter can be 0 (zero) or one of the
following values. <br>
LOGON_WITH_PROFILE: 0x00000001<br>
Log on, then load the user profile in the HKEY_USERS registry
key.<br>
The function returns after the profile is loaded. <br>
Loading the profile can be time-consuming, so it is best to
use this value only if you must access the information in the
HKEY_CURRENT_USER registry key.<br>
Windows Server 2003: The profile is unloaded after the new
process is terminated, whether or not it has created child
processes.<br>
Windows XP: The profile is unloaded after the new process and
all child processes it has created are terminated.<br>
LOGON_NETCREDENTIALS_ONLY: 0x00000002<br>
Log on, but use the specified credentials on the network only.<br>
The new process uses the same token as the caller, but the
system creates a new logon session within LSA, and the process
uses the specified credentials as the default credentials.<br>
This value can be used to create a process that uses a
different set of credentials locally than it does remotely.<br>
This is useful in inter-domain scenarios where there is no
trust relationship.<br>
The system does not validate the specified credentials.<br>
Therefore, the process can start, but it may not have access
to network resources.

@param lpApplicationName
[in, optional]<br>
The name of the module to be executed. This module can be a
Windows-based application.<br>
It can be some other type of module (for example, MS-DOS or
OS/2) if the appropriate subsystem is available on the local computer. The string can specify the full path and file name of the module to execute or it can specify a partial name. 

If it is a partial name, the function uses the current drive and current directory to complete the specification. The function does not use the search path. This parameter must include the file name extension; no default extension is assumed. The lpApplicationName parameter can be NULL, and the module name must be the first white space-delimited token in the lpCommandLine string. 

If you are using a long file name that contains a space, use quoted strings to indicate where the file name ends and the arguments begin; otherwise, the file name is ambiguous. For example, the following string can be interpreted in different ways:

"c:\program files\sub dir\program name"
The system tries to interpret the possibilities in the following order:

c:\program.exe files\sub dir\program name
c:\program files\sub.exe dir\program name
c:\program files\sub dir\program.exe name
c:\program files\sub dir\program name.exe

If the executable module is a 16-bit application, lpApplicationName should be NULL, and the string pointed to by lpCommandLine should specify the executable module and its arguments.

The command line to be executed. The maximum length of this string is 1024 characters. If lpApplicationName is NULL, the module name portion of lpCommandLine is limited to MAX_PATH characters. The function can modify the contents of this string. Therefore, this parameter cannot be a pointer to read-only memory (such as a const variable or a literal string). If this parameter is a constant string, the function may cause an access violation. The lpCommandLine parameter can be NULL, and the function uses the string pointed to by lpApplicationName as the command line. 

If both lpApplicationName and lpCommandLine are non-NULL, *lpApplicationName specifies the module to execute, and *lpCommandLine specifies the command line. The new process can use GetCommandLine to retrieve the entire
command line.<br>

Console processes written in C can use the argc and argv arguments to parse the command line. <br>

Because argv[0] is the module name, C programmers typically repeat the module name as the first token in the command line.

If lpApplicationName is NULL, the first white space-delimited token of the command line specifies the module name.<br>

If you are using a long file name that contains a space, use quoted strings to indicate where the file name ends and the arguments begin (see the explanation for the lpApplicationName parameter). If the file name does not contain an extension, .exe is appended. Therefore, if the file name extension is .com, this parameter must include the .com extension. If the file name ends in a period with no extension, or if the file name contains a path, .exe is not appended. If the file name does not contain a directory path, the system searches for the executable file in the following sequence:<br>

1. The directory from which the application loaded.<br>
2. The current directory for the parent process.<br>
3. The 32-bit Windows system directory. Use the GetSystemDirectory function to get the path of this directory.<br>
4. The 16-bit Windows system directory. There is no function that obtains the path of this directory, but it is searched.<br>
5. The Windows directory. Use the GetWindowsDirectory function to get the path of this directory.<br>
6. The directories that are listed in the PATH environment variable. Note that this function does not search the per-application path specified by the App Paths registry key. To include this per-application path in the search sequence, use the ShellExecute function.<br>

The system adds a null character to the command line string to separate the file name from the arguments. This divides the original string into two strings for internal processing.<br>

@param dwCreationFlags
The flags that control how the process is created. <br>

The CREATE_DEFAULT_ERROR_MODE, CREATE_NEW_CONSOLE, and CREATE_NEW_PROCESS_GROUP flags are enabled by default. <br>
Even if you do not set the flag, the system functions as if it were set. You can specify additional flags as noted.<br>

CREATE_DEFAULT_ERROR_MODE: 0x04000000<br>
The new process does not inherit the error mode of the calling process.
Instead, CreateProcessWithLogonW gives the new process the current default error mode. <br>
An application sets the current default error mode by calling SetErrorMode. This flag is enabled by default.<br>
<br>
CREATE_NEW_CONSOLE: 0x00000010<br>
The new process has a new console, instead of inheriting the parent’s console. This flag cannot be used with the DETACHED_PROCESS flag. <br>
This flag is enabled by default.<br>
<br>
CREATE_NEW_PROCESS_GROUP: 0x00000200<br>
The new process is the root process of a new process group.<br>
The process group includes all processes that are descendants of this root process.<br>
The process identifier of the new process group is the same as the process identifier, which is returned in the lpProcessInfo parameter. <br>
Process groups are used by the GenerateConsoleCtrlEvent function to enable sending a CTRL+C or CTRL+BREAK signal to a group of console processes. <br>
This flag is enabled by default.<br>
<br>
CREATE_SEPARATE_WOW_VDM: 0x00000800<br>This flag is only valid starting a 16-bit Windows-based application. <br>
If set, the new process runs in a private Virtual DOS Machine (VDM). <br>
By default, all 16-bit Windows-based applications run in a single, shared VDM. <br>
The advantage of running separately is that a crash only terminates the single VDM; any other programs running in distinct VDMs continue to function normally. <br>
Also, 16-bit Windows-based applications that run in separate VDMs have separate input queues, which means that if one application stops responding momentarily, applications in separate VDMs continue to receive input. <br>
CREATE_SUSPENDED: 0x00000004<br>The primary thread of the new process is created in a suspended state, and does not run until the ResumeThread function is called. <br>
<br>
CREATE_UNICODE_ENVIRONMENT: 0x00000400<br>Indicates the format of the lpEnvironment parameter. <br>
If this flag is set, the environment block pointed to by lpEnvironment uses Unicode characters. <br>
Otherwise, the environment block uses ANSI characters.
EXTENDED_STARTUPINFO_PRESENT: 0x00080000<br>
The process is created with extended startup information; the<br>lpStartupInfo parameter specifies a STARTUPINFOEX structure.<br><br>Windows Server 2003 and Windows XP: This value is not supported.<br>

@param lpEnvironment<br>  [in, optional]<br>  A pointer to an environment block for the new process.<br>  If this parameter is NULL, the new process uses an environment<br>  created from the profile of the user specified by lpUsername.<br>  An environment block consists of a null-terminated block of<br>  null-terminated strings.<br>  Each string is in the following form:<br>  name=value<br>  Because the equal sign (=) is used as a separator, it must not<br>  be used in the name of an environment variable.<br>  An environment block can contain Unicode or ANSI characters.<br>  If the environment block pointed to by lpEnvironment contains<br>  Unicode characters, ensure that dwCreationFlags includes<br>  CREATE_UNICODE_ENVIRONMENT.<br>  If this parameter is NULL and the environment block of the<br>  parent process contains Unicode characters, you must also<br>  ensure that dwCreationFlags includes<br>  CREATE_UNICODE_ENVIRONMENT.<br>  An ANSI environment block is terminated by two 0 (zero) bytes:<br>  one for the last string and one more to terminate the block.<br>  A Unicode environment block is terminated by four zero bytes:<br>  two for the last string and two more to terminate the block.<br>  To retrieve a copy of the environment block for a specific<br>  user, use the CreateEnvironmentBlock function.<br>

@param lpCurrentDirectory<br>  [in, optional]<br>  The full path to the current directory for the process.<br>  The string can also specify a UNC path.<br>  If this parameter is NULL, the new process has the same<br>  current drive and directory as the calling process.<br>  This feature is provided primarily for shells that need to<br>  start an application, and specify its initial drive and<br>  working directory.<br>

@param lpStartupInfo<br>  [in]<br>  A pointer to a STARTUPINFO or STARTUPINFOEX structure. <br>  The application must add permission for the specified user<br>  account to the specified window station and desktop, even for
WinSta0\Default.<br>
If the lpDesktop member is NULL or an empty string, the new
process inherits the desktop and window station of its parent
process.<br>
The application must add permission for the specified user
account to the inherited window station and desktop.<br>
Windows XP: CreateProcessWithLogonW adds permission for the
specified user account to the inherited window station and
desktop.<br>
Handles in STARTUPINFO or STARTUPINFOEX must be closed with
CloseHandle when they are no longer needed.<br>
Important If the dwFlags member of the STARTUPINFO structure
specifies STARTF_USESTDHANDLES, the standard handle fields are
copied unchanged to the child process without validation.<br>
The caller is responsible for ensuring that these fields
contain valid handle values. Incorrect values can cause the
child process to misbehave or crash.<br>
Use the Application Verifier runtime verification tool to
detect invalid handles.<br>@param lpProcessInfo
[out]<br>A pointer to a PROCESS_INFORMATION structure that receives
identification information for the new process, including a
handle to the process.<br>Handles in PROCESS_INFORMATION must be closed with the
CloseHandle function when they are not needed.<br>@return If the function succeeds, the return value is nonzero.<br>If the function fails, the return value is 0 (zero).<br>To get extended error information, call GetLastError.<br>Note that the function returns before the process has finished
initialization.<br>If a required DLL cannot be located or fails to initialize, the
process is terminated.<br>To get the termination status of a process, call
GetExitCodeProcess.<br>@see <a href="http://msdn.microsoft.com/en-us/library/windows/desktop/ms682431%28v=vs.85%29.aspx">MSDN</a>
*/

Found in path(s):
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  jar/com/sun/jna/platform/linux/XAttrUtil.java

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* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-jar/com/sun/jna/platform/win32/WinioctlUtil.java
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  jar/com/sun/jna/platform/win32/WevtapiUtil.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
  jar/com/sun/jna/platform/win32/Winevt.java
* /opt/cola/permits/1102347507_1603692766.03/0/jna-platform-5-6-0-sources-
  jar/com/sun/jna/platform/win32/Wevtapi.java

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// MessageId: ERROR_DS_CONFIDENTIALITY_REQUIRED
// version.

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jar/com/sun/jna/platform/win32/Rasapi32Util.java
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* /opt/cola/permits/1269629053_1644561513.23/0/encoder-1-2-1-sources-jar/org/owasp/encoder/EncodedWriter.java
* /opt/cola/permits/1269629053_1644561513.23/0/encoder-1-2-1-sources-jar/org/owasp/encoder/JavaEncoder.java
* /opt/cola/permits/1269629053_1644561513.23/0/encoder-1-2-1-sources-jar/org/owasp/encoder/URIEncoder.java

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Found in path(s):
* /opt/cola/permits/1269629053_1644561513.23/0/encoder-1-2-1-sources-jar/META-INF/maven/org.owasp.encoder/encoder/pom.xml

1.289 c-ares 1.7.5

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1.306 javassist 3.20.0-GA

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* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/annotation/BooleanMemberValue.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/annotation/LongMemberValue.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/annotation/CharMemberValue.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/annotation/FloatMemberValue.java
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* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/annotation/MemberValue.java
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* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/annotation/ByteMemberValue.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/annotation/ClassMemberValue.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/annotation/MemberValueVisitor.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/annotation/IntegerMemberValue.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/annotation/AnnotationMemberValue.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/annotation/StringMemberValue.java

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* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/ClassFileWriter.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/expr/Handler.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/convert/TransformFieldAccess.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/CtNewConstructor.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/compiler/ast/AssignExpr.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/analysis/ControlFlow.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/tools/web/Webserver.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/tools/rmi/Proxy.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/StackMap.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/runtime/DotClass.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/convert/TransformReadField.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/ClassPool.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/tools/reflect/CannotCreateException.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/util/HotSwapper.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/LoaderClassPath.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/InnerClassesAttribute.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/stackmap/TypeData.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/compiler/NoFieldException.java
* /opt/cola/permits/1135953616_1613641211.06/0/javassist-3-20-0-ga-sources-5-jar/javassist/bytecode/stackmap/MapMaker.java
1.307 dosfs-tools 3.0.20 9.el7

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1.308 metrics-jetty 4.0.5

1.309 jersey-container-servlet 2.25.1

1.310 mina-integration-jmx 2.1.3
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1.311 openssl 1.0.1e-42.el7.9

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1.312 jetty-http 9.4.18.v20190429

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2
The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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jar/io/netty/handler/ssl/OpenSslDefaultApplicationProtocolNegotiator.java

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  jar/io.netty.handler.ssl/NotSslRecordException.java
* /opt/ws_local/PERMITS_SQL/1072989935_1595248329.71/0/netty-handler-4-1-39-final-sources-
  jar/io.netty.handler.timeout/IdleState.java
* /opt/ws_local/PERMITS_SQL/1072989935_1595248329.71/0/netty-handler-4-1-39-final-sources-
  jar/io.netty.util/package-info.java
* /opt/ws_local/PERMITS_SQL/1072989935_1595248329.71/0/netty-handler-4-1-39-final-sources-
  jar/io.netty.handler.timeout/TimeoutException.java
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  jar/io.netty.handler.stream/package-info.java
* /opt/ws_local/PERMITS_SQL/1072989935_1595248329.71/0/netty-handler-4-1-39-final-sources-
  jar/io.netty.handler.stream/ChunkedStream.java
* /opt/ws_local/PERMITS_SQL/1072989935_1595248329.71/0/netty-handler-4-1-39-final-sources-
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* src/svg.js - Code to embed SVG into normal HTML for browsers that natively support SVG adapted from Sam
  Ruby's code - http://intertwingly.net/blog/2006/12/05/HOWTO-Embed-MathML-and-SVG-into-HTML4 - currently
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1.324 icu 50.1.2-17.el7
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--=-.makefile=-.--
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files

GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

## Flags for position independent code

SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -DPIC

## Additional flags when building libraries and with threads

THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path

LD_RPATH=
LD_RPATH_PRE=-Wl,-rpath,

## Compiler switch to embed a library name

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

## Shared library options

LD_SOOPTIONS=-Wl,-Bsymbolic

## Shared object suffix

SO = so

## Non-shared intermediate object suffix

STATIC_O = ao

## Compilation rules

%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
%.o: $(srcdir)/%.c
$(COMPILE.c) $(DYNAMICCPPFLAGS) $(DYNAMICCFLAGS) -o $@ $<

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

## Dependency rules

%.d: $(srcdir)/%.c
@echo "generating dependency information for "$<"
@$(SHELL) -ec "$(GEN_DEPS.c) $< \
   \ | sed \"s/\($\%\)/\1.o : /g\" > $@;\" \
   \ [-s $@ ] || rm -f $@"
1.325 transactions 3.9.3

1.326 apache-felix-gogo-runtime 0.8.0

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October 28, 1997
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Sam Lantinga(slouken@libsdl.org)

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1.332 ant-launcher 1.10.8

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1.333 jackson-jaxrs 2.12.0

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1.337 shiro-crypto-cipher 1.7.1

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1.338 orc 0.4.26-1.el7

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1.340 apache-log4j-extras 1.2.17

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1.345 jackson-data 1.9.2

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* /opt/cola/permits/1126439541_1611634442.47/0/json-20131018-sources-jar/org/json/zip/Decompressor.java
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/ *

Found in path(s):
* /opt/cola/permit/1126439541_1611634442.47/0/json-20131018-sources-jar/org/json/JSONWriter.java
* /opt/cola/permit/1126439541_1611634442.47/0/json-20131018-sources-jar/org/json/JSONStringer.java

1.349 hibernate-validator 6.1.5.Final

1.349.1 Available under license :

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* *
* License: Apache License, Version 2.0
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* */
/**
* Retrieves constraint related meta data for the parameters of the given executable.
* *
* @param javaBeanExecutable The executable of interest.
* *
* @return A list with parameter meta data for the given executable.
* */
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6.1.5-final-sources-1-
  jar/org/hibernate/validator/internal/metadata/provider/AnnotationMetaDataProvider.java
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  jar/org/hibernate/validator/internal/util/ConcurrentReferenceHashMap.java
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* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6.1.5-final-sources-1-
  jar/org/hibernate/validator/internal/util/TypeHelper.java
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* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/hv/ScriptAssertValidator.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/constraintvalidation/LambdaBasedValidatorDescriptor.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/valueextraction/MapPropertyKeyExtractor.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/valueextraction/ListValueExtractor.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeOrZeroValidatorForDouble.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/constraintvalidators/bv/time/past/package-info.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/constraintvalidators/bv/time/past/PastValidatorForThaiBuddhistDate.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/constraintvalidators/bv/time/past/PastValidatorForInstant.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForMonthDay.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForMonth.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForDate.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForTime.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForLocalDate.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForLocalTime.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForLocalDateOnly.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForDateTime.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForLocalDateTime.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForDateAndTime.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForLocalDateAndTime.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForTimestamp.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForTimestampWithoutTimezone.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/DecimalMaxValidatorForDouble.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/valueextraction/DoubleArrayValueExtractor.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/decimal/DecimalMinValidatorForNumber.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/constraints/NotEmpty.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/util/logging/package-info.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/util/logging/formatter/ClassObjectFormatter.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/resolver/JPATraversableResolver.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/metadata/descriptor/BeanDescriptorImpl.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/notempty/NotEmptyValidatorForArraysOfInt.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/constraintvalidation/ConstraintValidatorDescriptor.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/xml/mapping/ContainerElementTypeConfigurationBuilder.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/metadata/raw/ConstrainedElement.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/xml/mapping/MappingXmlParser.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/hv/pl/REGONValidator.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/PositiveValidatorForBigInteger.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/money/NegativeValidatorForMonetaryAmount.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/cfg/defs/Mod10CheckDef.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/xml/mapping/ClassLoaderHelper.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/InfinityNumberComparatorHelper.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/constraints/ScriptAssert.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/notempty/NotEmptyValidatorForArraysOfDouble.java
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/DecimalMinValidatorForInteger.java

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/groups/ValidationOrderGenerator.java

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/BaseHibernateValidatorConfiguration.java

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/valueextraction/AnnotatedObject.java

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/valueextraction/FloatArrayValueExtractor.java

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/time/pastorpresent/PastOrPresentValidatorForReadableInstance.java

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/spi/messageinterpolation/LocaleResolver.java

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/scripting/package-info.java

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/cfg/context/ConstraintDefinitionTarget.java

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/metadata/aggregated/GroupConversionHelper.java

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/util/CollectionHelper.java

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/scripting/DefaultScriptEvaluatorFactory.java

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/MinValidatorForBigInteger.java

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/util/logging/formatter/CollectionOfClassesObjectFormatter.java

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/util/logging/formatter/ExecutableFormatter.java

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/xml/mapping/ConstrainedMethodStaxBuilder.java

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/spi/scripting/AbstractCachingScriptEvaluatorFactory.java

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/util/DomainNameUtil.java

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/resolver/TraverseAllTraversableResolver.java

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/MinMaxValidatorForBigInteger.java

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/metadata/provider/ProgrammaticMetaDataProvider.java

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/engine/valueextraction/ListPropertyValueExtractor.java

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/cfg/defs/MaxDef.java

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/util/logging/formatter/CollectionOfClassesObjectFormatter.java

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/util/logging/formatter/ExecutableFormatter.java

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/open-source-used-in-cisco-unified-contact-center-express-12.5(1)SU2
Open Source Used In Cisco Unified Contact Center Express 12.5(1) SU2 2850
Open Source Used In Cisco Unified Contact Center Express 12.5(1) SU2 2854
Open Source Used In Cisco Unified Contact Center Express 12.5(1) SU2 2856

* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/internal/properties/Signature.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/internal/engine/messageinterpolation/parser/TokenIterator.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/PositiveValidatorForFloat.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/past/PastValidatorForLocalDate.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/internal/util/logging/formatter/ObjectArrayFormatter.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/internal/cfg/context/GroupConversionTargetContextImpl.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/messageinterpolation/HibernateMessageInterpolatorContext.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/internal/constraintvalidators/Notempty/NotEmptyValidatorForArraysOfShort.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/internal/engine/messageinterpolation/ParameterTermResolver.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/spi/nodenameprovider/JavaBeanProperty.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
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* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/internal/constraintvalidators/bv/size/SizeValidatorForArraysOfDouble.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/config/context/ConstraintMappingContextImplBase.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/internal/engine/constraintvalidation/ConstraintValidatorFactoryImpl.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/internal/constraintvalidators/bv/time/futureorpresent/FutureOrPresentValidatorForZonedDateTime.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/configuration/ValueValueExtractor.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/config/defs/CreditCardNumberDef.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/internal/metadata/descriptor/GroupConversionDescriptorImpl.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/internal/engine/ConstraintViolationImpl.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/internal/constraintvalidators/bv/Mod11CheckValidator.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/internal/declarations/Immutable.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/internal/constraintvalidators/Util/Stereotypes/Immutable.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1-
jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/PositiveValidatorForBigDecimal.java
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* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/metadata/descriptor/ClassDescriptorImpl.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeValidatorForNumber.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/time/future/AbstractFutureJavaTimeValidator.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/resourceloading/package-info.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/cfg/defs/FutureOrPresentDef.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/context/ReturnValueConstraintMappingContextImpl.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/INTERNAL/util/Version.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/sign/NegativeOrZeroValidatorForCharSequence.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/money/NegativeOrZeroValidatorForMonetaryAmount.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/context/ConstraintContextImplBase.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/metadata/location/ParameterConstraintLocation.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/INTERNAL/util/privilegedactions/NewInstance.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/properties/Property.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/internal/constraintvalidators/bv/number/bound/MinValidatorForDouble.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/INTERNAL/util/action/AbstractScriptAssertValidator.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/INTERNAL/property/PropertyValueTarget.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validation/validator/internal/engine/valueextraction/ValueExtractorDescriptor.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validation/validator/internal/constraintvalidators/bv/time/pastorpresent/PastOrPresentValidatorForYearMonth.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validation/validator/internal/constraintvalidators/bv/number/bound/DecimalMinValidatorForByte.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validation/validator/internal/cfg/context/TypeConstraintMappingContextImpl.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validation/validator/internal/constraintvalidators/hv/Mod10CheckValidator.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validation/validator/ValidationResult.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validation/validator/constraintvalidators/bv/money/DecimalMinValidatorForMonetaryAmount.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validation/validator/internal/engine/validationcontext/PropertyValidationContext.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validation/validator/internal/constraintvalidators/bv/number/sign/PositiveOrZeroValidatorForShort.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validation/validator/constraintvalidators/RegexpURLValidator.java
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validation/validator/internal/engine/valueextraction/MapKeyExtractor.java

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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/META-INF/validation-mapping-1.0.xsd
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/META-INF/validation-mapping-1.1.xsd
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/META-INF/maven/org.hibernate.validator/hibernate-validator/pom.xml
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/org/hibernate/validator/overview.html
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/META-INF/validation-configuration-1.0.xsd
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/META-INF/validation-configuration-1.1.xsd
* /opt/ws_local/PERMITS_SQL/1073022525_1595251909.25/0/hibernate-validator-6-1-5-final-sources-1.jar/META-INF/validation-configuration-2.0.xsd
/*
 * Hibernate Validator, declare and validate application constraints
 *
 * License: Apache License, Version 2.0
 * See the license.txt file in the root directory or <http://www.apache.org/licenses/LICENSE-2.0>.
 */
/**
 * A method-level constraint, that evaluates a script expression against the
 * annotated method or constructor. This constraint can be used to implement
 * validation routines that depend on several parameters of the annotated
 * executable.
 *
 * Script expressions can be written in any scripting or expression language,
 * for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a> compatible engine can be
 * found on the classpath. To refer to a parameter within the scripting
 * expression, use its name as obtained by the active
 * <code>@link javax.validation.ParameterNameProvider</code>. The default provider will
 * return the actual parameter names, if the -parameters compiler option
 * has been enabled, and <code>@code arg0</code>, <code>@code arg1</code> etc. otherwise.
 *
 * The following listing shows an example using the JavaScript engine which
 * comes with the JDK:
 *
 * Can be specified on any method or constructor.
 *
 * @author Gunnar Morling
 */

Found in path(s):
/.../hibernate-validator-6.1.5-final-sources-1.jar/org/hibernate/validator/constraints/ParameterScriptAssert.java
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**1.356 bouncycastle-fips 1.0.3**

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```java
/**
 * Base constructor.
 * <p>
 * The authorizer attempts to perform matching (including the use of the wildcard) in accordance with RFC 6125.
 * </p>
 * <p>
 * Known suffixes is a list of public domain suffixes that can't be used as wild cards for
 * example *.com, or c*c.com, as a dns wildcard could match every/most .com domains if a registrar were issue it.
 * If *.com is in the known suffixes list will not be allowed to match.
 * </p>
 * 
 * @param knownSuffixes a set of suffixes that cannot be wild-carded, e.g. { ".com", ".net", ".org" }
 */
```

Found in path(s):
* /opt/cola/permits/1126575284_1611720720.96/0/bcpkix-fips-1-0-3-sources-jar/org/bouncycastle/est/jcajce/JsseDefaultHostnameAuthorizer.java

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Programs

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To do so, attach the following notices to the program. It is safest to attach them to the start of each source file to most effectively convey the exclusion of warranty; and each file should have at least the "copyright" line and a pointer to where the full notice is found.
<one line to give the program's name and a brief idea of what it does.>
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<signature of Ty Coon>, 1 April 1989
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The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a
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   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

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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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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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That's all there is to it!

1.363 commons-beanutils 1.9.2
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1.364 openscap 1.2.17-2.el7

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b) Use a suitable shared library mechanism for linking with the
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1.368 jmock-legacy 2.5.1

1.369 javassist 3.4.ga
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1.370 pyliblzma 0.5.3

1.371 atk 2.22.0-3.el7

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1.372 krb5-conf 1.0-r2

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  lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
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lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
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lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
and the initial implementation of incremental propagation, including the following new or changed files:

```
include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/prop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c
```

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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
- 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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2006-Jan-27

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src/base/fhash.c
src/base/md5.c
src/base/md5.h
#
src/bdf/bdf.c
src/bdf/bdf.h
src/bdf/bdfdrivr.c
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src/pcf/module.mk
src/pcf/pcf.c
src/pcf/pcf.h
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src/gzip/infblock.c
src/gzip/infblock.h
src/gzip/infcodes.c
src/gzip/infcodes.h
src/gzip/inffixed.h
src/gzip/inflate.c
src/gzip/inftrees.c
src/gzip/inftrees.h
src/gzip/inftrees.h
src/gzip/inftrees.h
src/gzip/inftrees.h
src/gzip/zconf.h
src/gzip/zlib.h
src/gzip/zutil.c
src/gzip/zutil.h

#
src/tools/apinames.c
src/tools/frandom/frandom.c
#
# EOF
'fthash.c' and 'fthash.h'; their code was part of the BDF driver in earlier FreeType versions.

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### 1.381 cyrus-sasl 2.1.26-19.2.el7

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 * Tim Martin
 * Rob Earhart
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1.386 jackson 1.9.2

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1.388 okio 1.15.0

1.389 jersey-client 1.8

1.390 icu 50.1.2-15.el7

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#

## -*-makefile-*-
## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

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

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

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

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

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

## Shared object suffix
SO = so
## Non-shared intermediate object suffix
STATIC_O = ao

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

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

## Dependency rules
%.d: $(srcdir)/%.c
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.c) $< \\
| sed "s/\(\$\*\)\..o[ :]*A1.0 $@ : /g" > $@; \\
[ -s $@ ] || rm -f $@’

%.d: $(srcdir)/%.cpp
@echo "generating dependency information for $<"
@$(SHELL) -ec '$(GEN_DEPS.cc) $< \\
| sed "s/\(\$\*\)\..o[ :]*A1.0 $@ : /g" > $@; \\
[ -s $@ ] || rm -f $@’

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

## End FreeBSD-specific setup

1.391 musl 1.1.20-r6

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Authors/contributors include:

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Alex Dowad
Alexander Monakov
Andrew Kelley
Anthony G. Basile
Arvid Picciani
Bartosz Brachaczek
Bobby Bingham
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Brent Cook
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1.393 lua 5.1.5

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1.394 axiom-api 1.2.13

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* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-jar/org/fusesource/hawtbuf/AsciiBuffer.java
* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-jar/org/fusesource/hawtbuf/codec/ObjectCodec.java
* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-jar/org/fusesource/hawtbuf/Buffer.java
* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-jar/org/fusesource/hawtbuf/BufferEditor.java
* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-jar/org/fusesource/hawtbuf/codec/LongCodec.java
* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-jar/org/fusesource/hawtbuf/DataByteArrayOutputStream.java
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* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-jar/org/fusesource/hawtbuf/UTF8Buffer.java
* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-jar/org/fusesource/hawtbuf/codec/VarSignedLongCodec.java
* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-jar/org/fusesource/hawtbuf/DataByteArrayOutputStream.java
* /opt/cola/permits/1000773954_1646171575.37/0/hawtbuf-1-11-sources-jar/org/fusesource/hawtbuf/BufferInputStream.java
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* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-jar/org/apache/velocity/SpringSourceException.java
* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-jar/org/apache/velocity/runtime/resource/loader/StringResourceLoader.java
* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-jar/org/apache/velocity/runtime/resource/ResourceManagerImpl.java
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* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-jar/org/apache/velocity/runtime/resource/util/StringResourceRepositoryImpl.java
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* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0-jar/org/apache/velocity/exception/MethodInvocationException.java
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*/
/**
* Stores the event handlers. Event handlers can be assigned on a per
* VelocityEngine instance basis by specifying the class names in the
* velocity.properties file. Event handlers may also be assigned on a per-page
* basis by creating a new instance of EventCartridge, adding the event
* handlers, and then calling attachToContext. For clarity, it's recommended
* that one approach or the other be followed, as the second method is primarily
* presented for backwards compatibility.
*
* <P>
* Note that Event Handlers follow a filter pattern, with multiple event
* handlers allowed for each event. When the appropriate event occurs, all the
* appropriate event handlers are called in the sequence they were added to the
* Event Cartridge. See the javadocs of the specific event handler interfaces
* for more details.
*
* @author <a href="mailto:wglass@wglass@forio.com">Will Glass-Husain</a>
* @author <a href="mailto:geirm@optonline.net">Geir Magnusson Jr.</a>
* @author <a href="mailto:j_a_fernandez@yahoo.com">Jose Alberto Fernandez</a>
* @version $Id: EventCartridge.java 470256 2006-11-02 07:20:36Z wglass $
*/

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* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1.5-0-jar/org/apache/velocity/runtime/resource/ResourceCacheImpl.java
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* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1.5-0-jar/org/apache/velocity/runtime/parser/node/ASTSubtractNode.java
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* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1.5-0-jar/org/apache/velocity/app/util/IntrospectionJava.java
jar/org/apache/velocity/util/introspection/IntrospectorCacheListener.java
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*/

/*
* NOTE : please see documentation at bottom of this file. (It was placed there its tiring
* to always have to page past it... :)
*/

options
{

/**
* The parser must be non-static in order for the
* above option to work, otherwise the parser value
* is passed in as null, which isn't all the useful ;)
*/
STATIC=false;

/**
* Declare that we are accepting unicode input and
* that we are using a custom character stream class
* Note that the char stream class is really a slightly
* modified ASCII_CharStream, as it appears we are safe
* because we only deal with pre-encoding-converted
* Readers rather than raw input streams.
* /
UNICODE_INPUT=true;
USER_CHAR_STREAM=true;

/**
 * for debugging purposes. Keep false
 * /
DEBUG_PARSER=false;
DEBUG_TOKEN_MANAGER=false;
}

PARSER_BEGIN(Parser)
package org.apache.velocity.runtime.parser;

import java.io.*;
import java.util.*;

import org.apache.velocity.runtime.RuntimeServices;
import org.apache.velocity.runtime.parser.node.*;
import org.apache.velocity.runtime.directive.Directive;
import org.apache.velocity.runtime.directive.Macro;
import org.apache.velocity.runtime.directive.MacroParseException;
import org.apache.velocity.util.StringUtils;

/**<*
 * This class is responsible for parsing a Velocity
 * template. This class was generated by JavaCC using
 * the JJTree extension to produce an Abstract
 * Syntax Tree (AST) of the template.
 *
 * Please look at the Parser.jjt file which is
 * what controls the generation of this class.
 * 
 * @author <a href="mailto:jvanzyl@apache.org">Jason van Zyl</a>
 * @author <a href="mailto:geirm@optonline.net">Geir Magnusson Jr.</a>
 * @author <a href="hps@intermeta.de">Henning P. Schmiedehausen</a>
 * @version $Id: Parser.jj 463419 2006-10-12 20:39:49Z henning $
 */
public class Parser/*@bgen(jjtree)*/implements ParserTreeConstants/*@egen*/
{
/*@bgen(jjtree)*/
protected JJTParserState jjtree = new JJTParserState();

/*@egen*/
/**
 * This Hashtable contains a list of all of the dynamic directives.
public Parser( RuntimeServices rs) {
    /*
     * need to call the CTOR first thing.
     */
    this(   new VelocityCharStream(
            new ByteArrayInputStream("\n".getBytes()), 1, 1 ));

    /*
     * now setup a VCS for later use
     */
    velcharstream = new VelocityCharStream(
            new ByteArrayInputStream("\n".getBytes()), 1, 1 );

    /*
     * and save the RuntimeServices
     */
    rsvc = rs;
}

/**
 * This was also added to allow parsers to be
 * re-usable. Normal JavaCC use entails passing an
 * input stream to the constructor and the parsing
 * process is carried out once. We want to be able
 * to re-use parsers: we do this by adding this
 * method and re-initializing the lexer with
 * the new stream that we want parsed.
public SimpleNode parse( Reader reader, String templateName )
    throws ParseException
{
    SimpleNode sn = null;

    currentTemplateName = templateName;

    try
    {
        token_source.clearStateVars();

        /*
        *  reinitialize the VelocityCharStream
        *  with the new reader
        */
        velcharstream.ReInit( reader, 1, 1 );

        /*
        *  now reinit the Parser with this CharStream
        */
        ReInit( velcharstream );

        /*
        *  do that voodoo...
        */
        sn = process();
    }
    catch (MacroParseException mee)
    {
        /*
        *  thrown by the Macro class when something is amiss in the
        *  Macro specification
        */
        rsvc.getLog().error("Parser Error: #macro() : ", templateName, mee);
        throw mee;
    }
    catch (ParseException pe)
    {
        rsvc.getLog().error("Parser Exception: ", templateName, pe);
        throw new TemplateParseException (pe.currentToken,
            pe.expectedTokenSequences, pe.tokenImage, currentTemplateName);
    }
    catch (TokenMgrError tme)
    {
        throw new ParseException("Lexical error: ", tme.toString());
    }
    catch (Exception e)
/**
 * Produces a processed output for an escaped control or
 * pluggable directive
 */
private String escapedDirective( String strImage )
{
    int iLast = strImage.lastIndexOf("\\");

    String strDirective = strImage.substring(iLast + 1);

    boolean bRecognizedDirective = false;

    /*
* is this a PD or a control directive? */

if ( isDirective( strDirective.substring(1)))
{
    bRecognizedDirective = true;
}
else if ( rsvc.isVelocimacro( strDirective.substring(1), currentTemplateName))
{
    bRecognizedDirective = true;
}
else
{
    /* order for speed? */

    if ( strDirective.substring(1).equals("if")
         || strDirective.substring(1).equals("end")
         || strDirective.substring(1).equals("set")
         || strDirective.substring(1).equals("else")
         || strDirective.substring(1).equals("elseif")
         || strDirective.substring(1).equals("stop")
    )
    {
        bRecognizedDirective = true;
    }
}

/*
* if so, make the proper prefix string (let the escapes do their thing..)
* otherwise, just return what it is..
*/

if (bRecognizedDirective)
    return ( strImage.substring(0,iLast/2) + strDirective);
else
    return ( strImage );
}

PARSER_END(Parser)

TOKEN_MGR_DECLS:
{
    private int fileDepth = 0;

    private int lparen = 0;
    private int rparen = 0;
Stack stateStack = new Stack();
public boolean debugPrint = false;

private boolean inReference;
public boolean inDirective;
private boolean inComment;
public boolean inSet;

/**
 * pushes the current state onto the 'state stack',
 * and maintains the parens counts
 * public because we need it in PD & VM handling
 *
 * @return boolean : success. It can fail if the state machine
 * gets messed up (do don't mess it up :)
 */
public boolean stateStackPop()
{
    Hashtable h;

    try
    {
        h = (Hashtable) stateStack.pop();
    }
    catch( EmptyStackException e)
    {
        lparen=0;
        SwitchTo(DEFAULT);
        return false;
    }

    if( debugPrint )
    {
        System.out.println(
                        " stack pop (" + stateStack.size() + ") : lparen=" +
                        ( (Integer) h.get("lparen")).intValue() +
                        " newstate=" + ( (Integer) h.get("lexstate")).intValue() );

        lparen = ( (Integer) h.get("lparen")).intValue();
        rparen = ( (Integer) h.get("rparen")).intValue();
        SwitchTo( ( (Integer) h.get("lexstate")).intValue() );

        return true;
    }

    /**
     * pops a state off the stack, and restores paren counts
     */
public boolean stateStackPush()
{
    if( debugPrint )
        System.out.println(" (" + stateStack.size() + ") pushing cur state : " + curLexState );

    Hashtable h = new Hashtable();

    h.put("lexstate", new Integer( curLexState ) );
    h.put("lparen", new Integer( lparen ));
    h.put("rparen", new Integer( rparen ));

    lparen = 0;
    stateStack.push( h );

    return true;
}

/**
 * Clears all state variables, resets to
 * start values, clears stateStack. Call
 * before parsing.
 * @return void
 */
public void clearStateVars()
{
    stateStack.clear();

    lparen = 0;
    rparen = 0;
    inReference = false;
    inDirective = false;
    inComment = false;
    inSet = false;

    return;
}

/**
 * handles the dropdown logic when encountering a RPAREN
 */
private void RPARENHandler()
{
    /*
     * Ultimately, we want to drop down to the state below
* the one that has an open (if we hit bottom (DEFAULT),
* that's fine. It's just text schmoo.
*/

boolean closed = false;

if (inComment)
    closed = true;

while( !closed )
{
    /*
    * look at current state. If we haven't seen a lparen
    * in this state then we drop a state, because this
    * lparen clearly closes our state
    */

    if( lparen > 0)
    {
        /*
        * if rparen + 1 == lparen, then this state is closed.
        * Otherwise, increment and keep parsing
        */

        if( lparen == rparen + 1)
        {
            stateStackPop();
        }
        else
        {
            rparen++;
        }

        closed = true;
    }
    else
    {
        /*
        * now, drop a state
        */

        if(!stateStackPop())
            break;
    }
}
}
/* ------------------------------------------------------------------------
 *
 * Tokens
 *
 * Note: we now have another state, REFMODIFIER. This is sort of a
 * type of REFERENCE state, simply use to use the DIRECTIVE token
 * set when we are processing a $foo.bar() construct
 *
 * ------------------------------------------------------------------------ */

<TOKENTYPE,REFMOD2>
TOKEN:
{
  <LBRACKET: "["> 
  | <RBRACKET: "]"> 
  | <COMMA:,"> 
}

<TOKENTYPE,REFMOD2>
TOKEN:
{
  <DOUBLEDOT : ".."> 
}

<TOKENTYPE,REFMOD2>
TOKEN:
{
  <COLON : ":"> 
}

<TOKENTYPE,REFMOD2>
TOKEN:
{
  <LEFT_CURLEY : "{"> 
  | <RIGHT_CURLEY : "}"> 
}

<TOKENTYPE,REFMODIFIER>
TOKEN:
{
  <LPAREN: "(">
  |
    if (!inComment)
      lparen++;
*/

/*
 * If in REFERENCE and we have seen the dot, then move
 * to REFMOD2 -> Modifier()
*/
if (curLexState == REFMODIFIER )
    SwitchTo( REFMOD2 );

/*
* we never will see a ')' in anything but DIRECTIVE and REFMOD2.
* Each have their own
*/

/*----------------------------------------------
*  escape "\" handling for the built-in directives
*--------------------------------------------- */
TOKEN:
{
  /*
   * We have to do this, because we want these to be a Text node, and
   * whatever follows to be peer to this text in the tree.
   *
   * We need to touch the ASTs for these, because we want an even # of \s
   * to render properly in front of the block
   *
   * This is really simplistic. I actually would prefer to find them in
   * grammatical context, but I am neither smart nor rested, a receipe
   * for disaster, another long night with Mr. Parser, or both.
   */

  <ESCAPE_DIRECTIVE : (<DOUBLE_ESCAPE>)* "\#" <WORD> >
}

  /*
   * needed because #set is so wacky in it's desired behavior. We want set
   * to eat any preceeding whitespace so it is invisible in formatting.
   * (As it should be.) If this works well, I am going to chuck the whole MORE:
   * token abomination.
   */
  TOKEN:
  {
    <SET_DIRECTIVE: (" |\t")* ("#set" | "#{set}") (" ")* "(">
    {
      if (! inComment)
      {
        inDirective = true;

        if ( debugPrint )
          System.out.print("#set : going to " + DIRECTIVE );

        stateStackPush();
        inSet = true;
        SwitchTo(DIRECTIVE);
      }
    }

    /*
    * need the LPAREN action
    */

    if (!inComment)
    {
      lparen++;
/*
 * If in REFERENCE and we have seen the dot, then move
 * to REFMOD2 -> Modifier()
 */

if (curLexState == REFMODIFIER)
    SwitchTo(REFMOD2);
}
}
}

<*> MORE:
{
    /*
     * Note : DOLLARBANG is a duplicate of DOLLAR. They must be identical.
     */

    <DOLLAR: ("\")* "$">
    {
        if (! inComment)
        {
            /*
             * if we find ourselves in REFERENCE, we need to pop down
             * to end the previous ref
             */

            if (curLexState == REFERENCE)
            {
                inReference = false;
                stateStackPop();
            }

            inReference = true;

            if (debugPrint)
                System.out.print( "$ : going to " + REFERENCE );

            stateStackPush();
            SwitchTo(REFERENCE);
        }
    }
}

| <DOLLARBANG: ("\")* "$" ("\")* "!"> |
    {
        if (! inComment)
        {
            /*
             * 
             */

---
if (curLexState == REFERENCE)
{
    inReference = false;
    stateStackPop();
}

inReference = true;

if ( debugPrint )
    System.out.print( "$! : going to " + REFERENCE );

stateStackPush();
SwitchTo(REFERENCE);
}

<"#**" ~["#"]>
{
    input_stream.backup(1);
    inComment = true;
    stateStackPush();
    SwitchTo( IN_FORMAL_COMMENT);
}

"#*
{
    inComment=true;
    stateStackPush();
    SwitchTo( IN_MULTI_LINE_COMMENT );
}

<HASH : ">#" >
{
    if (! inComment)
    {
    /*
     * We can have the situation where #if($foo)$foo#end.
     * We need to transition out of REFERENCE before going to DIRECTIVE.
     * I don't really like this, but I can't think of a legal way
     * you are going into DIRECTIVE while in REFERENCE. -gmj
     */
    
    if (curLexState == REFERENCE || curLexState == REFMODIFIER )
inReference = false;
stateStackPop();
}

inDirective = true;

if (debugPrint)
    System.out.print("# : going to " + DIRECTIVE);

stateStackPush();
SwitchTo(PRE_DIRECTIVE);
}
}
}

// treat the single line comment case separately
// to avoid ##<EOF> errors
</*>

TOKEN :
{
    <SINGLE_LINE_COMMENT_START: "##">
    {
        if (!inComment)
        {
            if (curLexState == REFERENCE)
                {
                    inReference = false;
                    stateStackPop();
                }

            inComment = true;
            stateStackPush();
            SwitchTo(IN_SINGLE_LINE_COMMENT);
        }
    }
}

TOKEN :
{
    <DOUBLE_ESCAPE : "\\">
    | <ESCAPE: \\"> 
    | <TEXT: (~["$", ",", ",\"])+ >
}

/* -----------------------------------------------------------------------
*   *_COMMENT Lexical tokens
/* ................................................................................. */

<IN_SINGLE_LINE_COMMENT>
TOKEN:
{
  <SINGLE_LINE_COMMENT: "\n" | "\r" | "\r\n">
    inComment = false;
    stateStackPop();
  
  
}


<IN_FORMAL_COMMENT>
TOKEN:
{
  <FORMAL_COMMENT: "##" >
    inComment = false;
    stateStackPop();
  
}

<IN_MULTI_LINE_COMMENT>
TOKEN:
{
  <MULTI_LINE_COMMENT: "##" >
    inComment = false;
    stateStackPop();
  
}

<IN_SINGLE_LINE_COMMENT, IN_FORMAL_COMMENT, IN_MULTI_LINE_COMMENT>
SKIP:
{
  < ~[#] >
}


/* ................................................................................. */

*   DIRECTIVE Lexical State (some of it, anyway)
*   ................................................................................. */

<DIRECTIVE, REFMOD2>
TOKEN:
{
if( curLexState == DIRECTIVE && !inSet && lparen == 0)
    stateStackPop();
}

<REFERENCE,DIRECTIVE,REFMODIFIER,REFMOD2>
TOKEN:
{
    <TRUE: "true">
    |
    <FALSE: "false">
}
<DIRECTIVE>
TOKEN :
{
  <NEWLINE: "\n" | "\r" | "\r\n" >
  {
    if ( debugPrint )
      System.out.println(" NEWLINE :");

    stateStackPop();

    if (inSet)
      inSet = false;

    if (inDirective)
      inDirective = false;
  }
}

<DIRECTIVE>
TOKEN :
{
  <MINUS: "-">
  | <PLUS: "+">
  | <MULTIPLY: "*">
  | <DIVIDE: "/">
  | <MODULUS: "%">
  | <LOGICAL_AND: "&&" | "and" >
  | <LOGICAL_OR: "||" | "or" >
  | <LOGICAL_LT: "<<" | "lt" >
  | <LOGICAL_LE: "<=" | "le" >
  | <LOGICAL_GT: ">>" | "gt" >
  | <LOGICAL_GE: ">=" | "ge" >
  | <LOGICAL_EQUALS: "==" | "eq" >
  | <LOGICAL_NOT_EQUALS: "!=" | "ne" >
  | <LOGICAL_NOT: "!" | "not" >
  | <EQUALS: "=" >
}

<pre_directive>
TOKEN :
{
  <END: ( "end" ( ( " " | "\t" )* ( "\n" | "\r" | "\r\n" ) )? )
    | ( "{end}" ( ( " " | "\t" )* ( "\n" | "\r" | "\r\n" ) )? )
  }

  inDirective = false;

  stateStackPop();
}
<IF_DIRECTIVE: "if" | "{if}">
{
    SwitchTo(DIRECTIVE);
}
</IF_DIRECTIVE,DIRECTIVE,REFMOD2>

<ELSEIF_DIRECTIVE: "elseif" | "{elseif}">
{
    SwitchTo(DIRECTIVE);
}
</ELSEIF_DIRECTIVE,DIRECTIVE,REFMOD2>

<ELSE_DIRECTIVE:
    ( "else" ( ( " " | \t )* ( \n | \r | \r
 )? )
    | ( "[else]" ( ( " " | \t )* ( \n | \r | \r
 )? ) ) >
{
    inDirective = false;
    stateStackPop();
}
</ELSE_DIRECTIVE,DIRECTIVE,REFMOD2>

<STOP_DIRECTIVE: "stop" | "{stop}">
{
    inDirective = false;
    stateStackPop();
}
</STOP_DIRECTIVE,DIRECTIVE,REFMOD2>

<TOKEN:
{
    <#DIGIT: [ "0"-"9" ] >
    /*
     * treat FLOATING_POINT_LITERAL and INTEGER_LITERAL differently as a range can only handle integers.
     */
    /**
     * Note -- we also define an integer as ending with a double period,
     * in order to avoid 1..3 being defined as floating point (1.) then a period, then a integer
     */
    <INTEGER_LITERAL: ("-" )? (<DIGIT>)* (".." )? >
    {
        /*
         * Remove the double period if it is there
         */
        if (matchedToken.image.endsWith("..")) {
            input_stream.backup(2);
            matchedToken.image = matchedToken.image.substring(0,matchedToken.image.length()-2);
        }
    }
</TOKEN,DIRECTIVE,REFMOD2>
if ( lparen == 0 && !inSet && curLexState != REFMOD2) {
    stateStackPop();
}

if ( lparen == 0 && !inSet && curLexState != REFMOD2) {
    stateStackPop();
}
/* -----------------------------------------------------------------------
* REFERENCE Lexical States
* This is more than a single state, because of the structure of
* the VTL references. We use three states because the set of tokens
* for each state can be different.
* $foo.bar("arg")
* ^   ^   ^
* |   |   |
* ----------- > REFERENCE : state initiated by the '$' character. Continues
* |   |   | until end of the reference, or the . character.
* |------ > REFMODIFIER : state switched to when the <DOT> is encountered.
* |       note that this is a switch, not a push. See notes at bottom
* |-- > REFMOD2 : state switch to when the LPAREN is encountered.
*          again, this is a switch, not a push.
* *----------------------------------------------- */

<REFERENCE,REFMODIFIER,REFMOD2>
TOKEN :
{
  <#ALPHA_CHAR: ["a"-"z", "A"-"Z"] >
|  <#ALPHANUM_CHAR: ["a"-"z", "A"-"Z", "0"-"9"] >
|  <#IDENTIFIER_CHAR: ["a"-"z", "A"-"Z", "0"-"9", ",", "," ] >
|  <DOT: "." <ALPHA_CHAR>>
{
  /*
  * push the alpha char back into the stream so the following identifier
  * is complete
  */
  input_stream.backup(1);

  /*
  * and munge the <DOT> so we just get a . when we have normal text that
  * looks like a ref.ident
  */
  matchedToken.image = ".";

  if ( debugPrint )
    System.out.print("DOT : switching to "+REFMODIFIER);
  SwitchTo(REFMODIFIER);
<REFERENCE,REFMODIFIER>
TOKEN :
{
   <LCURLY: ">
   <RCURLY: "}">
   {stateStackPop();
   }
}

<REFERENCE,REFMODIFIER,REFMOD2>
SPECIAL_TOKEN :
{
   <REFERENCE TERMINATOR: ~[] >
   {
      /*
      * push every terminator character back into the stream
      */
      input_stream.backup(1);
      inReference = false;
      if ( debugPrint )
      {
         System.out.print("REF_TERM: ");
         stateStackPop();
      }
   }
}

<PRE_DIRECTIVE>
SPECIAL_TOKEN :
{
   <DIRECTIVE TERMINATOR: ~[] >
   {
      if ( debugPrint )
      {
         System.out.print("DIRECTIVE_TERM: ");
      }
      input_stream.backup(1);
      inDirective = false;
      stateStackPop();
   }
}

/**
 * This method is what starts the whole parsing
 * process. After the parsing is complete and
 * the template has been turned into an AST,
 * this method returns the root of AST which
 * can subsequently be traversed by a visitor
 * which implements the ParserVisitor interface
 * which is generated automatically by JavaCC
 */
SimpleNode process() : {/*@bgen(jjtree) process */
ASTprocess jjtn000 = new ASTprocess(this, JJTPROCESS);
boolean jjtc000 = true;
jtree.openConnectionScope(jjtn000);
/*@egen*/
{/*@bgen(jjtree) process */
try {
/*@egen*/
( Statement() )* <EOF>/*@bgen(jjtree)>*/
{
jjtree.closeNodeScope(jjtn000, true);
jjtc000 = false;
}
/*@egen*/
{ return jjtn000; }/*@bgen(jjtree)>*/
} catch (Throwable jjte000) {
if (jjtc000) {
jjtree.clearNodeScope(jjtn000);
jjtc000 = false;
} else {
jjtree.popNode();
}
if (jjte000 instanceof RuntimeException) {
throw (RuntimeException)jjte000;
}
if (jjte000 instanceof ParseException) {
throw (ParseException)jjte000;
}
throw (Error)jjte000;
} finally {
if (jjtc000) {
jjtree.openConnectionScope(jjtn000, true);
}
}
/*@egen*/
}
These are the types of statements that are acceptable in Velocity templates.

```java
/**
 * These are the types of statements that are acceptable in Velocity templates.
 */

void Statement() : { }
{
    IfStatement()
    | StopStatement()
    | LOOKAHEAD(2) Reference()
    | Comment()
    | SetDirective()
    | EscapedDirective()
    | Escape()
    | Directive()
    | Text()
}

/**
 * used to separate the notion of a valid directive that has been escaped, versus something that looks like a directive and is just schmoo. This is important to do as a separate production that creates a node, because we want this, in either case, to stop the further parsing of the Directive tree.
 */

    ASTEscapedDirective jjtn000 = new ASTEscapedDirective(this, JJTESCAPEDDIRECTIVE);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
   /*@egen*/
    {{/*@bgen(jjtree)*/
        try {
            t = <ESCAPE_DIRECTIVE>/*@bgen(jjtree)*/
            jjtree.closeNodeScope(jjtn000, true);
            jjtc000 = false;
        }/*@bgen(jjtree)*/
    } finally {
        t = <ESCAPE_DIRECTIVE>/*@bgen(jjtree)*/
        jjtree.closeNodeScope(jjtn000, true);
        jjtc000 = false;
    }/*@bgen(jjtree)*/
    {/*@bgen(jjtree)*/
    } finally {
        t = <ESCAPE_DIRECTIVE>/*@bgen(jjtree)*/
        jjtree.closeNodeScope(jjtn000, true);
        jjtc000 = false;
    }/*@bgen(jjtree)*/
    {
        /* churn and burn..
        */
        t.image = escapedDirective( t.image );
    }/*@bgen(jjtree)*/
} finally {
}
if (jjtc000) {
    jjtree.closeNodeScope(jjtn000, true);
}
/*@egen*/
}

/**
 * Used to catch and process escape sequences in grammatical constructs
 * as escapes outside of VTL are just characters. Right now we have both
 * this and the EscapeDirective() construction because in the EscapeDirective()
 * case, we want to suck in the #<directive> and here we don't. We just want
 * the escapes to render correctly
 */
void Escape() : /*@bgen(jjtree) Escape */
    ASTEscape jjtn000 = new ASTEscape(this, JJTESCAPE);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
   /*@egen*/
}/*@bgen(jjtree) Escape */
    try {
       /*@egen*/
        {
            Token t = null;
            int count = 0;
            boolean control = false;
        }
    
    ( LOOKAHEAD(2) t = <DOUBLE_ESCAPE>
    {
        count++;
    }
)+/*@bgen(jjtree)*/
    {
        jjtree.closeNodeScope(jjtn000, true);
        jjtc000 = false;
    }
   /*@egen*/
    {
        /*
        * first, check to see if we have a control directive
        *
        */
        switch(t.next.kind ) {
            case IF_DIRECTIVE :
            case ELSE_DIRECTIVE :
            case ELSEIF DIRECTIVE :
            case END :
            case STOP_DIRECTIVE :


control = true;
break;
}

/*
 * if that failed, lets lookahead to see if we matched a PD or a VM
*/

if( isDirective( t.next.image.substring(1)))
control = true;
else if( rsvc.isVelocimacro( t.next.image.substring(1), currentTemplateName))
control = true;

jjtn000.val = "";

for( int i = 0; i < count; i++)
jjtn000.val += ( control ? "\\" : "\\\");
}/*@bgen(jjtree)*/
} finally {
if (jjtc000) {
jjtree.closeNodeScope(jjtn000, true);
}
}/*@egen*/
}

void Comment() : {/*@bgen(jjtree) Comment */
ASTComment jjtn000 = new ASTComment(this, JJTCOMMENT);
boolean jjtc000 = true;
jjtree.openNodeScope(jjtn000);
}/*@egen*/

try {
/*@bgen(jjtree) Comment */
<SINGLE_LINE_COMMENT_START> ( <SINGLE_LINE_COMMENT> ) ?
| <MULTI_LINE_COMMENT>
| <FORMAL_COMMENT>/*@bgen(jjtree)*/
} finally {
if (jjtc000) {
jjtree.closeNodeScope(jjtn000, true);
}
}/*@egen*/

void FloatingPointLiteral() : {/*@bgen(jjtree) FloatingPointLiteral */
ASTFloatingPointLiteral jjtn000 = new ASTFloatingPointLiteral(this, JJTFLOATINGPOINTLITERAL);
boolean jjtc000 = true;
jjtreetrace.openNodeScope(jjtnt000);
/*@egen*/
{/*@bgen(jjtree) FloatingPointLiteral */
 try {
/*@egen*/
<FLOATING_POINT_LITERAL>/*@bgen(jjtree)>*/@bgen(jjtree)*/
 } finally {
 if (jjtc000) {
  jjtreetrace.closeNodeScope(jjtnt000, true);
 }
 }
/*@egen*/
}

void IntegerLiteral() : {/*@bgen(jjtree) IntegerLiteral */
 ASTIntegerLiteral jjtn000 = new ASTIntegerLiteral(this, JJTINTEGERLITERAL);
 boolean jjtc000 = true;
jjtreetrace.openNodeScope(jjtnt000);
/*@egen*/
{/*@bgen(jjtree) IntegerLiteral */
 try {
/*@egen*/
<INTEGER_LITERAL>/*@bgen(jjtree)>*/@bgen(jjtree)*/
 } finally {
 if (jjtc000) {
  jjtreetrace.closeNodeScope(jjtnt000, true);
 }
 }
/*@egen*/
}

void StringLiteral() : {/*@bgen(jjtree) StringLiteral */
 ASTStringLiteral jjtn000 = new ASTStringLiteral(this, JJTSTRINGLITERAL);
 boolean jjtc000 = true;
jjtreetrace.openNodeScope(jjtnt000);
/*@egen*/
{/*@bgen(jjtree) StringLiteral */
 try {
/*@egen*/
<STRING_LITERAL>/*@bgen(jjtree)>*/@bgen(jjtree)*/
 } finally {
 if (jjtc000) {
  jjtreetrace.closeNodeScope(jjtnt000, true);
 }
 }
/*@egen*/
}
void Identifier() :
    /*@bgen(jjtree) Identifier */
    ASTIdentifier jjtn000 = new ASTIdentifier(this, JJTIDENTIFIER);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
   /*@egen*/
    try {
       /*@egen*/
        <IDENTIFIER>/*@bgen(jjtree)*/
        } finally {
            if (jjtc000) {
                jjtree.closeNodeScope(jjtn000, true);
            }
        }
    /*@eegen*/
    }

void Word() :
    /*@bgen(jjtree) Word */
    ASTWord jjtn000 = new ASTWord(this, JJTWORD);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
   /*@egen*/
    try {
       /*@egen*/
        <WORD>/*@bgen(jjtree)*/
        } finally {
            if (jjtc000) {
                jjtree.closeNodeScope(jjtn000, true);
            }
        }
    /*@eegen*/
    }

/**
* Supports the arguments for the Pluggable Directives
*/
int DirectiveArg() : {}
{
  Reference()
  {
    return ParserTreeConstants.JTREFERENCE;
  }
  Word()
  {
    return ParserTreeConstants.JTWORD;
  }
  StringLiteral()
  {
    return ParserTreeConstants.JTSTRINGLITERAL;
  }

  IntegerLiteral()
  {
    return ParserTreeConstants.JTINTEGERLITERAL;
  }
  /*
  * Need to put this before the floating point expansion
  */
  | LOOKAHEAD( <LBRACKET> [<WHITESPACE>] ( Reference() | IntegerLiteral()) [<WHITESPACE>]
  <DOUBLEDOT> ) IntegerRange()
  {
    return ParserTreeConstants.JTINTEGERRANGE;
  }
  FloatingPointLiteral()
  {
    return ParserTreeConstants.JTFLOATINGPOINTLITERAL;
  }
  Map()
  {
    return ParserTreeConstants.JTMAP;
  }
  ObjectArray()
  {
    return ParserTreeConstants.JTOBJECTARRAY;
  }
  True()
  {
    return ParserTreeConstants.JTTRUE;
  }
  False()
  {
    return ParserTreeConstants.JTFALSE;
  }
}
SimpleNode Directive() :
{/*@bgen(jjtree) Directive */
ASTDirective jjtn000 = new ASTDirective(this, JJTDIRECTIVE);
boolean jjtc000 = true;
jjtree.openNodeScope(jjtn000);
/*@egen*/
Token t = null;
int argType;
int argPos = 0;
Directive d;
int directiveType;
boolean isVM = false;
boolean doItNow = false;
}
{/*@bgen(jjtree) Directive */
try {
/*@egen*/
/**
 * note that if we were escaped, that is now handled by
 * EscapedDirective()
 */

((t = <WORD>) | (t = <BRACKETED_WORD>))
{
    String directiveName;
    if (t.kind == ParserConstants.BRACKETED_WORD)
    {
        directiveName = t.image.substring(2,t.image.length() - 1);
    }
    else
    {
        directiveName = t.image.substring(1);
    }

d = (Directive) directives.get(directiveName);

    /*
    * Velocimacro support : if the directive is macro directive
    * then set the flag so after the block parsing, we add the VM
    * right then. (So available if used w/in the current template )
    */
if (directiveName.equals("macro"))
{
    doItNow = true;
}

/*
 * set the directive name from here. No reason for the thing to know
 * about parser tokens
 */

jjtn000.setDirectiveName(directiveName);

if (d == null)
{
    /*
    *  if null, then not a real directive, but maybe a Velocimacro
    */

    isVM = rsvc.isVelocimacro(directiveName, currentTemplateName);

    if (!isVM)
    {
        token_source.stateStackPop();
        token_source.inDirective = false;
        return jjtn000;
    }

    /*
    *  Currently, all VMs are LINE directives
    */

    directiveType = Directive.LINE;
}
else
{
    directiveType = d.getType();
}

/*
 *  now, switch us out of PRE DIRECTIVE
 */

token_source.SwitchTo(DIRECTIVE);

    argPos = 0;
/*
 * if this is indeed a token, match the #foo ( arg ) pattern
 */

[<WHITESPACE>] <LPAREN> ( LOOKAHEAD(2) [<WHITESPACE>] [<COMMA>] [<WHITESPACE>])

argType = DirectiveArg()
{
  if (argType == ParserTreeConstants.JTWORD)
  {
    if (doItNow && argPos == 0)
    {
      /* if a VM and it's the 0th arg... ok */
      ;
    }
    else if (t.image.equals("#foreach") || t.image.equals("#{foreach}") && argPos == 1)
    {
      /* if a foreach and it's the 2nd arg ok */
      ;
    }
    else
    {
      throw new MacroParseException("Invalid arg ",
        + argPos + " in "
        + (isVM ? "VM " : "directive ")
        + t.image, currentTemplateName, t);
    }
  }
}
else
{
  if (doItNow && argPos == 0)
  {
    /* if a VM and it's the 0th arg, not ok */

    throw new MacroParseException("Invalid first arg"
      + " in #macro() directive - must be a"
      + " word token (no \ or " surrounding)", currentTemplateName, t);
  }
}

argPos++;
}

/* [<WHITESPACE>] <RPAREN>
if (directiveType == Directive.LINE)
{
    return jjtn000;
}
}/*@bgen(jtree) Block */
{
    ASTBlock jjtn001 = new ASTBlock(this, JJTBLOCK);
    boolean jjtc001 = true;
    jjtree.openNodeScope(jjtn001);
    try {
    }/*@egen*/
/*
 * and the following block if the PD needs it
 */
<END>/*@bgen(jtree)*/
} catch (Throwable jjte001) {
    if (jjtc001) {
        jjtree.clearNodeScope(jjtn001);
        jjtc001 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte001 instanceof RuntimeException) {
        throw (RuntimeException)jjte001;
    }
    if (jjte001 instanceof ParseException) {
        throw (ParseException)jjte001;
    }
    throw (Error)jjte001;
} finally {
    if (jjtc001) {
        jjtree.closeNodeScope(jjtn001, true);
    }
}
}/*@egen*/
<END>/*@bgen(jtree)*/
{
    jjtree.closeNodeScope(jjtn000, true);
    jjtc000 = false;
}
}/*@egen*/
{
    /*
    * VM : if we are processing a #macro directive, we need to
* process the block. In truth, I can just register the name
* and do the work later when init-ing. That would work
* as long as things were always defined before use. This way
* we don't have to worry about forward references and such...
*/

if (doItNow)
{
   Macro.processAndRegister(rsvc, t, jjtn000, currentTemplateName);
}

/**<*
* VM : end
*/

return jjtn000;
}/*@bgen(jjtree)*/
} catch (Throwable jjte000) {
    if (jjtc000) {
        jjtree.clearNodeScope(jjtn000);
        jjtc000 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte000 instanceof RuntimeException) {
        throw (RuntimeException)jjte000;
    }
    if (jjte000 instanceof ParseException) {
        throw (ParseException)jjte000;
    }
    throw (Error)jjte000;
} finally {
    if (jjtc000) {
        jjtree.closeNodeScope(jjtn000, true);
    }
}
/*@eigen*/

/**
* for creating a map in a #set
*
* #set($foo = {$foo : $bar, $blargh : $thingy})
*/
void Map() : {/*@bgen(jjtree) Map */
    ASTMap jjtn000 = new ASTMap(this, JJTMAP);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
try {
    Parameter() <COLON> Parameter() (<COMMA> Parameter() <COLON> Parameter() )* |
    [ <WHITESPACE> ]
} catch (Throwable jjte000) {
    if (jjtc000) {
        jjtree.clearNodeScope(jjtn000);
        jjtc000 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte000 instanceof RuntimeException) {
        throw (RuntimeException)jjte000;
    }
    if (jjte000 instanceof ParseException) {
        throw (ParseException)jjte000;
    }
    throw (Error)jjte000;
} finally {
    if (jjtc000) {
        jjtree.closeNodeScope(jjtn000, true);
    }
}

void ObjectArray() {
    ASTObjectArray jjtn000 = new ASTObjectArray(this, JJTOBJECTARRAY);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
}

try {
    [ Parameter() ( <COMMA> Parameter() )* ] <RBRACKET>/*@bgen(jjtree)*/
} catch (Throwable jjte000) {
    if (jjtc000) {
        jjtree.clearNodeScope(jjtn000);
        jjtc000 = false;
    } else {
        jjtree.popNode();
    }
}
```java
if (jjte000 instanceof RuntimeException) {
    throw (RuntimeException)jjte000;
}
if (jjte000 instanceof ParseException) {
    throw (ParseException)jjte000;
}
throw (Error)jjte000;
} finally {
    if (jjtc000) {
        jjtree.closeNodeScope(jjtn000, true);
    }
}
/*@egen*/
/**
 * supports the [n..m] vector generator for use in
 * the #foreach() to generate measured ranges w/o
 * needing explicit support from the app/servlet
 */
void IntegerRange() { /*@bgen(jjtree) IntegerRange */
    ASTIntegerRange jjtn000 = new ASTIntegerRange(this, JJTINTEGERRANGE);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
    @*/
    try {
    /@*/
    <LBRACKET> [<WHITESPACE>]
    ( Reference() | IntegerLiteral() )
    [<WHITESPACE>] <DOUBLEDOT> [<WHITESPACE>]
    (Reference() | IntegerLiteral() )
    [<WHITESPACE>] <RBRACKET>/*@bgen(jjtree)*/
    } catch (Throwable jjte000) { /*@bgen(jjtree)*/
        if (jjtc000) {
            jjtree.clearNodeScope(jjtn000);
            jjtc000 = false;
        } else {
            jjtree.popNode();
        }
        if (jjte000 instanceof RuntimeException) {
            throw (RuntimeException)jjte000;
        }
        if (jjte000 instanceof ParseException) {
            throw (ParseException)jjte000;
        }
    } finally {
        if (jjtc000) {
            jjtree.closeNodeScope(jjtn000, true);
        }
    }
    }/*@egen*/
```
```java
to (Error)jjte000;
} finally {
    if (jjtc000) {
        jjtree.closeNodeScope(jjtn000, true);
    }
}
/*@egen*/
/**
 * This method has yet to be fully implemented
 * but will allow arbitrarily nested method
 * calls
 */
void Parameter() : {} {
    [<WHITESPACE>]
    ( StringLiteral()
        | IntegerLiteral()
        | LOOKAHEAD(<LBRACKET> [<WHITESPACE>] ( Reference() | IntegerLiteral() ) [<WHITESPACE>] <DOUBLEDOT> ) IntegerRange()
        | Map()
        | ObjectArray()
        | True()
        | False()
        | Reference()
        | FloatingPointLiteral()
    ) [
            <WHITESPACE>]
}

/*@egen*/
/**
 * This method has yet to be fully implemented
 * but will allow arbitrarily nested method
 * calls
 */
void Method() : /*@bgen(jjtree) Method */
ASTMethod jjtn000 = new ASTMethod(this, JJTMETHOD);
boolean jjtc000 = true;
jjtree.openNodeScope(jjtn000);
/*@egen*/
} /*@bgen(jjtree) Method */
try {
    Identifier() <LPAREN> [ Parameter() ( <COMMA> Parameter() )* ] <REFMOD2_RPAREN> /*@bgen(jjtree)*/
} catch (Throwable jjte000) {
}
```
if (jjtc000) {
    jjtree.clearNodeScope(jjtn000);
    jjtc000 = false;
} else {
    jjtree.popNode();
}
if (jjte000 instanceof RuntimeException) {
    throw (RuntimeException)jjte000;
}
if (jjte000 instanceof ParseException) {
    throw (ParseException)jjte000;
}
throw (Error)jjte000;
} finally {
    if (jjtc000) {
        jjtree.closeNodeScope(jjtn000, true);
    }
}
/*@egen*/

void Reference() : {/*@bgen(jjtree) Reference */
    ASTReference jjtn000 = new ASTReference(this, JJTREFERENCE);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
   /*@egen*/
} {/*@bgen(jjtree) Reference */
    try {
       /*@egen*/
        /**************************************************************************/
        /*  A reference is either ${<FOO>} or $<FOO>
        */

        ( <IDENTIFIER>
            (LOOKAHEAD(2) <DOT> (LOOKAHEAD(3) Method() | Identifer() ))*
        ) |
        ( <LCURLY>
            <IDENTIFIER>
            (LOOKAHEAD(2) <DOT> (LOOKAHEAD(3) Method() | Identifer() ))*
            <RCURLY>
        )/*@bgen(jjtree)*/
    } catch (Throwable jjte000) {
        if (jjtc000) {
            jjtree.clearNodeScope(jjtn000);
            jjtc000 = false;
        }
    }
    finally {
        if (jjtc000) {
            jjtree.closeNodeScope(jjtn000, true);
        }
    }
}/*@egen*/
if (jjtc000) {
    jjtree.openNodeScope(jjtn000);
    jjtree.addNodeScope(jjtn000, true);
}

if (jjte000 instanceof RuntimeException) {
    throw (RuntimeException)jjte000;
}

if (jjte000 instanceof ParseException) {
    throw (ParseException)jjte000;
}

throw (Error)jjte000;
}

/*@egen*/

}="/ast/true.js"

/**
 * A boolean constant.  Can only be true or false.  If the constant is used
 * to assign to a variable, it is replaced by the boolean constant "true"
 * or "false".
 *
 * @return the boolean constant "true"
 */

void True() : {/*@bgen(jjtree) True */
    ASTTrue jjtn000 = new ASTTrue(this, JJT_TRUE);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
    /*@egen*/
    }<TRUE>/*@bgen(jjtree)*/
    } finally {
        if (jjtc000) {
            jjtree.closeNodeScope(jjtn000, true);
        }
    }
    /*@egen*/
}

void False() : {/*@bgen(jjtree) False */
    ASTFalse jjtn000 = new ASTFalse(this, JJT_FALSE);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
    /*@egen*/
    }<FALSE>/*@bgen(jjtree)*/
    } finally {
        if (jjtc000) {
            jjtree.closeNodeScope(jjtn000, true);
        }
    }
    /*@egen*/
}
```java
/* This method is responsible for allowing
* all non-grammar text to pass through
*/
void Text() : {/*@bgen(jjtree) Text */
ASTText jjtn000 = new ASTText(this, JJTTEXT);
boolean jjtc000 = true;
njtree.openNodeScope(jjtn000);
/*@egen*/
}/*@bgen(jjtree) Text */
try {
/*@bgen(jjtree) Text */
|<TEXT>
|<DOT>
|<RPAREN>
|<LPAREN>
|<INTEGER_LITERAL>
|<FLOATING_POINT_LITERAL>
|<STRING_LITERAL>
|<ESCAPE>
|<LCURLY>
|<RCURLY>/*@bgen(jjtree)*/
} finally {
if (jjtc000) {
    jjtree.closeNodeScope(jjtn000, true);
}
}@bgen(jjtree)*/
}
}/*@bgen(jjtree)*/

/* -----------------------------------------------------------------------
* Defined Directive Syntax
*------------------------------------------------------------------------*/

void IfStatement() : {/*@bgen(jjtree) IfStatement */
ASTIfStatement jjtn000 = new ASTIfStatement(this, JJTIFSTATEMENT);
boolean jjtc000 = true;
njtree.openNodeScope(jjtn000);
/*@egen*/
}/*@bgen(jjtree) IfStatement */
try {
```
/*@egen*/
<IF_DIRECTIVE> [<WHITESPACE>] <LPAREN> Expression() <RPAREN>/*@bgen(jjtree) Block */
{
  ASTBlock jjtn001 = new ASTBlock(this, JJTBLOCK);
  boolean jjtc001 = true;
  jjtree.openNodeScope(jjtn001);
}
try {
/*@egen*/
( Statement() )/*@bgen(jjtree)*/
} catch (Throwable jjte001) {
  if (jjtc001) {
    jjtree.clearNodeScope(jjtn001);
    jjtc001 = false;
  } else {
    jjtree.popNode();
  }
  if (jjte001 instanceof RuntimeException) {
    throw (RuntimeException)jjte001;
  }
  if (jjte001 instanceof ParseException) {
    throw (ParseException)jjte001;
  }
  throw (Error)jjte001;
} finally {
  if (jjtc001) {
    jjtree.closeNodeScope(jjtn001, true);
  }
}
/*@egen*/
[ LOOKAHEAD(1) ( ElseIfStatement() )+ ]
[ LOOKAHEAD(1) ElseStatement() ]
<END>/*@bgen(jjtree)*/
} catch (Throwable jjte000) {
  if (jjtc000) {
    jjtree.clearNodeScope(jjtn000);
    jjtc000 = false;
  } else {
    jjtree.popNode();
  }
  if (jjte000 instanceof RuntimeException) {
    throw (RuntimeException)jjte000;
  }
  if (jjte000 instanceof ParseException) {
    throw (ParseException)jjte000;
  }
  throw (Error)jjte000;
} finally {

if (jjtc000) {
    jjtree.closeNodeScope(jjtn000, true);
}
/*@eigen*/
}

void ElseStatement() { /*@bgen(jjtree) ElseStatement */
    ASTElseStatement jjtn000 = new ASTElseStatement(this, JJTELSESTATEMENT);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
    /*@eigen*/
} /*@bgen(jjtree) ElseStatement */
try {
    /*@bgen(jjtree) Block */
    {
        ASTBlock jjtn001 = new ASTBlock(this, JJTBLOCK);
        boolean jjtc001 = true;
        jjtree.openNodeScope(jjtn001);
    }
    try {
        (<ELSE_DIRECTIVE>/*@bgen(jjtree) Block */
        {
            ASTBlock jjtn001 = new ASTBlock(this, JJTBLOCK);
            boolean jjtc001 = true;
            jjtree.openNodeScope(jjtn001);
        }
        catch (Throwable jjte001) {
            if (jjtc001) {
                jjtree.clearNodeScope(jjtn001);
                jjtc001 = false;
            } else {
                jjtree.popNode();
            }
            if (jjte001 instanceof RuntimeException) {
                throw (RuntimeException)jjte001;
            }
            if (jjte001 instanceof ParseException) {
                throw (ParseException)jjte001;
            }
            throw (Error)jjte001;
        }
        finally {
            if (jjtc001) {
                jjtree.closeNodeScope(jjtn001, true);
            }
        }
    } /*@bgen(jjtree) Block */
    catch (Throwable jjte000) {
        if (jjtc000) {
            jjtree.clearNodeScope(jjtn000);
            jjtc000 = false;
        }
    }
} /*@eigen*//*@bgen(jjtree)*/
} else {
    jjtree.popNode();
}
if (jjte000 instanceof RuntimeException) {
    throw (RuntimeException)jjte000;
}
if (jjte000 instanceof ParseException) {
    throw (ParseException)jjte000;
}
throw (Error)jjte000;
} finally {
    if (jjtc000) {
        jjtree.closeNodeScope(jjtn000, true);
    }
}
/*@eugen*/

void ElseIfStatement() : {/*@bgen(jjtree) ElseIfStatement */
    ASTElseIfStatement jjtn000 = new ASTElseIfStatement(this, JJTELSEIFSTATEMENT);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
   /*@eugen*/
} {/*@bgen(jjtree) ElseIfStatement */
    try {
       /*@eugen*/
        <ELSEIF_DIRECTIVE> [<WHITESPACE>]
        <LPAREN> Expression() <RPAREN>/*@bgen(jjtree) Block */
    
        ASTBlock jjtn001 = new ASTBlock(this, JJTBLOCK);
        boolean jjtc001 = true;
        jjtree.openNodeScope(jjtn001);
    }
    try {
        ( Statement() )/*@bgen(jjtree)*/
    } catch (Throwable jjte001) {
        if (jjtc001) {
            jjtree.clearNodeScope(jjtn001);
            jjtc001 = false;
        } else {
            jjtree.popNode();
        }
    }
    if (jjte001 instanceof RuntimeException) {
        throw (RuntimeException)jjte001;
    }
    if (jjte001 instanceof ParseException) {
        throw (ParseException)jjte001;
throw (Error)jjte001;
} finally {
    if (jjtc001) {
        jjtree.closeNodeScope(jjtn001, true);
    }
}

/*@egen*/
/*@bgen(jjtree)*/
} catch (Throwable jjte000) {
    if (jjtc000) {
        jjtree.clearNodeScope(jjtn000);
        jjtc000 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte000 instanceof RuntimeException) {
        throw (RuntimeException)jjte000;
    }
    if (jjte000 instanceof ParseException) {
        throw (ParseException)jjte000;
    }
    throw (Error)jjte000;
} finally {
    if (jjtc000) {
        jjtree.closeNodeScope(jjtn000, true);
    }
}

/*@egen*/

/**
 * Currently support both types of set :
 *   #set( expr )
 *   #set expr
 */
void SetDirective() : {/*@bgen(jjtree) SetDirective */
    ASTSetDirective jjtn000 = new ASTSetDirective(this, JJTSETDIRECTIVE);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
    /*@egen*/
} /*@bgen(jjtree) SetDirective */
try {
    /*@egen*/
<SET_DIRECTIVE>(([<WHITESPACE>] Reference() [<WHITESPACE>] <EQUALS> Expression()<RPAREN>
{
    /*
     * ensure that inSet is false. Leads to some amusing bugs...
    */
token_source.inSet = false;
}

catch (Throwable jjte000) {
  if (jjtc000) {
    jjtree.clearNodeScope(jjtn000);
    jjtc000 = false;
  } else {
    jjtree.popNode();
  }
  if (jjte000 instanceof RuntimeException) {
    throw (RuntimeException)jjte000;
  }
  if (jjte000 instanceof ParseException) {
    throw (ParseException)jjte000;
  }
  throw (Error)jjte000;
} finally {
  if (jjtc000) {
    jjtree.closeNodeScope(jjtn000, true);
  }
}

/**
 * This method corresponds to the #stop
 * directive which just simulates and EOF
 * so that parsing stops. The #stop directive
 * is useful for end-user debugging
 * purposes.
 */
void StopStatement() {
  ASTStop jjtn000 = new ASTStop(this, JJTSTOP);
  boolean jjtc000 = true;
  jjtree.openNodeScope(jjtn000);
  /*@eugen*/
  /*@eugen*/
  <STOP_DIRECTIVE>/*@eugen*/
}
void Expression() : {/*@bgen(jjtree) Expression */
    ASTExpression jjtn000 = new ASTExpression(this, JJTEXPRESSION);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
    {/*@egen*/}
    try {
    {/*@egen*/
    //    LOOKAHEAD( PrimaryExpression() <EQUALS>  ) Assignment()
    //}
    ConditionalOrExpression()/*@bgen(jjtree)*/
    } catch (Throwable jjte000) {
    if (jjtc000) {
        jjtree.clearNodeScope(jjtn000);
        jjtc000 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte000 instanceof RuntimeException) {
        throw (RuntimeException)jjte000;
    }
    if (jjte000 instanceof ParseException) {
        throw (ParseException)jjte000;
    }
    throw (Error)jjte000;
    } finally {
    if (jjtc000) {
        jjtree.closeNodeScope(jjtn000, true);
    }
    }
    {/*@egen*/
    }
    }

void Assignment() : {/*@bgen(jjtree) #Assignment( 2) */
    ASTAssignment jjtn000 = new ASTAssignment(this, JJTASSIGNMENT);
    boolean jjtc000 = true;
    jjtree.openNodeScope(jjtn000);
    {/*@egen*/}
    {/*@bgen(jjtree) #Assignment( 2) */
    }
try {
  /*@egen*/
  PrimaryExpression() <EQUALS> Expression()/*@bgen(jjtree)*/
} catch (Throwable jjte000) {
  if (jjtc000) {
    jjtree.clearNodeScope(jjtn000);
    jjtc000 = false;
  } else {
    jjtree.popNode();
  }
  if (jjte000 instanceof RuntimeException) {
    throw (RuntimeException)jjte000;
  }
  if (jjte000 instanceof ParseException) {
    throw (ParseException)jjte000;
  }
  throw (Error)jjte000;
} finally {
  if (jjtc000) {
    jjtree.closeNodeScope(jjtn000, 2);
  }
}
/*@egen*/

void ConditionalOrExpression() : {}
{
  ConditionalAndExpression()
  ( <LOGICAL_OR>/*@bgen(jjtree) #OrNode(2) */
   
    ASTOrNode jjtn001 = new ASTOrNode(this, JJTORNODE);
    boolean jjtc001 = true;
    jjtree.openNodeScope(jjtn001);
    
    try {
      /*@egen*/ ConditionalAndExpression()/*@bgen(jjtree)*/
      ) catch (Throwable jjte001) {
        if (jjtc001) {
          jjtree.clearNodeScope(jjtn001);
          jjtc001 = false;
        } else {
          jjtree.popNode();
        }
        if (jjte001 instanceof RuntimeException) {
          throw (RuntimeException)jjte001;
        }
        if (jjte001 instanceof ParseException) {
          throw (ParseException)jjte001;
        }
throw (Error)jjte001;
} finally {
    if (jjtc001) {
        jjtree.closeNodeScope(jjtn001, 2);
    }
}

/*@egen*/ )*

void ConditionalAndExpression() : {}
{
    EqualityExpression()
    ( <LOGICAL_AND>/*@bgen(jjtree) #AndNode( 2) */
    {
        ASTAndNode jjtn001 = new ASTAndNode(this, JJTANDNODE);
        boolean jjtc001 = true;
        jjtree.openNodeScope(jjtn001);
    }
    try {
        EqualityExpression()/*@bgen(jjtree)*/
    } catch (Throwable jjte001) {
        if (jjtc001) {
            jjtree.clearNodeScope(jjtn001);
            jjtc001 = false;
        } else {
            jjtree.popNode();
        }
        if (jjte001 instanceof RuntimeException) {
            throw (RuntimeException)jjte001;
        }
        if (jjte001 instanceof ParseException) {
            throw (ParseException)jjte001;
        }
        throw (Error)jjte001;
    }
    finally {
        if (jjtc001) {
            jjtree.closeNodeScope(jjtn001, 2);
        }
    }

/*@egen*/ )*

void EqualityExpression() : {}
{
    RelationalExpression()
    (
<LOGICAL_EQUALS>/*@bgen(jjtree) #EQNode( 2) */
{
  ASTEQNode jjtn001 = new ASTEQNode(this, JJTEQNODE);
  boolean jjtc001 = true;
  jjtree.openNodeScope(jjtn001);
}
try {
/*@egen*/ RelationalExpression()/*@bgen(jjtree)*/
} catch (Throwable jjte001) {
  if (jjtc001) {
    jjtree.clearNodeScope(jjtn001);
    jjtc001 = false;
  } else {
    jjtree.popNode();
  }
  if (jjte001 instanceof RuntimeException) {
    throw (RuntimeException)jjte001;
  }
  if (jjte001 instanceof ParseException) {
    throw (ParseException)jjte001;
  }
  throw (Error)jjte001;
} finally {
  if (jjtc001) {
    jjtree.closeNodeScope(jjtn001,  2);
  }
}

/*@egen*/
| <LOGICAL_NOT_EQUALS>/*@bgen(jjtree) #NENode( 2) */
{
  ASTNENode jjtn002 = new ASTNENode(this, JJTNENODE);
  boolean jjtc002 = true;
  jjtree.openNodeScope(jjtn002);
}
try {
/*@egen*/ RelationalExpression()/*@bgen(jjtree)*/
} catch (Throwable jjte002) {
  if (jjtc002) {
    jjtree.clearNodeScope(jjtn002);
    jjtc002 = false;
  } else {
    jjtree.popNode();
  }
  if (jjte002 instanceof RuntimeException) {
    throw (RuntimeException)jjte002;
  }
  if (jjte002 instanceof ParseException) {
    throw (ParseException)jjte002;
  }
void RelationalExpression() : {} {
    AdditiveExpression()
    {
        <LOGICAL_LT>/*@bgen(jjtree) #LTNode(2) */
        {
            ASTLTNode jjtn001 = new ASTLTNode(this, JJTLTNODE);
            boolean jjtc001 = true;
            jjtree.openNodeScope(jjtn001);
            try {
                AdditiveExpression()/*@bgen(jjtree)*/
                catch (Throwable jjte001) {
                    if (jjtc001) {
                        jjtree.clearNodeScope(jjtn001);
                        jjtc001 = false;
                    } else {
                        jjtree.popNode();
                    }
                    if (jjte001 instanceof RuntimeException) {
                        throw (RuntimeException)jjte001;
                    }
                    if (jjte001 instanceof ParseException) {
                        throw (ParseException)jjte001;
                    }
                    throw (Error)jjte001;
                } finally {
                    if (jjtc001) {
                        jjtree.closeNodeScope(jjtn001, 2);
                    }
                }
            } finally {
                if (jjtc001) {
                    jjtree.closeNodeScope(jjtn001, 2);
                }
            }
        } /*@egen*/
        <LOGICAL_GT>/*@bgen(jjtree) #GTNode(2) */
        {
            ASTGTNode jjtn002 = new ASTGTNode(this, JJTGTNODE);
            boolean jjtc002 = true;
            jjtree.openNodeScope(jjtn002);
            try {
                AdditiveExpression()/*@bgen(jjtree)*/
                catch (Throwable jjte002) {
                    if (jjtc002) {
                        jjtree.closeNodeScope(jjtn002, 2);
                    }
                } /*@egen*/
                [ <LOGICAL_GT>/*@bgen(jjtree) #GTNode(2) */
                {
                    ASTGTNode jjtn002 = new ASTGTNode(this, JJTGTNODE);
                    boolean jjtc002 = true;
                    jjtree.openNodeScope(jjtn002);
                } /*@egen*/
            }
        }
    }
}
```java
try {
    AdditiveExpression();
} catch (Throwable jjte002) {
    if (jjtc002) {
        jjtree.clearNodeScope(jjtn002);
        jjtc002 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte002 instanceof RuntimeException) {
        throw (RuntimeException)jjte002;
    }
    if (jjte002 instanceof ParseException) {
        throw (ParseException)jjte002;
    }
    throw (Error)jjte002;
} finally {
    if (jjtc002) {
        jjtree.closeNodeScope(jjtn002, 2);
    }
}

/*@egen*/
| <LOGICAL_LE>/*@bgen(jjtree) #LENODE(2) */ |
    { 
        ASTLENode jjtn003 = new ASTLENode(this, JJTLENODE); 
        boolean jjtc003 = true; 
        jjtree.openNodeScope(jjtn003); 
    }
    try {
        AdditiveExpression();
    } catch (Throwable jjte003) {
        if (jjtc003) {
            jjtree.clearNodeScope(jjtn003);
            jjtc003 = false;
        } else {
            jjtree.popNode();
        }
        if (jjte003 instanceof RuntimeException) {
            throw (RuntimeException)jjte003;
        }
        if (jjte003 instanceof ParseException) {
            throw (ParseException)jjte003;
        }
        throw (Error)jjte003;
    } finally {
        if (jjtc003) {
            jjtree.closeNodeScope(jjtn003, 2);
        }
    }
```
void AdditiveExpression() : {}
{
    MultiplicativeExpression()
    (
        <PLUS>/*@bgen(jjtree) #AddNode( 2) */
        {
            ASTAddNode jjtn001 = new ASTAddNode(this, JJTADDDNODE);
            boolean jjtc001 = true;
            jjtree.openNodeScope(jjtn001);
        }
    )
}

/*@egen*/

| <LOGICAL_GE>/*/@bgen(jjtree) #GENode( 2) */
| {
    ASTGENode jjtn004 = new ASTGENode(this, JJTGENODE);
    boolean jjtc004 = true;
    jjtree.openNodeScope(jjtn004);
}
try {
    AdditiveExpression()/*@bgen(jjtree)="/*/
    )
} catch (Throwable jjte004) {
        if (jjtc004) {
            jjtree.clearNodeScope(jjtn004);
            jjtc004 = false;
        } else {
            jjtree.popNode();
        }
        if (jjte004 instanceof RuntimeException) {
            throw (RuntimeException)jjte004;
        }
        if (jjte004 instanceof ParseException) {
            throw (ParseException)jjte004;
        }
        throw (Error)jjte004;
    } finally {
        if (jjtc004) {
            jjtree.closeNodeScope(jjtn004, 2);
        }
    }
/*@egen*/
)*/

/*@egen*/

/***/

/*@egen*/

AdditiveExpression()/*@bgen(jjtree)="/*/
    )
} catch (Throwable jjte001) {
        if (jjtc001) {
jjtree.clearNodeScope(jjtn001);
jjtc001 = false;
} else {
    jjtree.popNode();
}
if (jjte001 instanceof RuntimeException) {
    throw (RuntimeException)jjte001;
}
if (jjte001 instanceof ParseException) {
    throw (ParseException)jjte001;
}
throw (Error)jjte001;
} finally {
    if (jjtc001) {
        jjtree.closeNodeScope(jjtn001, 2);
    }
}

/*@egen*/
[<MINUS>/*@bgen(jjtree) #SubtractNode( 2) */
{
    ASTSubtractNode jjtn002 = new ASTSubtractNode(this, JJTSUBTRACTNODE);
    boolean jjtc002 = true;
    jjtree.openNodeScope(jjtn002);
}
try {
   /*@egen*/ MultiplicativeExpression()/*@bgen(jjtree)*/
} catch (Throwable jjte002) {
    if (jjtc002) {
        jjtree.clearNodeScope(jjtn002);
        jjtc002 = false;
    } else {
        jjtree.popNode();
    }
    if (jjte002 instanceof RuntimeException) {
        throw (RuntimeException)jjte002;
    }
    if (jjte002 instanceof ParseException) {
        throw (ParseException)jjte002;
    }
    throw (Error)jjte002;
} finally {
    if (jjtc002) {
        jjtree.closeNodeScope(jjtn002, 2);
    }
}
/*@egen*/
)*/
void MultiplicativeExpression() : {}
{
    UnaryExpression()
    (
        <MULTIPLY>/*@bgen(jjtree) #MulNode( 2) */
        {
            ASTMulNode jjtn001 = new ASTMulNode(this, JJTMULNODE);
            boolean jjtc001 = true;
            jjtree.openNodeScope(jjtn001);
        }
    try {
        UnaryExpression()/*@bgen(jjtree)*/
    } catch (Throwable jjte001) {
        if (jjtc001) {
            jjtree.clearNodeScope(jjtn001);
            jjtc001 = false;
        } else {
            jjtree.popNode();
        }
        if (jjte001 instanceof RuntimeException) {
            throw (RuntimeException)jjte001;
        }
        if (jjte001 instanceof ParseException) {
            throw (ParseException)jjte001;
        }
        throw (Error)jjte001;
    } finally {
        if (jjtc001) {
            jjtree.closeNodeScope(jjtn001,  2);
        }
    }

    }/*@egen*/
    |<DIVIDE>/*@bgen(jjtree) #DivNode( 2) */
    {
        ASTDivNode jjtn002 = new ASTDivNode(this, JJTDIVNODE);
        boolean jjtc002 = true;
        jjtree.openNodeScope(jjtn002);
    }
    try {
        UnaryExpression()/*@bgen(jjtree)*/
    } catch (Throwable jjte002) {
        if (jjtc002) {
            jjtree.clearNodeScope(jjtn002);
            jjtc002 = false;
        } else {
            jjtree.popNode();
        }
    }
if (jjte002 instanceof RuntimeException) {
    throw (RuntimeException)jjte002;
}
if (jjte002 instanceof ParseException) {
    throw (ParseException)jjte002;
} 
throw (Error)jjte002;
} finally {
    if (jjtc002) {
        jjtree.closeNodeScope(jjtn002, 2);
    }
}

/*@egen*/
 | <MODULUS>/*@bgen(jjtree) #ModNode( 2) */|
{
    ASTModNode jjtn003 = new ASTModNode(this, JJTMODNODE);
    boolean jjtc003 = true;
    jjtree.openNodeScope(jjtn003);
    try {
        UnaryExpression()/*@bgen(jjtree)*/
    } catch (Throwable jjte003) {
        if (jjtc003) {
            jjtree.clearNodeScope(jjtn003);
            jjtc003 = false;
        } else {
            jjtree.popNode();
        }
        if (jjte003 instanceof RuntimeException) {
            throw (RuntimeException)jjte003;
        }
        if (jjte003 instanceof ParseException) {
            throw (ParseException)jjte003;
        }
        throw (Error)jjte003;
    } finally {
        if (jjtc003) {
            jjtree.closeNodeScope(jjtn003, 2);
        }
    }

/*@egen*/
endum

}void UnaryExpression() : {}
{LOOKAHEAD(2) [<WHITESPACE>] <LOGICAL_NOT>/*@bgen(jjtree) #NotNode( 1) */
ASTNotNode jjtn001 = new ASTNotNode(this, JJTNOTNODE);
boolean jjtc001 = true;
jjtree.openNodeScope(jjtn001);
}
try {
    UnaryExpression() catch (Throwable jjte001) {
        if (jjtc001) {
            jjtree.clearNodeScope(jjtn001);
            jjtc001 = false;
        } else {
            jjtree.popNode();
        }
        if (jjte001 instanceof RuntimeException) {
            throw (RuntimeException)jjte001;
        }
        if (jjte001 instanceof ParseException) {
            throw (ParseException)jjte001;
        }
        throw (Error)jjte001;
    } finally {
        if (jjtc001) {
            jjtree.closeNodeScope(jjtn001, 1);
        }
    }

    PrimaryExpression() :
    }

    void PrimaryExpression() : {}
    {
        [WHITESPACE]
        ( StringLiteral()
        | Reference()
        | IntegerLiteral()
        | LOOKAHEAD( LBRACKET [WHITESPACE] ( Reference() | IntegerLiteral() ) [WHITESPACE] DOUBLEDOT ) IntegerRange()
        | FloatingPointLiteral()
        | Map()
        | ObjectArray()
        | True()
        | False()
        | LPAREN Expression() RPAREN
    )
    [WHITESPACE]
/* ====================================================================== 

Notes 
----- 

template == the input stream for this parser, contains 'VTL' 
mixed in with 'schmoo' 

VTL == Velocity Template Language : the references, directives, etc 

schmoo == the non-VTL component of a template 

reference == VTL entity that represents data within the context. ex. $foo 

directive == VTL entity that denotes 'action' (#set, #foreach, #if ) 

defined directive (DD) == VTL directive entity that is expressed 
explicitly w/in this grammar 

pluggable directive (PD) == VTL directive entity that is defined outside of the 
grammar. PD's allow VTL to be easily expandable w/o parser modification. 

The problem with parsing VTL is that an input stream consists generally of 
little bits of VTL mixed in with 'other stuff, referred to as 'schmoo'. 
Unlike other languages, like C or Java, where the parser can punt whenever 
it encounters input that doesn't conform to the grammar, the VTL parser can't do 
that. It must simply output the schmoo and keep going. 

There are a few things that we do here : 
- define a set of parser states (DEFAULT, DIRECTIVE, REFERENCE, etc) 
- define for each parser state a set of tokens for each state 
- define the VTL grammar, expressed (mostly) in the productions such as Text(), 
  SetStatement(), etc. 

It is clear that this expression of the VTL grammar (the contents 
of this .jjt file) is maturing and evolving as we learn more about 
how to parse VTL ( and as I learn about parsing...), so in the event 
this documentation is in disagreement w/ the source, the source 
takes precedence. :) 

Parser States 
------------- 

DEFAULT : This is the base or starting state, and strangely enough, the 
default state. 

PRE_DIRECTIVE : State immediately following '#' before we figure out which 
defined or pluggable directive (or neither) we are working with. 

*/
DIRECTIVE: This state is triggered by the match of a DD or a PD.

REFERENCE: Triggered by '$'. Analogous to PRE_DIRECTIVE.

REFMODIFIER: Triggered by .<alpha> when in REFERENCE.

REFMOD2: Triggered by ( when in REFMODIFIER

(cont)

Escape Sequences
----------------
The escape processing in VTL is very simple. The \ character acts
only as an escape when:

1) On or more touch a VTL element.

A VTL element is either:

1) It precedes a reference that is in the context.

2) It precedes a defined directive (#set, #if, #end, etc) or a valid
pluggable directive, such as #foreach

In all other cases the \ is just another piece of text. The purpose of this
is to allow the non-VTL parts of a template (the 'schmoo') to not have to be
altered for processing by Velocity.

So if in the context $foo and $bar were defined and $woogie was not

\$foo \$bar \$woogie

would output

$foo $bar \$woogie

Further, you can stack them and they affect left to right, just like convention
escape characters in other languages.

\$foo = $foo
\$foo = \<foo>
\\$foo = \$foo

What You Expect
----------------
The recent versions of the parser are trying to support precise output to
support general template use. The directives do not render trailing whitespace and newlines if followed by a newline. They will render preceeding whitespace. The only exception is #set, which also eats preceeding whitespace.

So, with a template:

```
-----
#set $foo="foo"
#if($foo)
\$foo = $foo
#end
-----
```

it will render precisely:

```
-----
$foo = foo
-----
```

/*

Found in path(s):
* /opt/cola/permits/1000221041_1646268241.71/0/com-springsource-org-apache-velocity-sources-1-5-0.jar/org/apache/velocity/runtime/parser/Parser.jj

1.404 sac 1.3

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1.405 glib 2.56.1 2.el7

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Version 2.1, February 1999

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the
Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

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

These requirements apply to the modified work as a whole. If
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subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.
4. You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

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

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

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

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

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

e) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
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which the executable runs, unless that component itself accompanies
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   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote
Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the
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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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1.413 swagger-jersey2-jaxrs 1.5.18

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*/
jar/org/springframework/ui/velocity/SpringResourceLoader.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources-
jar/org/springframework/mail/MailPreparationException.java
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jar/org/springframework/ui/freemarker/SpringTemplateLoader.java
* /opt/cola/permits/1112533534_1607107465.82/0/spring-context-support-3-0-3-release-sources-
jar/org/springframework/ui/freemarker/FreeMarkerTemplateUtils.java
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jar/org/springframework/mail/javamail/MimeMailMessage.java
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The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.
* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api
Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

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    GL/glxext.h  Khronos
    GL/wglext.h  Khronos
    KHR/khrplatform.h  Khronos

*****************************************************************************
---
include/GL/gl.h :

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---
include/GL/glext.h
include/GL/glxext.h
include/GL/wglext.h :

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- Ajay Joshi <jaj@google.com>
- Balzs Dn <balazs.dan@gmail.com>
- Bharat Mediratta <bharat@menalto.com>
- Chandler Carruth <chandlere@google.com>
- Chris Prince <cprince@google.com>
- Chris Taylor <taylorc@google.com>
- Dan Egnor <egnor@google.com>
- Eric Roman <eroman@chromium.org>
- Hady Zalek <hady.zalek@gmail.com>
- Jeffrey Yasskin <jyasskin@google.com>
- Ji Sigursson <joi@google.com>
- Keir Mierle <mierle@gmail.com>
- Keith Ray <keith.ray@gmail.com>
- Kenton Varda <kenton@google.com>
- Manuel Klimek <klimek@google.com>
- Markus Heule <markus.heule@gmail.com>
- Mika Raento <mikie@iki.fi>
- Mikls Fazekas <mfazekas@szemafor.com>
- Pasi Valminen <pasi.valminen@gmail.com>
- Patrick Hanna <phanna@google.com>
Open Source Used In Cisco Unified Contact Center Express 12.5(1) SU2 3563

Patrick Riley <pfr@google.com>
Peter Kaminski <piotrk@google.com>
Preston Jackson <preston.a.jackson@gmail.com>
Rainer Klaffenboeck <rainer.klaffenboeck@dynatrace.com>
Russ Cox <rsc@google.com>
Russ Rufer <russ@pentad.com>
Sean McAfee <seefacm@gmail.com>
Sigurur sgeirsson <siggi@google.com>
Tracy Bialik <tracy@pentad.com>
Vadim Berman <vadimb@google.com>
Vlad Losev <vladl@google.com>
Zhanyong Wan <wan@google.com>

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[This is the first released version of the library GPL. It is
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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

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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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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the
Library, but is designed to work with the Library by being compiled or
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However, linking a "work that uses the Library" with the Library
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library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

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Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data
structure layouts and accessors, and small macros and small inline
functions (ten lines or less in length), then the use of the object
file is unrestricted, regardless of whether it is legally a derivative
work. (Executables containing this object code plus portions of the
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Otherwise, if the work is a derivative of the Library, you may
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Any executables containing that work also fall under Section 6,
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c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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Appendix: How to Apply These Terms to Your New Libraries

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1.425 alsa-lib 1.2.4-r2

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The source code for a work means the preferred form of the work for making modifications to it. For an executable work, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the executable. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http/RealInterceptorChain.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/WebSocketListener.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internet/ws/RealWebSocket.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/platform/Jdk9Platform.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/tls/BasicTrustRootIndex.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0-okhttp-3-12-sources-jar-okhttp3internal/http/RetryAndFollowUpInterceptor.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0-okhttp-3-12-sources-jar-okhttp3internal/cache2/FileOperator.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0-okhttp-3-12-sources-jar-okhttp3/WebSocket.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0-okhttp-3-12-sources-jar-okhttp3internal/tls/BasicCertificateChainCleaner.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0-okhttp-3-12-sources-jar-okhttp3internal/tls/TrustRootIndex.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0-okhttp-3-12-sources-jar-okhttp3internal/http/HttpHeaders.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/platform/OptionalMethod.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/tls/DistinguishedNameParser.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/connection/RealConnection.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/ConnectionPool.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/connection/ConnectInterceptor.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/Headers.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-
jar/okhttp3/Connection.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-
  jar/okhttp3/internal/cache/CacheInterceptor.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-
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  jar/okhttp3/internal/http2/PushObserver.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/Protocol.java
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  jar/okhttp3/ResponseBody.java
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  jar/okhttp3/HttpRequest.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-
  jar/okhttp3/Credentials.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-
  jar/okhttp3/Challenge.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-
  jar/okhttp3/CertificatePinner.java
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  jar/okhttp3/MultipartBody.java
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  jar/okhttp3/internal/ws/WebSocketWriter.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-sources-jar/okhttp3/Route.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-sources-jar/okhttp3/internal/http2/Hpack.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-sources-jar/okhttp3/internal/connection/RouteDatabase.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-sources-jar/okhttp3/internal/http/RequestLine.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-sources-jar/okhttp3/internal/http/RequestLine.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-sources-jar/okhttp3/Dispatcher.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/connection/ConnectionSpecSelector.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/connection/RouteException.java
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* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http2/Http2Stream.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http2/Http2Reader.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http2/Http2Writer.java
* /opt/ws_local/PERMITS_SQL/1067889431_1594252707.84/0/okhttp-3-12-12-sources-jar/okhttp3/internal/http2/Http2Connection.java

1.432 axiom-api 1.2.7
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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl
These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville.

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1.435 @babel/polyfill 7.4.3

1.435.1 Available under license:

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 * /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
 jar/com/google/common/base/CaseFormat.java
 * /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
 jar/com/google/common/util/concurrent/FakeTimeLimiter.java
 * /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
 jar/com/google/common/util/concurrent/Futures.java
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Jar/com/google/common/io/PatternFilenameFilter.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/FuturesGetChecked.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/GwtFluentFutureCatchingSpecialization.java
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* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/UncheckedTimeoutException.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/annotations/VisibleForTesting.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/reflect/TypeToken.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/TimeLimiter.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/GwtFuturesCatchingSpecialization.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/escape/CharEscaper.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/SimpleTimeLimiter.java
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* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/CollectionFuture.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/escape/CharEscaperBuilder.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/io/AppendableWriter.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/ImmediateFuture.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/AggregateFuture.java

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  jar/com/google/common/collection/NullsLastOrdering.java
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  jar/com/google/common/collection/Sets.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
  jar/com/google/common/collection/ForwardingMap.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
  jar/com/google/common/collection/ForwardingObject.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
  jar/com/google/common/collection/AbstractMultiset.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
  jar/com/google/common/collection/TreeMultiset.java
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  jar/com/google/common/collection/ReverseNaturalOrdering.java
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  jar/com/google/common/collection/ConcurrentHashMultiset.java
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* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collection/Synchronized.java
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* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collection/Lists.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collection/LinkedListMultimap.java
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* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collection/RangeGwtSerializationDependencies.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/graph/DirectedMultiNetworkConnections.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/graph/ValueGraphBuilder.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/graph/NetworkBuilder.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/graph/AbstractNetwork.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/graph/ValueGraph.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/graph/MapIteratorCache.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/graph/UndirectedGraphConnections.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/graph/StandardMutableGraph.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/graph/AbstractGraphBuilder.java
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* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collect/DescendingImmutableSortedMultiset.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/FutureCallback.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collect/TreeRangeSet.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/cache/ForwardingLoadingCache.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/cache/ForwardingCache.java
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* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collection/IndexedImmutableSet.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collection/BaseImmutableMultimap.java

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* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/ForwardingCondition.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/primitives/ImmutableIntArray.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/primitives/ImmutableIntArray.java
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jar/com/google/common/xml/package-info.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
jar/com/google/common/hash/AbstractByteHasher.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
jar/com/google/common/reflect/package-info.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
jar/com/google/common/reflect/TypeToInstanceMap.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
jar/com/google/common/reflect/TypeCapture.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
jar/com/google/common/math/LinearTransformation.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
jar/com/google/common/math/StatsAccumulator.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
jar/com/google/common/collect/ImmutableRangeMap.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
jar/com/google/common/collect/FilteredKeyMultimap.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
jar/com/google/common/escape/package-info.java
*/
jar/com/google/common/util/concurrent/ServiceManager.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
jar/com/google/common/base/StandardSystemProperty.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
jar/com/google/common/math/PairedStats.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
jar/com/google/common/cache/LongAddables.java
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 *
 * As of 2010/06/11, this method is identical to the (package private) hash method in OpenJDK 7's
 * java.util.HashMap class.
 */

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* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/base/JdkPattern.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/base/CommonMatcher.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/base/CommonPattern.java

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* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collection/RowSortedTable.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collection/UnmodifiableListIterator.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collection/MinMaxPriorityQueue.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collection/AbstractSequentialIterator.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collection/ForwardingSetMultimap.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collection/ForwardingImmutableCollection.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collection/SortedMapDifference.java
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* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collect/MapMakerInternalMap.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/escape/Escapers.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collect/DenseImmutableTable.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/primitives/SignedBytes.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/primitives/UnsignedBytes.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/base/Platform.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/ForwardingListenableFuture.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/SettableFuture.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/io/LineProcessor.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/net/InternetDomainName.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/escape/ArrayBasedEscaperMap.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collect/Cut.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/escape/ArrayBasedUnicodeEscaper.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/cache/ReferenceEntry.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/Callables.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collect/SparseImmutableTable.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/AbstractIdleService.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collect/MapMaker.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/Service.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/html/HtmlEscapers.java
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/**
* Holder for web specializations of methods of [ @code Floats ]. Intended to be empty for regular
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*/

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 */
Returns an array containing all of the elements in the specified collection. This method
returns the elements in the order they are returned by the collection’s iterator. The returned
array is “safe” in that no references to it are maintained by the collection. The caller is
thus free to modify the returned array.

This method assumes that the collection size doesn’t change while the method is running.

TODO(kevinb): support concurrently modified collections?

@throws IllegalArgumentException if the argument is null

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* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/eventbus/Subscriber.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/math/Quantiles.java
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* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/eventbus/Dispatcher.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/eventbus/SubscriberRegistry.java

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* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/graph/package-info.java
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 */
/**
 * Holder for web specializations of methods of [@code Ints]. Intended to be empty for regular
 * version.
 */

Found in path(s):
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jar/com/google/common/primitives/IntsMethodsForWeb.java

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 */
/**
 * This method was rewritten in Java from an intermediate step of the Murmur hash function in
 * http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
 * following header:
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  jar/com/google/common/base/VerifyException.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
  jar/com/google/common/base/Verify.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
  jar/com/google/common/collect/FilteredMultimapValues.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
  jar/com/google/common/io/CharSequenceReader.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
  jar/com/google/common/reflect/TypeVisitor.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
  jar/com/google/common/collect/AbstractTable.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
  jar/com/google/eventbus/SubscriberExceptionHandler.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
  jar/com/google/common/util/concurrent/WrappingScheduledExecutorService.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
  jar/com/google/eventbus/SubscriberExceptionContext.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
  jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
  jar/com/google/common/base/Utf8.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
  jar/com/google/common/hash/HashingInputStream.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
jar/com/google/common/util/concurrent/Runnables.java
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* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/cache/LongAdder.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/AtomicDoubleArray.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/hash/Striped64.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/hash/LongAdder.java
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* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/hash/Java8Compatibility.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/math/ToDoubleRounnder.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/io/Java8Compatibility.java
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 */
/**
 * Outer class that exists solely to let us write [@code Partially.GwtIncompatible] instead of plain
 * [@code GwtIncompatible]. This is more accurate for [@link Futures#catching], which is available
 * under GWT but with a slightly different signature.
 *
 * <p>We can't use [@code PartiallyGwtIncompatible] because then the GWT compiler wouldn't recognize
 * it as a [@code GwtIncompatible] annotation. And for [@code Futures.catching], we need the GWT
 * compiler to autostrip the normal server method in order to expose the special, inherited GWT
 * version.
 */

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jar/com/google/common/collect/FilteredKeySetMultimap.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collect/DescendingMultiset.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/ForwardingBlockingDeque.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collect/AbstractSortedKeySortedSetMultimap.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collect/AllEqualOrdering.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collect/RegularImmutableAsList.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collect/ForwardingNavigableMap.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collect/ForwardingImmutableSet.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collect/AbstractMultimap.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collect/CompactLinkedHashSet.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collect/ForwardingImmutableList.java

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**
* Holder for extra methods of { @code Objects } only in web. Intended to be empty for regular
* version.
*/

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* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
jar/com/google/common/collection/ImmutableSortedMultiset.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
jar/com/google/common/collection/GeneralRange.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
jar/com/google/common/collection/Count.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
jar/com/google/common/collection/RangeSet.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
jar/com/google/common/collection/ForwardingSortedMultiset.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
jar/com/google/common/collection/SortedIterables.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
jar/com/google/common/collection/AbstractRangeSet.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
jar/com/google/common/collection/ImmutableSortedMultisetFauxverideShim.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
jar/com/google/common/collection/RegularImmutableSortedMultiset.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
jar/com/google/common/collection/SortedIterable.java

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*/
/**
* Holder for web specializations of methods of [@code Shorts]. Intended to be empty for regular
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*/

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  jar/com/google/common/primitives/ShortsMethodsForWeb.java
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  jar/com/google/common/hash/ImmutableSupplier.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
  jar/com/google/common/util/concurrent/ExecutionSequencer.java
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* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/primitives/Floats.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/thirdparty/publicsuffix/TrieParser.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/ListenableFutureTask.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/base/Joiner.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/primitives/Doubles.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/primitives/Chars.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/io/FileBackedOutputStream.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/primitives/Bytes.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/SequentialExecutor.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/primitives/Longs.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/base/CharMatcher.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/base/internal/Finalizer.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/primitives/Booleans.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/primitives/Ints.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/escape/UnicodeEscaper.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/io/MultiReader.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/net/InetAddresses.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/escape/Escaper.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collect/FluentIterable.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collect/IteratorUtils.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/primitives/Immutables.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/base/MultithreadedTaskQueue.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/base/RenamingFileObserver.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/primitives/Arrays.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/thirdparty/publicsuffix/TrieParser.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/base/Stopwatch.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/base/Joiner.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/primitives/Chars.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/primitives/Bytes.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/primitives/Ints.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/primitives/Floats.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/primitives/Longs.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/primitives/Booleans.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/primitives/Shorts.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/primitives/Doubles.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/base/Converter.java
jar/com/google/common/net/PercentEscaper.java
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* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/hash/LittleEndianByteArray.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/AsyncCallable.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/hash/FarmHashFingerprint64.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/io/ReaderInputStream.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/AggregateFutureState.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/CombinedFuture.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/InterruptibleTask.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collect/ConsumingQueueIterator.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/Platform.java
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* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/graph/ImmutableGraph.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/graph/SuccessorsFunction.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/graph/PredecessorsFunction.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/graph/Graphs.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/graph/Graph.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/graph/MutableGraph.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/graph/MutableNetwork.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collect/TopKSelector.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/graph/Network.java

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/**
 * Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable}<b> key.</b>
 * Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy
 * version.
 *
 * @throws UnsupportedOperationException always
* @deprecated <b>Pass a key of type {@code Comparable} to use {@link ImmutableSortedMap#of(Comparable, Object)}. </b>*

*/

Found in path(s):
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collect/ImmutableSortedMapFauxverideShim.java
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* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collect/ContiguousSet.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/primitives/package-info.java
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* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/collect/SortedLists.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/base/Equivalence.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/UncaughtExceptionHandlers.java
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
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/**
 * Holder for web specializations of methods of {@code Doubles}. Intended to be empty for regular
 * version.
 */

Found in path(s):
* /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-
jar/com/google/common/primitives/DoublesMethodsForWeb.java

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jar/com/google/common/graph/IncidentEdgeSet.java
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jar/com/google/common/collect/CompactHashing.java
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 */

/*
 * This method was rewritten in Java from an intermediate step of the Murmur hash function in
 * http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
 * following header:
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jar/com/google/common/base/SmallCharMatcher.java
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  * /opt/cola/permits/1136647774_1613845914.79/0/guava-30-0-android-sources-jar/com/google/common/util/concurrent/MoreExecutors.java

1.437 woden-api 1.0M9

1.437.1 Available under license:

W3C XML Schema defined in the Web Services Description (WSDL)
Version 2.0 Adjuncts specification
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1.439 powermock-reflect 1.5.4

1.440 spring-context 3.0.3.RELEASE

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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/format/datetime/joda/JodaTimeConverters.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/scheduling/config/TaskExecutorFactoryBean.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/scheduling/config/AnnnotationDrivenBeanDefinitionParser.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/context/support/AbstractRefreshableApplicationContext.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/context/support/AnnotationConfigApplicationContext.java

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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/context/support/AbstractXmlApplicationContext.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/context/event/SimpleApplicationEventMulticaster.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/jmx/export/metadata/JmxAttributeSource.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/context/annotation/Lazy.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/remoting/rmi/JndiRmiProxyFactoryBean.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/u/i/context/support/UiApplicationContextUtils.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/jmx/export/metadata/ManagedMetric.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/jmx/export/annotation/ManagedMetric.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/validate/validation/beanvalidation/CustomValidatorBean.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/scheduling/concurrent/ReschedulingRunnable.java
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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/instrument/classloading/jboss/JBossLoadTimeWeaver.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/context/annotation/ClassPathBeanDefinitionScanner.java
* /opt/coli/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/ui/ModelMap.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/scheduling/concurrent/ConcurrentTaskScheduler.java
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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/context/support/ScheduledExecutorFactory.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/jndi/support/SimpleJndiBeanFactory.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/context/support/ContextTypeMatchClassLoader.java
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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/jmx/export/assembler/InterfaceBasedMBeanInfoAssembler.java
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 * /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/context/support/MessageSourceAccessor.java
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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/instrument/classloading/jboss/JBossClassLoaderAdapter.java
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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/scheduling/SchedulingException.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/classloading/ResourceOverridingShadowingClassLoader.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/classloading/ResourceLoaderAware.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/context/EventPublicationInterceptor.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/jmx/MbeanInfoRetrievalException.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/jmx/export/MBeanExportException.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/jmx/export/notification/UnableToSendNotificationException.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/jmx/MBeanExportException.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/jmx/JmxException.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/jmx/export/MBeanServerNotFoundException.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/jmx/export/UnmarshalException.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/jmx/export/UnableToSendNotificationException.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/jmx/export/MBeanServerNotFoundException.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/jmx/MBeanExportException.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-jar/org/springframework/classloading/glassfish/ClassTransformerAdapter.java
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  jar/org/springframework/jmx/export/assembler/AbstractMBeanInfoAssembler.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
  jar/org/springframework/scheduling/concurrent/CustomizableThreadFactory.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
  jar/org/springframework/ejb/config/AbstractJndiLocatingBeanDefinitionParser.java
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  jar/org/springframework/ejb/support/AbstractEnterpriseBean.java
* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
  jar/org/springframework/scheduling/backportconcurrent/CustomizableThreadFactory.java
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* /opt/cola/permits/1112533606_1607107405.11/0/spring-context-3-0-3-release-sources-
  jar/org/springframework/instrument/classloading/oc4j/OC4JLoadTimeWeaver.java
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/**
 * [@link FactoryBean] that obtains a WebSphere [@link javax.management.MBeanServer]
 * reference through WebSphere's proprietary <code>AdminServiceFactory</code> API,
 * available on WebSphere 5.1 and higher.
 *
 * &lt;p&gt;Exposes the &lt;code&gt;MBeanServer&lt;/code&gt; for bean references.
 * This FactoryBean is a direct alternative to [@link MBeanServerFactoryBean],
 * which uses standard JMX 1.2 API to access the platform's MBeanServer.
 *
 * @author Juergen Hoeller
 * @author Rob Harrop
 * @since 2.0.3
 * @see com.ibm.websphere.management.AdminServiceFactory#getMBeanFactory()
 * @see com.ibm.websphere.management.MBeanFactory#getMBeanServer()
 * @see javax.management.MBeanServer
 * @see MBeanServerFactoryBean
 */

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1.448 libvorbis 1.3.3-8.el7.1

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The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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**Oracle OpenJDK**

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
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org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
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org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.452 websocket 1.1.FR
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 */
/**
A registry for service provider objects.

Service providers are looked up from the classpath, under the path

`META-INF/services/` &lt;full-class-name&gt;.

For example:


The file should contain a list of fully-qualified concrete class names,

one per line.

The `<em>full-class-name</em>` represents an interface or (typically) an

abstract class, and is the same class used as the category for this registry.

Note that only one instance of a concrete subclass may be registered with a

specific category at a time.

Implementation detail: This class is a clean room implementation of

a service registry and does not use the proprietary `{ sun.misc.Service }`

class that is referred to in the `<em>JAR File specification</em>`.

This class should work on any Java platform.

@see RegisterableService

@see [JAR File Specification](http://java.sun.com/j2se/1.3/docs/guide/jar/jar.html#Service%20Provider)
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* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources.jar/com/twelvemonkeys/util/convert/package_info.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources.jar/com/twelvemonkeys/util/NullMap.java
* /opt/cola/permits/1000760692_1646171562.79/0/common-lang-3-4-sources.jar/com/twelvemonkeys/util/LinkedSet.java
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</pre>

# This file contains a list of people who've made non-trivial contribution to the Google C++ Mocking Framework project. People who commit code to the project are encouraged to add their names here. Please keep the list sorted by first names.

Benoit Sigoure <tsuna@google.com>
Bogdan Piloca <boo@google.com>
Chandler Carruth <chandlere@google.com>
Dave MacLachlan <dmaclach@gmail.com>
David Anderson <danderson@google.com>
Dean Sturtevant
Gene Volovich <gv@cite.com>
Hal Burch <gmock@hburch.com>
Jeffrey Yasskin <jyasskin@google.com>
Jim Keller <jimkeller@google.com>
Joe Walnes <joe@truemesh.com>
Jon Wray <jwray@google.com>
Keir Mierle <mierle@gmail.com>
Keith Ray <keith.ray@gmail.com>
Kostya Serebryany <kcc@google.com>
Lev Makhlis
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Mario Tanev <radix@google.com>
Mark Paskin
Markus Heule <markus.heule@gmail.com>
Matthew Simmons <simmonmt@acm.org>
Mike Bland <mbland@google.com>
Neal Norwitz <nnorwitz@gmail.com>
Nermin Ozkiranartli <nermin@google.com>
Owen Carlsen <ocarlsen@google.com>
Paneendra Ba <paneendra@google.com>
Paul Menage <menage@google.com>
Piotr Kaminski <piotrk@google.com>
Russ Rufer <russ@pentad.com>
Sverre Sundsdal <sundsdal@gmail.com>
Takeshi Yoshino <tyoshino@google.com>
Vadim Berman <vadimb@google.com>
Vlad Losev <vladl@google.com>
Wolfgang Klier <wklier@google.com>
Zhanyong Wan <wan@google.com>

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include/GL/glxext.h
include/GL/wglxext.h :

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id KAA22876; Wed, 10 May 1995 10:21:10 -0400 (from spcecdt@armory.com for <chet@odin.INS.CWRU.Edu>)
Received: from deepthought.armory.com (mmdf@deepthought.armory.com [192.122.209.42]) by po.cwru.edu with SMTP (8.6.10+cwru/CWRU-2.3)
id BAA16354; Wed, 10 May 1995 01:33:22-0400 (from spcecdt@armory.com for <chet@po.cwru.edu>)
From: John DuBois <spcecdt@armory.com>
Date: Tue, 9 May 1995 22:33:12 -0700
In-Reply-To: Chet Ramey <chet@odin.ins.cwru.edu>
"ksh scripts" (May 9, 1:36pm)
X-Www: http://www.armory.com/~spcecdt/
X-Mailer: Mail User's Shell (7.2.5 10/14/92)
To: chet@po.cwru.edu
Subject: Re: ksh scripts
Message-ID: <9505092233.aa13001@deepthought.armory.com>

Sure. The canonical versions are available on ftp.armory.com; you might want to pick up the latest versions before modifying them.

John

On May 9, 1:36pm, Chet Ramey wrote:
] Subject: ksh scripts
] From odin.ins.cwru.edu!chet Tue May 9 10:39:51 1995
] Received: from odin.INS.CWRU.Edu by deepthought.armory.com id aa22336;
Hi. I'm the maintainer of bash (the GNU `Bourne Again shell') for the FSF.

I picked up a tar file of ksh scripts you wrote from an anon FTP site a while back. I'd like your permission to include modified versions of some of them in the next major bash distribution (with proper credit given, of course). Is it OK if I do that?

Chet Ramey
Hi. I snagged some of your bash functions from your home directory on
the FSF machines (naughty, I know), and I was wondering if you'd let
me distribute them with bash-2.0. Thanks.

Sure. I think there's a later copy in
~ftp/friedman/shell-inits/init-4.89.tar.gz. There are also some elisp and
es frobs in that file.

It should serve as a pretty good example of how to get carried away. :-)
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1.466 cyrus-sasl 2.1.26-21.el7

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1.468 kerberos 1.15.5-r0

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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
and the initial implementation of incremental propagation, including the following new or changed files:

```
include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c
```

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Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:50 PM
To: Tom Callaway <tcallawa@redhat.com>
CC: "jorge@iryoku.com" <jorge@iryoku.com>

Yes to both questions.

Thanks,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:49 PM
To: Jorge Jimenez <iryoku@gmail.com>
CC: jorge@iryoku.com
Subject: Re: Question about Mesa MLAA license

On 01/08/2013 12:39 PM, Jorge Jimenez wrote:
> Hi Tom,
> > What we meant with that is that we made an exception for clause 2.
> > Instead of clause 2, in the case of the Mesa project, you have to name
> > the technique Jimenez's MLAA in the config options of Mesa. We did that
> > just to allow them to solve license issues. This exception should be for
> > the Mesa project, and any project using Mesa, like Fedora.
> > > We want to widespread usage of our MLAA, so we want to avoid any kind of
> > license complications. Hope current one is good for Fedora, if not
> > please tell, and we'll see what we can do!

Okay, a few more questions:
If Fedora decides to simply reproduce the quoted statement:
"Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."

Specifically, if this is done as part of documentation included with
Mesa, is that sufficient to meet clause 2 even if the Mesa config option
is not set as described in your exception?

Currently, the Mesa config option for MLAA says: "Morphological
anti-aliasing based on Jimenez's MLAA. 0 to disable, 8 for default
quality". Is this in compliance with your exception?

Thanks again,

~tom

==
Fedora Project

Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:39 PM
To: "jorge@iryoku.com" <jorge@iryoku.com>, Tom Callaway <tcallawa@redhat.com>

Hi Tom,

What we meant with that is that we made an exception for clause 2.
Instead of clause 2, in the case of the Mesa project, you have to name
the technique Jimenez's MLAA in the config options of Mesa. We did that
just to allow them to solve license issues. This exception should be for
the Mesa project, and any project using Mesa, like Fedora.

We want to widespread usage of our MLAA, so we want to avoid any kind of
license complications. Hope current one is good for Fedora, if not
please tell, and we'll see what we can do!

Cheers,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:30 PM
To: jorge@iryoku.com
Subject: Question about Mesa MLAA license

Jorge,

Thanks for all of your fantastic graphics work! I have been auditing
Fedora (a popular distribution of Linux) for license compliance and I
came across your MLAA code in Mesa.

The license says:

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   "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
   Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."

   Only for use in the Mesa project, this point 2 is filled by naming the
   technique Jimenez's MLAA in the Mesa config options.

That wording is unclear. When you say "Only for use in the Mesa project...", it seems like you could either be saying:

- This code may only be used as part of Mesa.

OR

- In Mesa, you can comply with clause 2 by simply selecting "Jimenez's MLAA" in the Mesa config options.

*****

If the first item is true, then we may have to remove the MLAA code from Fedora's copy of Mesa. However, looking at the license on your SMAA code, I do not believe it to be the case. Please let me know either way!

Thanks in advance,

Tom Callaway
Fedora Legal

==
Fedora Project

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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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```
Component       Location               License
```

```
Main Mesa code    src/mesa/       Mesa (MIT)

Device drivers    src/mesa/drivers/*    MIT, generally

Ext headers       include/GL/glext.h     Khronos
                  include/GL/glxext.h

C11 thread       include/c11/threads*.h  Boost (permissive)
emulation
</pre>

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</div>
</body>
</html>

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1.475 jcl-over-slf4j 1.7.26

1.476 bzip2 1.0.8-r1
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Julian Seward, jseward@acm.org
bzip2/libbzip2 version 1.0.8 of 13 July 2019

-------------------------------------------------------------------------

1.477 apache-xerces 2.9.1

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Before building Xerces, you need the source package and tools package available from the Apache XML Project's distribution web page:

http://xml.apache.org/dist/xerces-j/

Download both the Xerces-J-src.X.Y.Z.zip and Xerces-J-tools.X.Y.Z.zip files for the appropriate Xerces release (where "X.Y.Z" is the version number) and extract them in the same directory. If you are using Unix, download the equivalent .tar.gz files instead of the .zip files.

You also need to have a Java Development Kit (JDK) version 1.2 (or higher) installed on your system. Before initiating any part of the build, set the JAVA_HOME environment variable to the installation directory of your JDK.

The Ant program is used to build everything in Xerces, including the documentation. This tool, and the others needed (besides the pre-requisite JDK) are contained within the tools package. To make building the packages easier, a Windows batch file and a Unix shell script are included.

If you only want to compile the source code and make the JAR files, run the following command on Windows:

    build.bat jars

or from Unix (make sure that build.sh is executable):

    build.sh jars

This will compile all of the source code and generate the JAR files that are available as part of the binary package. After building, these files will be located in the build/ directory.

If you want to build everything, including the documentation,
run the build batch file (or shell script) specifying the "all"
target instead of "jars".

1.478 cracklib 2.9.0-11.el7
1.478.1 Available under license :

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

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

That's all there is to it!
This package was debianized by Jean Pierre LeJacq
<jplejacq@quoininc.com> on Wed, 25 Feb 1998. Martin Pitt
<martin@piware.de> was the package's maintainer up to version 2.7.19-1. The current maintainer is Jan Dittberner
<jandd@debian.org>.

It was downloaded from http://sourceforge.net/projects/cracklib
Copyright (c) 1993 Alec Muffett <alecm@crypto.dircon.co.uk>,
Copyright (c) 2005-2009 Nathan Neulinger <nneul@umr.edu>,
Copyright (c) 2008-2009 Jan Dittberner <jan@dittberner.info>

Modifications: Added cronjob, configuration file, and man pages.

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obtain it by writing to the Free Software Foundation, Inc., 51
Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.

Copyright information:

CrackLib was originally licensed with a variant of the Artistic
license. In the interests of wider acceptance and more modern
licensing, it was switched with the original author's blessing to GPL
v2.

This approval was carried out in email discussions in 2005, and has
been reconfirmed as of 2007-10-01 with the following email from Alec
Muffett. Cracklib's license was changed from the GPL to the LGPL after
consensus of all previous developers in October 2008, effective with
release 2.8.15 released on 2009-11-19. See the email discussion below
for both license changes.

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-----------
EFFECTIVE OCT 2008, LICENSE IS BEING CHANGED TO LGPL-2.1 (though not reflected
in released code until Nov 2009 - slow release cycle...)
-----------

Discussion thread from mailing list archive, with approval from everyone actively
involved or holding original licensing rights included.
Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:33

On Monday 01 October 2007, Neulinger, Nathan wrote:
> I understand that, and you're welcome to bring it up with Alec directly

--- Nathan
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Nathan Neulinger EMail: nneul@um...
University of Missouri - Rolla Phone: (573) 341-6679
UMR Information Technology Fax: (573) 341-4216

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> [mailto:cracklib-devel-bounces@li...] On Behalf Of
> Mike Frysinger
> Sent: Monday, October 01, 2007 8:15 PM
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From: Neulinger, Nathan <nneul@um...> - 2007-10-02 01:46
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Re: [Cracklib-devel] cracklib license
From: Alec Muffett <alecm@cr...> - 2007-10-02 08:57

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I am sympathetic. Guys, what do you reckon?

What I am hearing so far is that LGPL makes sense, since it can be
linked with any code, not just GPL....

-a

Re: [Cracklib-devel] cracklib license
From: Devin Reade <gdr@gm...> - 2007-10-02 15:04

I would like to see it under LGPL as well. I think it is in everyone's
best interests to have as secure systems as possible, and I think tainting
it via GPL will just make it less likely that the library gets used, and
will not usually cause companies/developers to GPL the dependent code
(where it is not already GPL).
I like GPL, I use it when I can, but I don't think that it's the correct license in this situation.

Devin
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If it's sinful, it's more fun.

Re: [Cracklib-devel] cracklib license
From: Nalin Dahyabhai <nalin@...> - 2008-01-28 16:32
On Tue, Oct 02, 2007 at 09:57:31AM +0100, Alec Muffett wrote:
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> linked with any code, not just GPL...

My apologies for not chiming in in anything resembling a reasonable timeframe.

I'd also suggest the LGPL, for the reason you noted above. Alternately, GPLv2 with the option of using the library under a later version of the GPL would permit applications which were released under version 3 of the GPL to use the library, too, which would be sufficient for the packages which are included in Fedora. FWIW, I'd personally lean toward LGPL.

In any case, I thank you both for working on sorting this out.

Cheers,

Nalin

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-05 21:27

Attachments: Message as HTML
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looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make
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-mike

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> the change now ?

yes. go for it. thanks++

-a

Re: [Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML
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> >
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> > make the change now ?


> yes. go for it. thanks++

Nathan Neulinger is the only one who can actually make said change ...
-mike

--------
BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.
--------

CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

-------------------------------------
From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
 Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC(6.0.3790.3959);
 Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
 by scanim-ipv4.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id l91Gxpr020623
 for <nneul@umr.edu>; Mon, 01 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
 by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
 for <nneul@neulinger.org>; Mon,  1 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3])
 by rutherford.zen.co.uk with esmtp (Exim 4.50)
id 11cOcX-0004Qt-6L
 for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)
[Cracklib-devel] cracklib license
From: Mike Frysinger <vapier@ge...> - 2007-10-02 01:16

Attachments: Message as HTML
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From: Mike Frysinger <vapier@ge...> - 2008-10-25 22:34

Attachments: Message as HTML
On Sunday 05 October 2008, Alec Muffett wrote:
>> In any case, I thank you both for working on sorting this out.
>
> looks like everyone is OK with LGPL-2.1 (GNU Lesser license), so can we make the change now?
>
> yes. go for it. thanks++
Nathan Neulinger is the only one who can actually make said change ...

-mike

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BELOW IS ORIGINAL LICENSING DISCUSSION RE CHANGING TO GPL from Artistic.
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CrackLib was originally licensed with a variant of the Artistic license. In the interests of wider acceptance and more modern licensing, it was switched with the original author's blessing to GPL v2.

This approval was carried out in email discussions in 2005, and has been reconfirmed as of 2007-10-01 with the following email from Alec Muffett.

The below email references nneul@umr.edu address, as that is the address that was used at the time. For any future emails regarding this, please use nneul@neulinger.org.

-------------------------------------
From alecm@crypticide.com Mon Oct  1 12:26:03 2007
Received: from umr-exproto2.cc.umr.edu ([131.151.0.192]) by UMR-CMAIL1.umr.edu with Microsoft SMTPSVC (6.0.3790.3959);
   Mon, 1 Oct 2007 12:26:03 -0500
Received: from scansrv2.srv.mst.edu ([131.151.1.114]) by umr-exproto2.cc.umr.edu with Microsoft SMTPSVC (6.0.3790.3959);
   Mon, 1 Oct 2007 12:26:02 -0500
Received: (qmail 8022 invoked from network); 1 Oct 2007 16:59:55 -0000
Received: from smtp1.srv.mst.edu (131.151.1.43)
   by scanin-ipvs.cc.umr.edu with SMTP; 1 Oct 2007 16:59:55 -0000
Received: from spunkymail-mx8.g.dreamhost.com (mx1.spunky.mail.dreamhost.com [208.97.132.47])
   by smtp1.srv.mst.edu (8.13.1/8.13.1) with ESMTP id I91Gxtpr020623
   for <nneul@umr.edu>; Mon, 1 Oct 2007 11:59:55 -0500
Received: from rutherford.zen.co.uk (rutherford.zen.co.uk [212.23.3.142])
   by spunkymail-mx8.g.dreamhost.com (Postfix) with ESMTP id 2C7734D311
   for <nneul@neulinger.org>; Mon, 1 Oct 2007 09:59:50 -0700 (PDT)
Received: from [82.68.43.14] (helo=[192.168.1.3])
   by rutherford.zen.co.uk with esmtp (Exim 4.50)
id I1cOcX-0004Qt-6L
   for nneul@neulinger.org; Mon, 01 Oct 2007 16:59:49 +0000
Mime-Version: 1.0 (Apple Message framework v752.2)
In-Reply-To: <1b1b3fd80710010908k11dac0afp1f2dd471059ff9a4@mail.gmail.com>
References: <1190922867.3457.147.camel@localhost.localdomain>
The license for my code in the Cracklib distribution is henceforth GPL.

Happy now? :-)

-a

---

1.479 snappy 1.1.0

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1.480 jetty-jndi 9.4.18.v20190429

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Open Source Used In Cisco Unified Contact Center Express 12.5(1) SU2 4147
Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

1.481 tomcat-servlet-api 8.0.43
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The original XML Schemas for Java EE Deployment Descriptors:
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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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1.485 protobuf-java 3.0.2

1.486 libunistring 0.9.3 9.el7

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Benoit Sigoure <tsuna@google.com>
Bogdan Piloca <boo@google.com>
Chandler Carruth <chandlere@google.com>
Dave MacLachlan <dmaclach@gmail.com>
David Anderson <danderson@google.com>
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Ajay Joshi <jaj@google.com>
Balzs Dn <balazs.dan@gmail.com>
Bharat Mediratta <bharat@menalto.com>
Chandler Carruth <chandlerc@google.com>
Chris Prince <cprince@google.com>
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1.493 commons-codec 1.12

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### 1.494 jackson 2.12.0

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1.495 coverage 3.6b3
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Metadata-Version: 1.1
Name: coverage
Version: 3.6b3
Summary: Code coverage measurement for Python
Home-page: http://nedbatchelder.com/code/coverage/3.6b3
Author: Ned Batchelder and others
Author-email: ned@nedbatchelder.com
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Description: Coverage.py measures code coverage, typically during test execution. It uses the code analysis tools and tracing hooks provided in the Python standard library to determine which lines are executable, and which have been executed.

Coverage.py runs on Python 2.3 through 3.3, and PyPy 1.9.

Documentation is at `nedbatchelder.com <http://nedbatchelder.com/code/coverage/3.6b3>`_. Code repository and issue tracker are at `bitbucket.org <http://bitbucket.org/ned/coveragepy>`_.

New in 3.6: ``--fail-under``, and >20 bugs closed.

New in 3.5: Branch coverage exclusions, keyboard shortcuts in HTML report.

New in 3.4: Better control over source to measure, and unexecuted files can be reported.

New in 3.3: .coveragerc files.

New in 3.2: Branch coverage!

Keywords: code coverage testing
Platform: UNKNOWN
Classifier: Environment :: Console
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
Classifier: Operating System :: OS Independent
Classifier: Programming Language :: Python :: 2
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*
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 * Date: 5/15/2008
 * @projectDescription Advanced and extensible data dumping for Javascript.
 * @version 1.0.0
 * @author Ariel Flesler
 * @link {http://flesler.blogspot.com/2008/05/jsdump-pretty-dump-of-any-javascript.html}
 */
/
/
* Javascript Diff Algorithm
* By John Resig (http://ejohn.org/)
* Modified by Chu Alan "sprite"
*
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*
* More Info:
* http://ejohn.org/projects/javascript-diff-algorithm/
* Usage: QUnit.diff(expected, actual)
*
* QUnit.diff("the quick brown fox jumped over", "the quick fox jumps over") == "the quick <del>brown </del> fox <del>jumped </del><ins>jumps </ins> over"
*/

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1.503 jcl-over-slf4j 1.7.30

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1.504 jackson-databind 2.10.2

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### 1.505 go-runtime 1.14.5

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Aamir Khan <syst3m.w0rm@gmail.com>
Aaron Beitch <aaronb@arista.com>
Aaron Bieber <deftly@gmail.com>
Aaron Cannon <cannona@fireantproductions.com>
Aaron France <aaron.l.france@gmail.com>
Aaron Jacobs <jacobsa@google.com>
Aaron Jensen <jensen.aaro@gmail.com>
Aaron Kemp <kemp.aaron@gmail.com>
Aaron Patterson <tenderlove@ruby-lang.org>
Aaron Sheah <aaronsheah@gmail.com>
Aaron Stein <aaronstein12@gmail.com>
Aaron Torres <tcboox@gmail.com>
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Aarti Parikh <aarti.parikh@gmail.com>
Abdullah Al Maruf <mymail.maruf@gmail.com>
Abe Haskins <abeisgreat@abeisgreat.com>
Abhinav Gupta <abhinav.g90@gmail.com>
Adam Azarchs <adam.azarchs@10xgenomics.com>
Adam Bender <abender@google.com>
Adam Eijdenberg <adam@continusec.com>
Adam Harvey <aharvey@php.net>
Adam Kisala <adam.kisala@gmail.com>
Adam Langley <agl@golang.org>
Adam Medzinski <adam.medzinski@gmail.com>
Adam Mitha <adam.mitha@gmail.com>
Adam Shannon <adamkshannon@gmail.com>
Adam Shelton <aashelt90@gmail.com>
Adam Sindelar <adamsh@google.com>
Adam Thomason <athomason@gmail.com>
Adam Williams <pwnfactory@gmail.com>
Adam Woodbeck <adam@woodbeck.net>
Adam Ravichandran <adarshravichandran91@gmail.com>
Adel Rodriguez <adel.rodriguez@leftfieldlabs.com>
Adin Scannell <ascannell@google.com>
Aditya Harindar <aditya.harindar@gmail.com>
Aditya Mukerjee <dev@chimeracoder.net>
Adrian Hesketh <adrianhesketh@hushmail.com>
Adrian Nos <nos.adrian@gmail.com>
Adrian O'Grady <elpollouk@gmail.com>
Adrien Bustany <adrien-xx-google@bustany.org>
Adrien Delorme <adrien.delorme@icloud.com>
Adrien Petel <peteladrien@gmail.com>
Acio Jnior <aeciodantasjunior@gmail.com>
Andrew Bonventre <andybons@chromium.org>
Andrew Braunstein <awbraunstein@gmail.com>
Andrew Bursavich <abursavich@gmail.com>
Andrew Ekstedt <andrew.ekstedt@gmail.com>
Andrew Etter <andrew.etter@gmail.com>
Andrew G. Morgan <agm@google.com>
Andrew Gerrand <adg@golang.org>
Andrew Harding <andrew@spacemonkey.com>
Andrew Jackura <ajackura@google.com>
Andrew Kemm <andrewkemm@gmail.com>
Andrew Louis <alouis@digitalocean.com>
Andrew Lutomirski <andy@luto.us>
Andrew Medvedev <andrew.y.medvedev@gmail.com>
Andrew Pilloud <andrewpilloud@igneoussystems.com>
Andrew Pogrebnoy <absourd.noise@gmail.com>
Andrew Poydence <apoydence@pivotal.io>
Andrew Pritchard <awpritchard@gmail.com>
Andrew Radev <andrey.radev@gmail.com>
Andrew Skiba <skibaa@gmail.com>
Andrew Stormont <astormont@racktopsystems.com>
Andrew Stribblehill <ads@wompom.org>
Andrew Szeto <andrew@jabagawee.com>
Andrew Todd <andrew.todd@wework.com>
Andrew Werner <andrew@upthere.com> <awerner32@gmail.com>
Andrew Wilkins <axwalk@gmail.com>
Andrew Williams <williams.andrew@gmail.com>
Andrew Z Allen <me@andrewzallen.com>
Andrey Bokhanko <andreybokhanko@gmail.com>
Andrey Mirtchovski <mirtchovski@gmail.com>
Andrey Petrov <andrey.petrov@shazow.net>
Andrii Soldatenko <andrii.soldatenko@gmail.com>
Andrii Soluk <isoluchok@gmail.com>
Andrii Lytvynov <lytvynov.a.v@gmail.com>
Andrzej eel <andrzej.zhezhel@gmail.com>
Andy Balholm <andy@balholm.com>
Andy Davis <andy@bigandian.com>
Andy Finkenstadt <afinkenstadt@zynga.com>
Andy Lindeman <andy@lindeman.io>
Andy Maloney <asmalone@gmail.com>
Andy Pan <panjl2000@gmail.com> <panjl2000@golangcn.org> <i@andypan.me>
Andy Walker <walkeraj@gmail.com>
Andy Wang <cbeuw.andyc@gmail.com>
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Ayzat Sadykov <ayzat.ziko.93@gmail.com>
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Bartosz Oler <brtsz@google.com>
Bassam Ojeil <bojeil@gmail.com>
Bastian Ike <bastian.ike@gmail.com>
Ben Burkert <ben@benburkert.com>
Ben Cartwright-Cox <Ben@Benjojo.co.uk>
Ben Eitzen <eitzenb@golang.org>
Ben Fried <ben.fried@gmail.com>
Ben Haines <bhainesva@gmail.com>
Ben Hoyt <bemasc@gmail.com>
Ben Hutchings <ben.hutchings@essensium.com>
Ben Kraft <benkraft@khanacademy.org>
Ben Laurie <ben@links.org> <benl@google.com>
Ben Lubar <ben.lubar@gmail.com>
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Brett Merrill <brett.j.merrill94@gmail.com>
Brian Dellisanti <briandellisanti@gmail.com>
Brian Downs <brian.downs@gmail.com>
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Brian G. Merrell <bgmerrell@gmail.com>
Brian Gitonga Marete <marete@toshnix.com> <bgmarete@gmail.com> <bgm@google.com>
Brian Kennedy <btkennedy@gmail.com>
Brian Kessler <brian.m.kessler@gmail.com>
Brian Ketelsen <bketelsen@gmail.com>
Brian Slesinsky <skybrian@gmail.com>
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Bryan C. Mills <bcmills@gmail.com>
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Burak Guven <bguven@gmail.com>
Caine Tighe <arctanofyourface@gmail.com>
Caio Marcelo de Oliveira Filho <caio.oliveira@intel.com>
Caleb Martinez <accounts@calebmartinez.com>
Caleb Spare <cespare@gmail.com>
Carl Chatfield <carlchatfield@gmail.com>
Carl Henrik Lunde <chlunde@ifi.uio.no>
Carl Jackson <carl@stripe.com>
Carl Johnson <me@carljohnson.net>
Carl Mastrangelo <notcarl@gmail.com>
Carl Menezes <carleeto@gmail.com>
Carl Shapiro <cshapiro@gmail.com> <cshapiro@golang.org>
Carlisia Campos <carlisia@grokkingtech.io>
Carlo Alberto Ferraris <cafxx@strayorange.com>
Carlos Alexandre Becker <caarlso@github.com>
Carlos Amedee <carlos@golang.org>
Carlos Castillo <cookie9@gmail.com>
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Carlos Eduardo Seo <cseo@linux.vnet.ibm.com>
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Case Nelson <case.nelson@gmail.com>
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Catalin Patulea <catalinp@gmail.com>
Cathal O'Callaghan <cathalocallaghan@gmail.com>
Cedric Staub <cs@squareup.com>
Cezar S Espinola <cezarsa@gmail.com>
Chad Rosier <mrosier@qualcommdatcenter.com>
ChaiShushan <chaiShushan@gmail.com>
Changkun Ou <hi@changkun.us>
Channing Kimble-Brown <channing@golang.org>
Chao Xu <xuchao@gmail.com>
Charles Fenwick Elliott <Charles@FenwickElliott.io>
Charles Kenney <charles@kenney@gmail.com>
Charles L. Dorian <cldorian@gmail.com>
Charles Lee <zombie.fml@gmail.com>
Charles Weill <weill@google.com>
Charlie Moog <moogcharlie@gmail.com>
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Chen Zhidong <njustz@gmail.com>
Chen Zhihan <energiehund@gmail.com>
Cherry Mui <cherryyz@gmail.com>
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Garrick Evans <garrick@google.com>
Garry McNulty <garrmcnu@gmail.com>
Gary Burd <gary@beagledreams.com> <gary.burd@gmail.com>
Gary Elliott <garyelliott@gmail.com>
Gaurav Singh <gaurav1086@gmail.com>
Gaurish Sharma <contact@gaurishsharma.com>
Gautham Thambidorai <gautham.dorai@gmail.com>
Gauthier Jolly <gauthier.jolly@gmail.com>
Gawen Arab <gawen.arab@c.zen.ly>
Geert-Johan Riemer <gjr19912@gmail.com>
Genevieve Luyt <genevieve.luyt@gmail.com>
Gengliang Wang <ltwgl@gmail.com>
Geoff Berry <gberry.qdt@ qualcommdatacenter.com>
Geoffroy Lorieux <lorieux.g@gmail.com>
Geon Kim <geon0250@gmail.com>
Georg Reinke <guelfey@gmail.com>
George Gkirtsou <ggkirtsou@gmail.com>
George Hartzell <hartzell@alerce.com>
George Shammas <george@shamm.as> <georgyo@gmail.com>
George Tsilias <tsiliasg@gmail.com>
Gerasimos (Makis) Maropoulos <kataras2006@hotmail.com>
Gerasimos Dimitriadis <gedimitr@gmail.com>
Gergely Brautigam <skarlso777@gmail.com>
Gernot Vormayr <gvormayr@gmail.com>
Gert Cuylens <gert.cuylens@gmail.com>
Getulio Snehez <valentin2507@gmail.com>
Ghazni Nattarshah <ghazni.nattarshah@gmail.com>
Gianguido Sora` <g.sora4@gmail.com>
Gideon Jan-Wessel Redelinghuys <gjredelinghuys@gmail.com>
Giles Lean <giles.lean@pobox.com>
Giovanni Bajo <rasky@develer.com>
GitHub User @180909 (70465953) <734461790@qq.com>
GitHub User @6543 (24977596) <6543@obermui.de>
GitHub User @aca (50316549) <acadx0@gmail.com>
GitHub User @ajnrp (1688456) <ajnrp@users.noreply.github.com>
GitHub User @ajz01 (4744634) <ajzdenek@gmail.com>
GitHub User @alkesh26 (1019076) <alkesh26@gmail.com>
GitHub User @qcrao (7698088) <qcrao91@gmail.com>
GitHub User @ramenjuniti (32011829) <ramenjuniti@gmail.com>
GitHub User @saitarunreddy (21041941) <saitarunreddypalla@gmail.com>
GitHub User @SataQu (9354727) <shidaqiu2018@gmail.com>
GitHub User @shogo-ma (9860598) <Choroma194@gmail.com>
GitHub User @sivchari (55221074) <shibuuuu5@gmail.com>
GitHub User @skanehira (7888591) <sho19921005@gmail.com>
GitHub User @soolaugust (10558124) <soolaugust@gmail.com>
GitHub User @surechen (7249331) <surechen17@gmail.com>
GitHub User @tatsumack (4510569) <tatsu.mack@gmail.com>
GitHub User @tell-k (26263) <ffk2005@gmail.com>
GitHub User @tennashi (10219626) <tennashio@gmail.com>
GitHub User @uhei (2116845) <uhei@users.noreply.github.com>
GitHub User @uji (49834542) <uijiprog@gmail.com>
GitHub User @unbyte (5772358) <i@shangyes.net>
GitHub User @uropek (39370426) <uropek@gmail.com>
GitHub User @utkarsh-extc (53217283) <utkarsh.extc@gmail.com>
GitHub User @witchard (4994659) <witchard@hotmail.co.uk>
GitHub User @wolf1996 (5901874) <ksgiv37@gmail.com>
GitHub User @yah01 (12216890) <kagaminehuan@gmail.com>
GitHub User @yuanhh (1298735) <yuan415030@gmail.com>
GitHub User @zikaeroh (48577114) <zikaeroh@gmail.com>
GitHub User @ZZMarquis (7624583) <zhonglingjian3821@163.com>
Giulio Iotti <dullgiulio@gmail.com>
Giulio Micheloni <giulio.micheloni@gmail.com>
Giuseppe Valente <gvalente@arista.com>
Gleb Stepanov <glebstepanov1992@gmail.com>
Glenn Brown <glenb@google.com>
Glenn Lewis <gmilewis@x.com>
Gordon Klaus <gordon.klaus@gmail.com>
Gordon Tyler <gordon@doxx.net>
Grace Han <shgrace503@gmail.com>
Graham King <graham4king@gmail.com>
Graham Miller <graham.miller@gmail.com>
Grant Griffiths <gpp493@gmail.com>
Green Lightning <GreenLightning.git@googlemail.com>
Greg Poirier <greg.istehbest@gmail.com>
Greg Steuck <gnezd0+github@google.com>
Greg Thelen <gthelen@gmail.com>
Greg Ward <greg@gerg.ca>
Grgoire Delattre <gregoire.delattre@gmail.com>
Gregory Man <man.gregory@gmail.com>
Gregory Petrosyan <gregory.petrosyan@gmail.com>
Guilherme Caruso <gui.martinscaruso@gmail.com>
Guilherme Garnier <guilherme.garnier@gmail.com>
Guilherme Goncalves <guilhermeaugustosg@gmail.com>
Guilherme Rezende <guilhermebr@gmail.com>
Guilherme Souza <32180229+gqgs@users.noreply.github.com>
Open Source Used In Cisco Unified Contact Center Express 12.5(1) SU2

Jaroslavas Poepko <jp@webmaster.ms>
Jason A. Donenfeld <Jason@zx2c4.com>
Jason Baker <jason-baker@users.noreply.github.com>
Jason Barnett <jason.w.barnett@gmail.com>
Jason Buberel <jbuberel@gmail.com>
Jason Chu <jasonchujc@gmail.com>
Jason Del Ponte <delponte@gmail.com>
Jason Hall <jasonhall@gmail.com>
Jason Keene <jasonkeene@gmail.com>
Jason LeBrun <jblebrun@gmail.com>
Jason Smale <jsmale@zendesk.com>
Jason Travis <infomaniac7@gmail.com>
Jason Wangsadinata <jwangsadinata@gmail.com>
Javier Kohen <jkohen@gmail.com>
Javier Revillas <jrevillas@massivedynamic.io>
Javier Segura <javism@gmail.com>
Jay Chen <chenjie@chenjie.info>
Jay Conrod <jayconrod@gmail.com>
Jay Lee <BusyJayLee@gmail.com>
Jay Taylor <outttttime@gmail.com>
Jay Weisskopf <jay@jayschwa.net>
Jean de Klerk <deklirk@gmail.com>
Jean-Andr Santoni <jean.andre.santoni@gmail.com>
Jean-Francois Bustarret <jf@bustarret.com>
Jean-Francois Cantin <jfcantin@gmail.com>
Jean-Marc Eurin <jmeurin@gmail.com>
Jean-Nicolas Moal <jn.moal@gmail.com>
Jed Denlea <jed@fastly.com>
Jdrzej Szczepaniak <jbszczepaniak@gmail.com>
Jeet Parekh <jeetparekh96@gmail.com>
Jeevanandam M <jeeva@myjeeva.com>
Jeff (Zhefu) Jiang <jeffjiang@gmail.com>
Jeff Craig <jeffcraig@gmail.com>
Jeff Dupont <jeff.dupont@gmail.com>
Jeff Hodges <jeff@somethingsimilar.com>
Jeff Johnson <jrjohnson@gmail.com>
Jeff R. Allen <jra@nella.org> <jeff.allen@gmail.com>
Jeff Sickel <jas@corpus-callosum.com>
Jeff Wendling <jeff@spacemonkey.com>
Jeff Widman <jeff@jeffwidman.com>
Jeffrey H <jeffreyh192@gmail.com>
Jelte Fennema <github-tech@jeltef.nl>
Jens Frederich <jf@bustarret.com>
Jeremiah Harmsen <jeremiah@google.com>
Jeremy Banks <jeremy.ca>
Jeremy Canady <jcanady@gmail.com>
Jeremy Faller <jeremy@golang.org>
Jeremy Jackins <jeremyjackins@gmail.com>
Mark Adams <mark@markadams.me>
Mark Bucciarelli <mkbucc@gmail.com>
Mark Dain <mark@markdain.net>
Mark Glines <mark@glines.org>
Mark Harrison <marhar@google.com>
Mark Percival <m@mdp.im>
Mark Pulford <mark@kyne.com.au>
Mark Rushakoff <mark.rushakoff@gmail.com>
Mark Ryan <mark.d.ryan@intel.com>
Mark Severson <miquella@gmail.com>
Mark Theunissen <mark.theunissen@gmail.com>
Mark Villacampa <m@markvillacampa.com>
Mark Wolfe <mark@wolfe.id.au>
Mark Zavislak <zavislak@gmail.com>
Marko Juhani Silokunnas <marko.silokunnas@gmail.com>
Marko Kevac <marko@kevac.org>
Marko Kungla <marko.kungla@gmail.com>
Marko Mikulicic <mkm@google.com>
Marko Mudrinic <mudrinic.mare@gmail.com>
Marko Tiikkaja <marko@joh.to>
Markus Duft <markus.duft@salomon.at>
Markus Sonderegger <marraison@gmail.com>
Markus Zimmermann <zimmski@gmail.com>
Marten Seemann <martenseemann@gmail.com>
Martin Asquino <martin.asquino@gmail.com>
Martin Bertschler <mbertschler@gmail.com>
Martin Garton <garton@gmail.com>
Martin Habbecke <marhab@gmail.com>
Martin Hamrle <martin.hamrle@gmail.com>
Martin Hoefling <martin.hoefling@gmx.de>
Martin Kreichgauer <martinkr@google.com>
Martin Kunc <martinkunc@users.noreply.github.com>
Martin Lindhe <martin.j.lindhe@gmail.com>
Martin Mohrmann <moehrmann@gmail.com> <martisch@uos.de>
Martin Neubauer <m.ne@gmx.net>
Martin Olsen <github.com@martinolsen.net>
Martin Olsson <martin@minimum.se>
Martin Probst <martin@probst.io>
Martin Sucha <santi.sk+git@gmail.com>
Martin Tournoij <martin@arp242.net>
Martins Sipenko <martins.sipenko@gmail.com>
Martynas Budrinas <mabu@google.com>
Marvin Stenger <marvin.stenger94@gmail.com>
Marwan Sulaiman <marwan.sulaiman@work.co>
Maryan Hratson <gmarik@gmail.com>
Masahiro Furudate <masahiro.furudate@gmail.com>
Masahiro Wakame <vvakame@gmail.com>
Masaki Yoshida <yoshida.masaki@gmail.com>
Rob Norman <rob.norman@infinitycloud.com>
Rob Phoenix <rob@robphoenix.com>
Rob Pike <r@golang.org>
Robert Ayrapetyan <robert.ayrapetyan@gmail.com>
Robert Daniel Kortschak <dan.kortschak@adelaide.edu.au> <dan@kortschak.io>
Robert Dinu <r@varp.se>
Robert Figueiredo <robfig@gmail.com>
Robert Griesemer <gri@golang.org>
Robert Hencke <robert.hencke@gmail.com>
Robert Iannucci <iannucci@google.com>
Robert Kuska <kuska@gmail.com>
Robert Obryk <robryk@gmail.com>
Robert Sesek <rsesek@gmail.com>
Robert Snedegar <roberts@google.com>
Robert Stepanek <robert.stepanek@gmail.com>
Robert van Gent <rvangent@google.com>
Robert-Andr Mauchin <zebob.m@gmail.com>
Roberto Clapis <roblap8@gmail.com>
Roberto Selbach <roberto@selbach.ca>
Robin Eklind <r.eklind.87@gmail.com>
Robin Zhong <robin@robinzhong.co>
Rodolfo Carvalho <rhcarvalho@gmail.com>
Rodolfo Rodriguez <rodolfobgibson@gmail.com>
Rodrigo Moraes de Oliveira <rodrigo.moraes@gmail.com>
Rodrigo Rafael Monti Kochenburger <divoxx@gmail.com>
Roger Pau Monn <royger@gmail.com>
Roger Peppe <rogpeppe@gmail.com>
Rohan Challa <rohan@golang.org>
Rohan Verma <rohanverma2004@gmail.com>
Rohith Ravi <entombedvirus@gmail.com>
Roland Illig <roland.illig@gmx.de>
Roland Shoemaker <rolandshoemaker@gmail.com>
Romain Baugue <romain.baugue@elwinar.com>
Roman Budnikov <romanyx90@yandex.ru>
Roman Kollr <roman.kollar.0@gmail.com>
Roman Shchekin <mrqtrros@gmail.com>
Ron Hashimoto <mail@h2so5.net>
Ron Minnich <rminnich@gmail.com>
Ronnie Ebrin <ebrin.ronnie@protonmail.com>
Ross Chater <rdchater@gmail.com>
Ross Kinsey <rosskinsey@gmail.com>
Ross Light <light@google.com> <rlight2@gmail.com>
Ross Smith II <ross@smithii.com>
Rowan Marshall <rowanajmarshall@gmail.com>
Rowan Worth <rsweek@gmail.com>
Rudi Kramer <rudi.kramer@gmail.com>
Rui Ueyama <ruui@gmail.com>
Ruixin Bao <ruixin.bao@ibm.com>
Santiago De la Cruz <51337247+xhit@users.noreply.github.com>
Sarah Adams <shadams@google.com>
Sardorbek Pulatov <sardorbek.pulatov@outlook.com>
Sascha Brawer <sascha@brawer.ch>
Sasha Lionheart <lionhearts@google.com>
Sasha Sobol <sasha@scaledinference.com>
Satoru Kitaguchi <rule.the.fate.myfirststory@gmail.com>
Scott Barron <scott.barron@github.com>
Scott Bell <scott@scotts.com>
Scott Cotton <scott@mindowl.com>
Scott Crunkleton <crunk1@gmail.com>
Scott Ferguson <scottwferg@gmail.com>
Scott Lawrence <bytbox@gmail.com>
Scott Mansfield <smansfield@netflix.com>
Scott Ragan <ragansa@fb.com>
Scott Schwartz <scotts@golang.org>
Scott Van Woudenberg <scottvw@gmail.com>
Sean Burford <sburford@gmail.com>
Sean Chen <ooohcode@gmail.com>
Sean Chittenden <seanc@joyent.com>
Sean Christopherson <sean.j.christopherson@intel.com>
Sean Dolphin <Sean.Dolphin@kpcompass.com>
Sean Harger <sharger@gmail.com>
Sean Harrington <sean.harrington@leftfieldlabs.com>
Sean Hildebrand <seanwhildebrand@gmail.com>
Sean Liao <seankhliao@gmail.com>
Sean Rees <sean@erifax.org>
Sebastiaan van Stijn <github@gone.nl>
Sebastian Chlopecki <sebsebmc@gmail.com>
Sebastian Kinne <skinne@google.com>
Sebastian Schmidt <yath@gmail.com>
Sebastien Binet <seb.binet@gmail.com>
Sbastien Paolacci <sebastien.paolacci@gmail.com>
Sebastien Williams-Wynn <sebastien@cytora.com>
Segev Finer <segev208@gmail.com>
Seiji Takahashi <timaki.st@gmail.com>
Sergei Lemeshkin <sergeilem@gmail.com>
Sergei Skorobogatov <skorobo@rambler.ru>
Sergei Zagurskii <gvozdoder@gmail.com>
Sergey 'SnakeE' Gromov <snake.scaly@gmail.com>
Sergey Arseev <sergey.arseev@intel.com>
Sergey Dobrodey <sergey.dobrodey@synesis.ru>
Sergey Frolov <sfrolov@gmail.com>
Sergey Glushchenko <gs serge@gmail.com>
Sergey Ivanov <ser1325@gmail.com>
Sergey Kacheev <S.Kacheev@gmail.com>
Sergey Lukjanov <me@slukjanov.name>
Sergey Mishin <sergeymishine@gmail.com>
Timo Savola <timo.savola@gmail.com>
Timo Truyts <alkaloid.btx@gmail.com>
Timothy Gu <timothygu99@gmail.com>
Timothy Studd <tim@timstudd.com>
Tipp Moseley <tipp@google.com>
Tiwei Bie <tiwei btw@antgroup.com>
Tobias Assarsson <tobias.assarsson@gmail.com>
Tobias Columbus <tobias.columbus@gmail.com> <stobias.columbus@googlemail.com>
Tobias Klauser <tklauser@distanz.ch>
Tobias Kohlbau <tobias@kohlbau.de>
Toby Burress <kurin@google.com>
Todd Kulesza <tkulesza@gmail.com>
Todd Neal <todd@tneal.org>
Todd Wang <toddwang@gmail.com>
Tom Anthony <git@tomanthony.co.uk>
Tom Bergan <tombergan@google.com>
Tom Freudenberg <tom.freudenberg@4commerce.de>
Tom Heng <zhm20070928@gmail.com>
Tom Lanyon <tomlanyon@google.com>
Tom Levy <tomlevy93@gmail.com>
Tom Limoncelli <tal@whatexit.org>
Tom Linford <tomlinford@gmail.com>
Tom Panton <tom@tomandtally.co.uk>
Tom Parkin <tom.parkin@gmail.com>
Tom Payne <twpayne@gmail.com>
Tom Szymanski <tgs@google.com>
Tom Thorogood <me+google@tomthorogood.co.uk>
Tom Wilkie <tom@weave.works>
Tom Zierbock <tomzierbock@gmail.com>
Tomas Dabasinskas <tomas@dabasinskas.net>
Tommy Schaefer <tommy.schaefer@teecom.com>
Tomohiro Kusumoto <zabio1192@gmail.com>
Tomoya Ishizaki <zaq1tomo@gmail.com>
Tonis Tiigi <tonistiigi@gmail.com>
Tony Reix <tony.reix@bull.net>
Tony Walker <walkert.uk@gmail.com>
Tooru Takahashi <tooru.takahashi134@gmail.com>
Tor Andersson <tor.andersson@gmail.com>
Torben Schinke <storben.schinke@neotos.de>
Tormod Erevik Lea <tormodlea@gmail.com>
Toshihiro Shiino <shiino.toshihiro@gmail.com>
Toshiki Shima <hayabusa1419@gmail.com>
Totoro W <tw19881113@gmail.com>
Travis Bischel <travis.bischel@gmail.com>
Travis Cline <travis.cline@gmail.com>
Trevor Dixon <trevordixon@gmail.com>
Trevor Strohman <trevor.strohman@gmail.com>
Trey Lawrence <lawrence.trey@gmail.com>
Yoshiyuki Kanno <nektoroh@gmail.com> <yoshiyuki.kanno@stoic.co.jp>
Yoshiyuki Mineo <yoshiyuki.mineo@gmail.com>
Yosuke Akatsuka <yosuke.akatsuka@gmail.com>
Youfu Zhang <zhangyoufu@gmail.com>
Yu Heng Zhang <annita.zhang@cn.ibm.com>
Yu Xuan Zhang <zyxsh@cn.ibm.com>
Yu, Li-Yu <afg984@gmail.com>
Yuichi Kishimoto <yk2220s@google.com>
Yuichi Nishiwaki <yuichi.nishiwaki@gmail.com>
Yuji Yaginuma <yuji.yaginuma@gmail.com>
Yuki Ito <mreno110y@gmail.com>
Yuki OKUSHI <huyumi.dev@gmail.com>
Yuki Yugui Sonoda <yugui@google.com>
Yukihiro Nishinaka <6elpinal@gmail.com>
YunQiang Su <syq@debian.org>
Yury Smolsky <yury@smolsky.by>
Yusuke Kagiwada <block.rxckin.beats@gmail.com>
Yuusei Kuwana <kuwana@kumama.org>
Yuval Pavel Zholkover <paulzhol@gmail.com>
Yves Junqueira <yvesj@google.com> <yves.junqueira@gmail.com>
Zac Bergquist <zbergquist99@gmail.com>
Zach Bintliff <zbintliff@gmail.com>
Zach Gershman <zachgersh@gmail.com>
Zach Hoffman <zrhoffman@apache.org>
Zach Jones <zachj1@gmail.com>
Zachary Amsden <zach@thundertoken.com>
Zachary Gershman <zgershman@pivotal.io>
Zak <zrjknull@gmail.com>
Zakatell Kanda <hi@zkanda.io>
Zellyn Hunter <zellyn@squareup.com> <zellyn@gmail.com>
Zev Goldstein <zev.goldstein@gmail.com>
Zhang Boyang <zhangboyang.id@gmail.com>
Zheng Dayu <davidzheng23@gmail.com>
Zheng Xu <zheng.xu@arm.com>
Zhengyu He <hzy@google.com>
Zhongpeng Lin <zp.lin@uber.com>
Zhongtao Chen <chenzhongtao@126.com>
Zhongwei Yao <zhongwei.yao@arm.com>
Zhou Peng <p@ctriple.cn>
Ziad Hatahet <hatahet@gmail.com>
Ziheng Liu <lzhfromustc@gmail.com>
Zizhao Zhang <btw515wolf2@gmail.com>
Zorion Arrizabalaga <zorionk@gmail.com>
Zvonimir Pavlinovic <zpavlinovic@google.com>
Zyad A. Ali <zyad.ali.me@gmail.com>
<a.maksadbek@gmail.com>
<max.faceless.frei@gmail.com>
<hagen1778@gmail.com>
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@end enumerate

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This program comes with ABSOLUTELY NO WARRANTY; for details type @samp{show w}.
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creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

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

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

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.
7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

    a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

    b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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

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

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

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

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Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

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

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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

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

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under
copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.
You may copy and distribute the Library (or a portion or
derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany
it with the complete corresponding machine-readable source code, which
must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
distribute the source code, even though third parties are not
compelled to copy the source along with the object code.

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

However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

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

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

6. As an exception to the Sections above, you may also compile or
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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable “work that uses the Library”, as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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Appendix: How to Apply These Terms to Your New Libraries

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

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* /opt/ cola/ permits/1135840412_1613612879.55/0/spring-tx-4-3-29-release-sources-1-jar/org/springframework/dao/support/PersistenceExceptionTranslationInterceptor.java
* /opt/ cola/ permits/1135840412_1613612879.55/0/spring-tx-4-3-29-release-sources-1-jar/org/springframework/transaction/annotation/ProxyTransactionManagementConfiguration.java
* /opt/ cola/ permits/1135840412_1613612879.55/0/spring-tx-4-3-29-release-sources-1-jar/org/springframework/transaction/config/TxAdviceBeanDefinitionParser.java
* /opt/ cola/ permits/1135840412_1613612879.55/0/spring-tx-4-3-29-release-sources-1-jar/org/springframework/jca/work/WorkManagerTaskExecutor.java
* /opt/ cola/ permits/1135840412_1613612879.55/0/spring-tx-4-3-29-release-sources-1-jar/org/springframework/transaction/interceptor/TransactionAspectSupport.java

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* /opt/ cola/ permits/1135840412_1613612879.55/0/spring-tx-4-3-29-release-sources-1-jar/org/springframework/transaction/interceptor/NameMatchTransactionAttributeSource.java
* /opt/ cola/ permits/1135840412_1613612879.55/0/spring-tx-4-3-29-release-sources-1-jar/org/springframework/jca/context/SpringContextResourceAdapter.java
* /opt/ cola/ permits/1135840412_1613612879.55/0/spring-tx-4-3-29-release-sources-1-jar/org/springframework/jca/work/jboss/BossWorkManagerTaskExecutor.java
* /opt/ cola/ permits/1135840412_1613612879.55/0/spring-tx-4-3-29-release-sources-1-jar/org/springframework/transaction/support/SmartTransactionObject.java
* /opt/ cola/ permits/1135840412_1613612879.55/0/spring-tx-4-3-29-release-sources-1-
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* /opt/cola/permits/1135840412_1613612879.55/0/spring-tx-4-3-29-release-sources-1-
  jar/org/springframework/transaction/interceptor/TransactionAttributeSourcePointcut.java
* /opt/cola/permits/1135840412_1613612879.55/0/spring-tx-4-3-29-release-sources-1-
  jar/org/springframework/transaction/event/ApplicationListenerMethodTransactionalAdapter.java
* /opt/cola/permits/1135840412_1613612879.55/0/spring-tx-4-3-29-release-sources-1-
  jar/org/springframework/jca/ccci/core/support/CommAreaRecord.java
* /opt/cola/permits/1135840412_1613612879.55/0/spring-tx-4-3-29-release-sources-1-
  jar/org/springframework/jca/ccci/connection/CciLocalTransactionManager.java
* /opt/cola/permits/1135840412_1613612879.55/0/spring-tx-4-3-29-release-sources-1-
  jar/org/springframework/jca/ccci/connection/ConnectionSpecConnectionFactoryAdapter.java
1.523 gdbm 1.13 r1

1.524 guava 20.0

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1.526 jersey-server 2.25.1

1.527 asm 5.0.3
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*/
/**
* Creates a new {@link AnalyzerAdapter}. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the
* {@link #AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
* version.
* *
* @param owner
* the owner's class name.
* @param access
* the method's access flags (see {@link Opcodes}).
* @param name
* the method's name.
* @param desc
* the method's descriptor (see {@link Type}).
* @param mv
* the method visitor to which this adapter delegates calls. May
```
be <tt>null</tt>.

@throws IllegalStateException
   If a subclass calls this constructor.

*/

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 */

/**
 * Creates a new {@link GeneratorAdapter}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * {@link #GeneratorAdapter(int, MethodVisitor, int, String, String)}
 * version.
 *
 * @param mv
 *    the method visitor to which this adapter delegates calls.
 * @param access
the method's access flags (see \{@link Opcodes\}).

* @param name
* the method's name.

* @param desc
* the method's descriptor (see \{@link Type Type\}).

* @throws IllegalStateException
* If a subclass calls this constructor.

/**

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 */
/**
 * Creates a new JSRInliner. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * [JSRInlinerAdapter(int, MethodVisitor, int, String, String, String[], String[]])
 * version.
 *
 * @param mv
 * the <code>MethodVisitor</code> to send the resulting inlined
 * method code to (use <code>null</code> for none).
 * @param access
 * the method's access flags (see [Opcodes]). This
 * parameter also indicates if the method is synthetic and/or
 * deprecated.
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see [Type]).
 */
** @param signature
**     the method's signature. May be \texttt{null}.
** @param exceptions
**     the internal names of the method's exception classes (see
**     \{ \@link Type\#getInternalName() getInternalName \}). May be
**     \texttt{null}.
** @throws IllegalStateException
**     If a subclass calls this constructor.
**/

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/**
* Constructs a new \{ \@link LocalVariableAnnotationNode \}. \textit{Subclasses must
* not use this constructor}. Instead, they must use the
* \{ \@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)\}
* version.
*
* @param typeRef
* a reference to the annotated type. See {@link TypeReference}.
* @param typePath
* the path to the annotated type argument, wildcard bound, array
* element type, or static inner type within 'typeRef'. May be
* &lt;tt>null&lt;/tt&gt; if the annotation targets 'typeRef' as a whole.
* @param start
* the first instructions corresponding to the continuous ranges
* that make the scope of this local variable (inclusive).
* @param end
* the last instructions corresponding to the continuous ranges
* that make the scope of this local variable (exclusive). This
* array must have the same size as the 'start' array.
* @param index
* the local variable's index in each range. This array must have
* the same size as the 'start' array.
* @param desc
* the class descriptor of the annotation class.
*/

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* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/util/package.html
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/package.html
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/analysis/package.html
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/package.html
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/signature/package.html
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/package.html
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 */
/**
 * Constructs a new [Textifier]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the [<Textifier(int)>]
 * version.
 *
 * @throws IllegalStateException
 *
 * @method
 * @return
 * @param
 * @see
 * @since
 *
 */

Found in path(s):
*/opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/util/Textifier.java

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 */
/**
 * Constructs a new [@link ClassNode]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the [@link ClassNode(int)]
 * version.
 *
 * @throws IllegalStateException
 *          If a subclass calls this constructor.
 */

Found in path(s):
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/ClassNode.java
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*/opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/util/ASMifiable.java
*/opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/util/Textifiable.java
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* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/xml/SAXClassAdapter.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/xml/SAXAdapter.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/xml/SAXCodeAdapter.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/xml/ASMContentHandler.java
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* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/optimizer/ClassOptimizer.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/tree/analysis/Value.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/commons/StaticInitMerger.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/optimizer/MethodConstantsCollector.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/Label.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/Item.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/optimizer/ClassOptimizer.java
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/analysis/Value.java

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* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/optimizer/shrink.properties
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/optimizer/shrink-writer.properties
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/optimizer/shrink-resize.properties
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/optimizer/shrink-signatures.properties
* /opt/cola/permits/1135840046_1613613019.19/0/asm-5-0-3-sources-7-jar/org/objectweb/asm/optimizer/shrink-annotations.properties
1.528 generex 1.0.2

1.528.1 Available under license:

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```xml
  <modelVersion>4.0.0</modelVersion>
  <groupId>com.github.mifmif</groupId>
  <artifactId>generex</artifactId>
  <version>1.0.2</version>
  <name>Generex</name>
  <url>https://github.com/mifmif/Generex/tree/master</url>
  <description>Generex A Java Library for regex to Strings generation</description>
  <licenses>
    <license>
      <name>The Apache Software License, Version 2.0</name>
      <url>http://www.apache.org/licenses/LICENSE-2.0.txt</url>
      <distribution>repo</distribution>
    </license>
  </licenses>
  <developers>
    <developer>
      <id>mifmif</id>
      <name>MIFRAH Youssef</name>
      <email>mifmif.com@gmail.com</email>
    </developer>
    <developer>
      <id>mkolisnyk</id>
      <name>mkolisnyk</name>
      <email>kolesnik.nickolay@gmail.com</email>
    </developer>
  </developers>
  <parent>
    <groupId>org.sonatype.oss</groupId>
    <artifactId>oss-parent</artifactId>
    <version>7</version>
  </parent>
  <properties>
    <project.build.sourceEncoding>UTF-8</project.build.sourceEncoding>
    <maven.pmd.excludes>**/generated-sources/**</maven.pmd.excludes>
  </properties>
</project>
```
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<scm>
<connection>scm:git:git@github.com:mifmif/Generex.git</connection>
<developerConnection>scm:git:git@github.com:mifmif/Generex.git</developerConnection>
<url>https://github.com/mifmif/Generex.git</url>
</scm>
<ciManagement>
<url>https://travis-ci.org/mifmif/Generex/builds</url>
<system>Travis</system>
<notifiers>
<notifier>
<address>mifmif.com@gmail.com</address>
<type>mail</type>
<notifier>
<address>kolesnik.nickolay@gmail.com</address>
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</notifiers>
</ciManagement>
<distributionManagement>
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</excludes>
</resource>
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</resource>
<resource>
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<scmCommentPrefix>#3</scmCommentPrefix>
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</plugin>

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<artifactId>maven-deploy-plugin</artifactId>
<version>2.8.2</version>
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<artifactId>maven-source-plugin</artifactId>
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</execution>
</executions>
</plugin>

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</plugin>

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<artifactId>nexus-staging-maven-plugin</artifactId>
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<nexusUrl>https://oss.sonatype.org/</nexusUrl>
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<executions>
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<goals>
<goal>check</goal>
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  <configuration>
    <failOnViolation>true</failOnViolation>
    <excludes>**/test/java/**/*java</excludes>
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    <suppressionsLocation>/checkstyle-suppressions.xml</suppressionsLocation>
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  </executions>
</plugin>

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  <groupId>org.codehaus.mojo</groupId>
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  <version>2.6</version>
  <configuration>
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<artifactId>findbugs-maven-plugin</artifactId>
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<failOnError>true</failOnError>
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</configuration>
<executions>
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<goals>
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</plugin>
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<artifactId>jdepend-maven-plugin</artifactId>
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</plugin>
</plugins>
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<dependency>
<groupId>junit</groupId>
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<version>4.12</version>
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<artifactId>hamcrest-junit</artifactId>
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</project>

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* /opt/cola/permits/1000610466_1606952086.17/0/generex-1.0.2-sources-1-jar/META- INF/maven/com.github.mifmif/generex/pom.xml
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* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/Generex.java
* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/Node.java
* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/util/Iterator.java
* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/Main.java
* /opt/cola/permits/1000610466_1606952086.17/0/generex-1-0-2-sources-1-jar/com/mifmif/common/regex/util/Iterable.java

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cost of physically performing source distribution, a complete
machine-readable copy of the corresponding source code, to be
distributed under the terms of Sections 1 and 2 above on a medium
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The source code for a work means the preferred form of the work for
making modifications to it. For an executable work, complete source
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associated interface definition files, plus the scripts used to
control compilation and installation of the executable. However, as a
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END OF TERMS AND CONDITIONS

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possible use to the public, the best way to achieve this is to make it
free software which everyone can redistribute and change under these terms.

To do so, attach the following notices to the program. It is safest
to attach them to the start of each source file to most effectively
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under certain conditions; type `show c' for details.

The hypothetical commands `show w' and `show c' should show the appropriate
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necessary. Here is a sample; alter the names:

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

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

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In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)
Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
whether or not they are linked directly with the Library itself.

6. As an exception to the Sections above, you may also combine or
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a) Accompany the work with the complete corresponding
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Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
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to use the modified definitions.)

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copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

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specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.
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Upstream Authors: Douglas Gilbert <dgilbert at interlog dot com>,
Bruce Allen <ballen at gravity dot phys dot uwm dot edu>,
Peter Allworth <linsol at zeta dot org dot au>,
James Bottomley <jejb at parisc-linux dot org>,
Lars Marowsky-Bree <lmb at suse dot de>,
Kurt Garloff <garloff at suse dot de>,
Grant Grundler <grundler at parisc-linux dot org>,
Christophe Varoqui <christophe dot varoqui at free dot fr>,
Michael Weller <eowmob at exp-math dot uni-essen dot de>,
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Upstream Authors: Douglas Gilbert <dgilbert at interlog dot com>,
Bruce Allen <ballen at gravity dot phys dot uwm dot edu>,
Peter Allworth <linsol at zeta dot org dot au>,
James Bottomley <jejb at parisc-linux dot org>,
Lars Marowsky-Bree <lmb at suse dot de>,
Kurt Garloff <garloff at suse dot de>,
Grant Grundler <grundler at parisc-linux dot org>,
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* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
  jar/org/springframework/expression/spel/InternalParseException.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
  jar/org/springframework/expression/spel/support/StandardOperatorOverloader.java
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  jar/org/springframework/expression/spel/SpelEvaluationException.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
  jar/org/springframework/expression/spel/ast/OpNE.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
  jar/org/springframework/expression/spel/ast/OpEQ.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
  jar/org/springframework/expression/spel/ast/LongLiteral.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
  jar/org/springframework/expression/spel/ast/BooleanLiteral.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
  jar/org/springframework/expression/spel/SpelMessage.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
  jar/org/springframework/expression/BeanResolver.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
  jar/org/springframework/expression/EvaluationException.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
  jar/org/springframework/expression/spel/support/ReflectivePropertyAccessor.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
  jar/org/springframework/expression/spel/standard/TokenKind.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
  jar/org/springframework/expression/ExpressionException.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
  jar/org/springframework/expression/spel/ast/FLOAT_LITERAL.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
  jar/org/springframework/expression/spel/ast/INT_LITERAL.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
  jar/org/springframework/expression/ParseException.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
  jar/org/springframework/expression/spel/SpelParseException.java

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  jar/org/springframework/expression/spel/ast/QualifiedIdentifier.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
  jar/org/springframework/expression/spel/SpelCompilerMode.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
  jar/org/springframework/expression/spel/OperatorPower.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
  jar/org/springframework/expression/spel/ast/OpOr.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
  jar/org/springframework/expression/spel/OperatorBetween.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
  jar/org/springframework/expression/spel/support/StandardTypeComparator.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
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  jar/org/springframework/expression/spel/ast/AstUtils.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
  jar/org/springframework/expression/spel/CompilablePropertyAccessor.java
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  jar/org/springframework/expression/spel/ast/ValueRef.java
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  jar/org/springframework/expression/spel/ast/VariableReference.java

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* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
jar/org/springframework/expression/spel/ast/SpelNodeImpl.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
jar/org/springframework/expression/spel/ast/SpelNodeImpl.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
jar/org/springframework/expression/spel/ast/SpelParserConfiguration.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
jar/org/springframework/expression/spel/ast/SpelParserConfiguration.java
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* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
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* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
jar/org/springframework/expression/spel/ast/OpMultiply.java
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jar/org/springframework/expression/spel/ast/OpMultiply.java
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jar/org/springframework/expression/spel/ast/Selection.java
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jar/org/springframework/expression/spel/ast/OpMultiply.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
jar/org/springframework/expression/spel/ast/ConstructorReference.java
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jar/org/springframework/expression/spel/ast/Selection.java
* /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
jar/org/springframework/expression/spel/ast/OpMultiply.java
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jar/org/springframework/expression/spel/ast/ConstructorReference.java
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    jar/org/springframework/expression/spel/ast/OpModulus.java

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  * /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
    jar/org/springframework/expression/TypeLocator.java
  * /opt/cola/permits/1111391507_1606905889.28/0/spring-expression-4-3-14-release-sources-1-
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  jar/io/netty/channel/pool/DefaultMaxMessagesRecvByteBufAllocator.java
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  jar/io/netty/channel/pool/ChannelPool.java
* /opt/ws_local/PERMITS_SQL/1072989928_1595248338.52/0/netty-transport-4-1-39-final-sources-
  jar/io/netty/channel/pool/AbstractChannelPoolHandler.java
* /opt/ws_local/PERMITS_SQL/1072989928_1595248338.52/0/netty-transport-4-1-39-final-sources-
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 */
/**
 * Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
 * its { @link ChannelPipeline}.  
 *
 * <h3>Sub-types</h3>
 *
 * @link ChannelHandler itself does not provide many methods, but you usually have to implement one of its
 * subtypes:
 *
 * <ul>
 * <li>{@link ChannelInboundHandler} to handle inbound I/O events, and</li>
 * <li>{@link ChannelOutboundHandler} to handle outbound I/O operations.</li>
 * </ul>
 *
 */

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* Alternatively, the following adapter classes are provided for your convenience:
* <ul>
* <li>{@link ChannelInboundHandlerAdapter} to handle inbound I/O events,</li>
* <li>{@link ChannelOutboundHandlerAdapter} to handle outbound I/O operations, and</li>
* <li>{@link ChannelDuplexHandler} to handle both inbound and outbound events</li>
* </ul>
* </p>
* For more information, please refer to the documentation of each subtype.
* </p>

* <h3>The context object</h3>

* A {@link ChannelHandler} is provided with a{@link ChannelHandlerContext} object. A {@link ChannelHandler} is supposed to interact with the
* {@link ChannelPipeline} it belongs to via a context object. Using the
* context object, the {@link ChannelHandler} can pass events upstream or
* downstream, modify the pipeline dynamically, or store the information
* (using{@link AttributeKey}s) which is specific to the handler.
* 
* <h3>State management</h3>

* A {@link ChannelHandler} often needs to store some stateful information.
* The simplest and recommended approach is to use member variables:
* <pre>
* public interface Message {
*     // your methods here
* }
*
* public class DataServerHandler extends {@link SimpleChannelInboundHandler}&lt;Message&gt; {
*     
*     <b>private boolean loggedIn;</b>
*     
*     {<code>@code @Override</code>
*     public void channelRead0(<code>{@link ChannelHandlerContext} ctx, Message message</code>) {
*         if (message instanceof LoginMessage) {
*             authenticate((LoginMessage) message);
*             <b>loggedIn = true;</b>
*         } else (message instanceof GetDataMessage) {
*             if (<b>loggedIn</b>) {
*                 ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
*             } else {
*                 fail();
*             }
*         }
*     }
* }
* ...
Because the handler instance has a state variable which is dedicated to
one connection, you have to create a new handler instance for each new
channel to avoid a race condition where a unauthenticated client can get
the confidential information:

// Create a new handler instance per channel.
// See {@link ChannelInitializer#initChannel(Channel)}.
public class DataServerInitializer extends {@link ChannelInitializer}&lt;{@link Channel}&gt; {  
   {@code @Override}
   public void initChannel({@link Channel} channel) {  
       channel.pipeline().addLast("handler", &lt;b&gt;new DataServerHandler()&lt;/b&gt;);
   }
}

Using {@link AttributeKey}s

Although it's recommended to use member variables to store the state of a
handler, for some reason you might not want to create many handler instances.
In such a case, you can use {@link AttributeKey}s which is provided by
{@link ChannelHandlerContext}:

public interface Message {
    // your methods here
}

{@code @Sharable}
public class DataServerHandler extends {@link SimpleChannelInboundHandler}&lt;Message&gt; {  
    private final {@link AttributeKey}&lt;{@link Boolean}&gt; auth =  
        {@link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")};

    {@code @Override}
    public void channelRead({@link ChannelHandlerContext} ctx, Message message) {  
        {@link Attribute}&lt;{@link Boolean}&gt; attr = ctx.attr(auth);
        if (message instanceof LoginMessage) {  
            authenticate((LoginMessage) o);
            &lt;b&gt;attr.set(true)&lt;/b&gt;;
        } else (message instanceof GetDataMessage) {  
            if (&lt;b&gt;Boolean.TRUE.equals(attr.get())&lt;/b&gt;) {  
                ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
            } else {  
                fail();
            }
        }
    }
}

...
Now that the state of the handler is attached to the `{@link ChannelHandlerContext}`, you can add the same handler instance to different pipelines:

```
public class DataServerInitializer extends `{@link ChannelInitializer}`<{@link Channel}> {

    private static final DataServerHandler <b>SHARED</b> = new DataServerHandler();

    {@code @Override}
    public void initChannel({@link Channel} channel) {
        channel.pipeline().addLast("handler", <b>SHARED</b>);
    }
}
```

<h4>The `{@code @Sharable}` annotation</h4>

In the example above which used an `{@link AttributeKey}`, you might have noticed the `{@code @Sharable}` annotation. If a `{@link ChannelHandler}` is annotated with the `{@code @Sharable}` annotation, it means you can create an instance of the handler just once and add it to one or more `{@link ChannelPipeline}`s multiple times without a race condition.

If this annotation is not specified, you have to create a new handler instance every time you add it to a pipeline because it has unshared state such as member variables.

This annotation is provided for documentation purpose, just like a href="http://www.javaconcurrencyinpractice.com/annotations/doc/" the JCIP annotations</a>. Additional resources worth reading</h3>
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1.542 genson 1.3

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1.543 e2fsprogs 1.42.9 10.el7

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Index: tdbsa/tdb.c

===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
/
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
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Theodore Ts'o
23-June-2007

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

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

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when it starts in an interactive mode:

Gnomovision version 69, Copyright (C) year name of author
Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
This is free software, and you are welcome to redistribute it
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The hypothetical commands `show w' and `show c' should show the appropriate
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school, if any, to sign a "copyright disclaimer" for the program, if
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`Gnomovision' (which makes passes at compilers) written by James Hacker.

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

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-----------------------------------------------------------------------------

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Version 2, June 1991

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[This is the first released version of the library GPL. It is
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Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.
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Section 6 states terms for distribution of such executables.

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derivative work of the Library even though the source code is not.
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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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

That's all there is to it!
# This is a Makefile stub which handles the creation of BSD shared libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image::$(BSD_LIB)

$(BSD_LIB): $(OBJS)
$(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(/BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \`echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(/BSD_LIB)
This is the Debian GNU/Linux prepackaged version of the EXT2 file system utilities (e2fsck, mke2fs, etc.). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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Gadi Oxman, August 1995

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</td><td width="50%">
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Docs for:
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Miscellaneous
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<div class="section">
<h1>Meritocracy</h1>
<blockquote>
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</blockquote>
<p>All contributions are welcome (see the <a href=".././participating/index.html" title="Information on participating in the development of Cactus.">Participating</a> page). The final decision of what becomes part of the official distribution is made by a group of <a href="#committers">Committers</a>. For more about Meritocracy, see the <a href="http://jakarta.apache.org/site/roles.html" title="">Management page</a> on the Apache Jakarta Website.</p>
</div>

<div class="section">
<h1>Source code contributors</h1>
<blockquote>
<ul>
<li><a href="mailto:vmassol@apache.org" title="">Vincent Massol</a></li>
</ul>
</blockquote>
</div>
<li><a href="mailto:paston@bea.com" title="">Philip Aston</a></li>
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<li><a href="mailto:Jason.Robertson@acs-inc.com" title="">Jason Robertson</a></li>
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<li>
  Matt Sullivan
</li>

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<a href="mailto:alan@digitalmonkey.co.uk" title="">Alan Perfect</a>
</li>

<li>
<a href="mailto:jruaux@octo.com" title="">Julien Ruaux</a>
</li>

<li>
<a href="mailto:cmlenz@gmx.de" title="">Christopher Lenz</a>
</li>

<ul>
<li>
<a href="mailto:vmassol@octo.com" title="">Vincent Massol</a>
</li>
</ul>
Special thanks

Thanks to all that have reported bugs or suggested ideas for Cactus.

Thanks to all that are participating to the Cactus Logo competition.

And, of course ...
Thanks to the [Apache Jakarta](http://jakarta.apache.org/) project for accepting the donation of J2EEUnit (renamed Cactus), thus giving it a home and more importantly a family.

More about us

-- Committer

I started designing internet applications in 1998, when I joined [OCTO Technology](http://www.octo.com), an Information System Architecture Consulting company, providing expert IT Solutions and Application Architects in the field of new technologies (Application Servers, EAI, Internet Relationship Management). Very soon, when working on customer projects, I introduced the concept of unit testing (using JUnit) as a good way of writing reliable code. Although it worked very well for unit testing "standard" java classes, it was much more difficult for classes that used container objects. Thus, I began developing a small generic framework to help unit test servlets. I improved the framework as I moved on, from customer to customer.

Until it was time to open source it! There were several drivers for that decision. As I spread the word about this framework within Octo, several octomen (and octowoman!) began using it and making modifications, and we ended up with several versions of it, making it difficult to
synchronize them (although it was good for the evolutionary and
darwinian side of it :) ). Another good reason was that I wanted to
have feedback from the open source community and wanted to get help
to improve it. Also, it was good to be able to provide to our
customers a framework that would continue to evolve and be maintained
even after we left the project. The last reason, maybe the strongest,
is that I have always been fond of
the open source concept and as Octo is providing consulting services,
it did not clash with our business model!

Thus, I moved the project to SourceForge and called it J2EEUnit. It
did well and more and more persons were downloading, participating
and using it.

Now, most Applications Servers, EAI solutions or IRM ones are
providing an infrastructure on which to build applications. But once
you've bought the server, you're far from being finished ... There is
the business logic code to write but there is also a lot of "glue" to
implement. These are technical frameworks like a Controller of the
MVC model, a logging framework, an XML-Java mapping one,
application configuration, localization, templating, ... And usually
these frameworks are not provided in the software package you buy.
And even if they are (logging for example), they are not best of
breed ones. For these frameworks, I have always been using open
source solutions so far (Struts, Log4j, Ant, ...). Thus, I was
lurking on Jakarta mailing-lists when I heard about a new project
starting, called "Commons" which was to be a place where common
components useful for several Jakarta projects would be found. I
thought the idea of having a server-side java unit testing framework
for Jakarta project (which are server side projects) was a good idea.
I proposed to donate J2EEUnit to the Apache Software Foundation ...
and I was lucky enough it was accepted! :-)

However, the J2EEUnit name was infringing on the Sun trademark on
J2EE so we had to change the name. It was changed to Cactus (see the
<a href=".././cactusname.html" title="Some background information about how Cactus got its name."">Why the
name?" page for why this
name). I found that in the move from SourceForge to Jakarta, I had
found a new home for Cactus but, more importantly, I had found a
family! The sense of Community is very strong on Jakarta. You can
feel right away the atmosphere and see it is different from other
places.
Then, thanks to Cactus growing community, our efforts were rewarded and Cactus was accepted as a Jakarta top level project, alongside the renowned Tomcat, Ant, Struts, ... waowww!

We are now busy improving Cactus and looking for help. The first step was to get Cactus up and running and demonstrate it worked and is useful. This step has been achieved (I hope :) ). The second step is now to build a community around Cactus and find persons who are willing to actively participate in the future of it. Unit testing has still not reached the mainstream of development practices but is in the process of doing so with increasing interest in lightweight (also called "Agile") methodologies like Extreme Programming (XP). On the other hand, java server side programming is becoming stronger every day. This is to say that there is a bright future ahead for Cactus and there is still everything to invent.

Although the project started as a one-man project, my goal has always been to relinquish as much as possible my hold on Cactus and make it a community-wide project. This is a work in progress and I am proud to say that I am no longer the only committer on the project and several persons have jumped aboard and are already helping shape Cactus future. Come and help us! :)

More info on my current open source involvements can be found [here](http://c2.com/cgi/wiki?VincentMassol).
I became involved in Cactus while co-authoring Java Tools for Extreme Programming. (See our resources section for details.) While researching the framework I found myself making some suggestions on the project's mailing list. One thing led to another, and now I am graced with committer status.

I currently work as a Technical Team Lead at eBlox, Inc., a consulting and ecommerce application development shop. Right now I lead development of the company's flagship online catalog system, storeBlox. As such, I'm always working on new ways to test J2EE components, and so my involvement with Cactus is natural.

I'm excited about Cactus 2.0, which we hope will usher in the next phase in in-container testing by providing a more abstract framework for interacting with a wider variety of containers (EJB, JMS, etc.).
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1.546 libgd 2.0.35-26

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* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-jar/javax/validation/metadata/ConstructorDescriptor.java
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* /opt/cola/permits/1110666980_1606842266.81/0/validation-api-1-1-0-final-sources-4-
jar/javax/validation/groups/ConvertGroup.java

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* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/.CtPrimitiveType.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/MethodInfo.java
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* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/Lex.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/bytecode/Executor.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/bytecode/MethodInfo.java
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* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/tools/reflect/CannotInvokeException.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/ConstantAttribute.java
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* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/stackmap/TypedBlock.java
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* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/ast/Member.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/expr/NewExpr.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/runtime/Desc.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/CtNewWrappedConstructor.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/util/proxy/FactoryHelper.java
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* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/CtConstructor.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/tools/rmi/ObjectNotFoundException.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/Mnemonic.java
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* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/Mnemonic.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/compiler/ast/CastExpr.java
* /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/EnclosingMethodAttribute.java
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 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/ByteMemberValue.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/EnumMemberValue.java
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 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/AnnotationMemberValue.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/IntegerMemberValue.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/StringMemberValue.java
 * /opt/cola/permits/1135869399_1613618193.6/0/javassist-3-25-0-ga-sources-3-jar/javassist/bytecode/annotation/LongMemberValue.java
1.552 tre 5.4.2.Final

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* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/java.xml/bind/util/Messages.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/java.xml/bind/PrintConversionEvent.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/java.xml/bind/DatatypeConverter.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/java.xml/bind/helpers/AbstractUnmarshallerImpl.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/java.xml/bind/ValidationException.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/java.xml/bind/JAXBException.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/java.xml/bind/UnmarshalException.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/java.xml/bind/helpers/AbstractMarshallerImpl.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/java.xml/bind/DatatypeConverterInterface.java
No license file was found, but licenses were detected in source scan.
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Found in path(s):
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/adapters/CollapsedStringAdapter.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/XmlValue.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/JAXBElement.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/XmlElementRef.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/XmlNs.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/adapters/XmlAdapter.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/XmlAttribute.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/XmlID.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/XmlNsForm.java
* /opt/cola/permits/1000760720_1646171551.91/0/jaxb-api-2-1-sources-jar/javax/xml/bind/annotation/JAXBIntrospector.java
...
1.556 zlib 1.2.11

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/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.2.11, January 15th, 2017

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

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1.557 findutils 4.5.11 6.el7

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  jar/org/jivesoftware/smack/sasl/javax/SASLJavaXSmackInitializer.java

**
* Support for the oracle proprietary join syntax...
*
* @return The oracle join fragment
*/

Found in path(s):
* /opt/cola/permits/1139217066_1614469553.35/0/hibernate-3-2-5-ga-sources-1-
  jar/org/hibernate/dialect/Oracle8iDialect.java

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/**
* Do not add an item to the cache unless the current transaction
* timestamp is later than the timestamp at which the item was
* invalidated. (Otherwise, a stale item might be re-added if the
* database is operating in repeatable read isolation mode.)
* For versioned data, don't add the item unless it is the later
* version.
*/

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  jar/org/hibernate/cache/EhCacheProvider.java
* /opt/cola/permits/1139217066_1614469553.35/0/hibernate-3-2-5-ga-sources-1-
  jar/org/hibernate/cache/EhCache.java

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  jar/org/hibernate/exception/Nestable.java
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  jar/org/hibernate/exception/NestableRuntimeException.java
* /opt/cola/permits/1139217066_1614469553.35/0/hibernate-3-2-5-ga-sources-1-
  jar/org/hibernate/exception/NestableException.java
* /opt/cola/permits/1139217066_1614469553.35/0/hibernate-3-2-5-ga-sources-1-
  jar/org/hibernate/exception/NestableDelegate.java
* /opt/cola/permits/1139217066_1614469553.35/0/hibernate-3-2-5-ga-sources-1-
  jar/org/hibernate/util/SerializationHelper.java
* /opt/cola/permits/1139217066_1614469553.35/0/hibernate-3-2-5-ga-sources-1-
  jar/org/hibernate/exception/ExceptionUtils.java

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/**
 * TransactionManagerLookup implementation intended for use with WebSphere
 * Application Server (WAS).
 * <p/>
 * WAS, unlike every other app server on the planet, does not allow direct
 * access to the JTS TransactionManager. Instead, for common transaction-
 * related tasks users must utilize a proprietary API known as
 * ExtendedJTATransaction.
 * <p/>
 * Even more unfortunate, the exact TransactionManagerLookup to use inside of
 * WAS is highly dependent upon (1) WAS version as well as (2) the WAS
 * container in which Hibernate will be utilized.
 * <p/>
 * WebSphereExtendedJTATransactionLookup is reported to work on WAS version 6
 * in any of the standard J2EE/JEE component containers.
 * <p/>
 * @author Gavin King
 * @author <a href="mailto:jesper@udby.com">Jesper Udby</a>
 */

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  jar/org/hibernate/transaction/WebSphereExtendedJTATransactionLookup.java
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* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/support/nativejdbc/SimpleNativeJdbcExtractor.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/support/AbstractInterruptibleBatchPreparedStatementSetter.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/simple/AbstractJdbcInsert.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/datasource/lookup/BeanFactoryDataSourceLookup.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/simple/AbstractJdbcInsertOperations.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/metadata/CallParameterMetaData.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/namedparam/SqlParameterSourceUtils.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/support/incrementer/DataFieldMaxValueIncrementer.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/metadata/DerbyTableMetaDataProvider.java

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/**<p>[@link LobHandler] implementation for Oracle databases. Uses proprietary API
* to create <code>oracle.sql.BLOB</code> and <code>oracle.sql.CLOB</code>
* instances, as necessary when working with Oracle's JDBC driver.
* Note that this LobHandler requires Oracle JDBC driver 9i or higher!</p>*
*<p>While most databases are able to work with [@link DefaultLobHandler],
* Oracle just accepts Blob/Clob instances created via its own proprietary
* BLOB/CLOB API, and additionally doesn't accept large streams for
* PreparedStatement's corresponding setter methods. Therefore, you need
* to use a strategy like this LobHandler implementation.</p>*
*<p>Needs to work on a native JDBC Connection, to be able to cast it to
* <code>oracle.jdbc.OracleConnection</code>. If you pass in Connections from a
* connection pool (the usual case in a J2EE environment), you need to set an
* appropriate [@link org.springframework.jdbc.support.nativejdbc.NativeJdbcExtractor]
* to allow for automatical retrieval of the underlying native JDBC Connection.
* LobHandler and NativeJdbcExtractor are separate concerns, therefore they
* are represented by separate strategy interfaces.</p>*
*<p>Coded via reflection to avoid dependencies on Oracle classes.</p>*
* Even reads in Oracle constants via reflection because of different Oracle
* drivers (classes12, ojdbc14, ojdbc5, ojdbc6) having different constant values!
* As this LobHandler initializes Oracle classes on instantiation, do not define
* this as eager-initializing singleton if you do not want to depend on the Oracle
* JAR being in the class path: use "lazy-init=true" to avoid this issue.
*<p>@author Juergen Hoeller
* @author Thomas Risberg
* @since 04.12.2003
* @see #setNativeJdbcExtractor
* @see oracle.sql.BLOB
* @see oracle.sql.CLOB
*/

Found in path(s):
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-
  jar/org/springframework/jdbc/support/lob/OracleLobHandler.java
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*/
/**
/**
* Abstraction for handling large binary fields and large text fields in
* specific databases, no matter if represented as simple types or Large OBjects.
* Its main purpose is to isolate Oracle's peculiar handling of LOBs in
* [@link OracleLobHandler]: most other databases should be able to work
* with the provided [@link DefaultLobHandler].
*
* <p>Provides accessor methods for BLOBs and CLOBs, and acts as factory for
* LobCreator instances, to be used as sessions for creating BLOBs or CLOBs.
* LobCreators are typically instantiated for each statement execution or for
* each transaction; they are not thread-safe because they might track
* allocated database resources in order to free them after execution.
*
* <p>Most databases/drivers should be able to work with [@link DefaultLobHandler],
* which by default delegates to JDBC's direct accessor methods, avoiding the
* <code>java.sql.Blob</code> and <code>java.sql.Clob</code> API completely.
* [@link DefaultLobHandler] can also be configured to access LOBs using
* <code>PreparedStatement.setBlob/setClob</code> (e.g. for PostgreSQL), through
* setting the [@link DefaultLobHandler#setWrapAsLob "wrapAsLob"] property.
*
* <p>Unfortunately, Oracle 9i just accepts Blob/Clob instances created via its own
* proprietary BLOB/CLOB API, and additionally doesn't accept large streams for
* PreparedStatement's corresponding setter methods. Therefore, you need to use
* [@link OracleLobHandler] there, which uses Oracle's BLOB/CLOB API for both types
* of access. The Oracle 10g JDBC driver should basically work with
* [DefaultLobHandler] as well, with some limitations in terms of LOB sizes.
* 
* <p>Of course, you need to declare different field types for each database.
* In Oracle, any binary content needs to go into a BLOB, and all character content
* beyond 4000 bytes needs to go into a CLOB. In MySQL, there is no notion of a
* CLOB type but rather a LONGTEXT type that behaves like a VARCHAR. For complete
* portability, use a LobHandler for fields that might typically require LOBs on
* some database because of the field size (take Oracle's numbers as a guideline).
* 
* <p><b>Summarizing the recommended options (for actual LOB fields):</b>
* <ul>
* <li><b>JDBC 4.0 driver:</b> [DefaultLobHandler] with streamAsLob=true.
* <li><b>PostgreSQL:</b> [DefaultLobHandler] with wrapAsLob=true.
* <li><b>Oracle 9i/10g:</b> [OracleLobHandler] with a connection-pool-specific
*   [OracleLobHandler#setNativeJdbcExtractor NativeJdbcExtractor].
* <li>For all other database drivers (and for non-LOB fields that might potentially
*   turn into LOBs on some databases): a plain [DefaultLobHandler].
* </ul>
*
* @author Juergen Hoeller
* @since 23.12.2003
* @see DefaultLobHandler
* @see OracleLobHandler
* @see java.sql.ResultSet#getBlob
* @see java.sql.ResultSet#getClob
* @see java.sql.ResultSet#getBytes
* @see java.sql.ResultSet#getBinaryStream
* @see java.sql.ResultSet#getString
* @see java.sql.ResultSet#getAsciiStream
* @see java.sql.ResultSet#getCharacterStream
*

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*/
/**
 * Implement this interface when parameters need to be customized based  
 * on the connection. We might need to do this to make use of proprietary  
 * features, available only with a specific Connection type.  
 *  
 * @author Rod Johnson  
 * @author Thomas Risberg  
 * @see CallableStatementCreatorFactory#newCallableStatementCreator(ParameterMapper)  
 * @see org.springframework.jdbc.object.StoredProcedure#execute(ParameterMapper)  
 */
/**
 * Create a Map of input parameters, keyed by name.  
 * @param con JDBC connection. This is useful (and the purpose of this interface)  
 * if we need to do something RDBMS-specific with a proprietary Connection  
 * implementation class. This class conceals such proprietary details. However,  
 * it is best to avoid using such proprietary RDBMS features if possible.  
 * @throws SQLException if a SQLException is encountered setting  
 * parameter values (that is, there's no need to catch SQLException)  
 * @return Map of input parameters, keyed by name (never <code>null</code>)  
 */

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 */

/**
 * Close this LobCreator session and free its temporarily created BLOBs and CLOBs.
 * Will not need to do anything if using PreparedStatement's standard methods,
 * but might be necessary to free database resources if using proprietary means.
 * <p><b>NOTE</b>: Needs to be invoked after the involved PreparedStatements have
 * been executed or the affected O/R mapping sessions have been flushed.
 * Otherwise, the database resources for the temporary BLOBs might stay allocated.
 */

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  jar/org/springframework/jdbc/object/GenericStoredProcedure.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-
  jar/org/springframework/jdbc/object/GenericSqlQuery.java

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* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-
  jar/org/springframework/jdbc/core/SqlProvider.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-
jar/org/springframework/jdbc/core/CallableStatementCreator.java
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*/
/**
* Strategy interface for translating between [SQLException SQLExceptions]
* and Spring's data access strategy-agnostic [DataAccessException]
* hierarchy.
* <p>Implementations can be generic (for example, using
* [SQLException#SQLState() SQLState] codes for JDBC) or wholly
* proprietary (for example, using Oracle error codes) for greater precision.
* @author Rod Johnson
* @author Juergen Hoeller
* @see org.springframework.dao.DataAccessException
*/

Found in path(s):
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-
jar/org/springframework/jdbc/support/SQLExceptionTranslator.java
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  * /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/metadata/CallMetaDataContext.java
  * /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/datasource/DataSourceUtils.java
  * /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/config/EmbeddedDatabaseBeanDefinitionParser.java
  * /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/datasource/DataSourceTransactionManager.java
  * /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/metadata/Db2CallMetaDataProvider.java
  * /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/metadata/DerbyCallMetaDataProvider.java
  * /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/metadata/CallMetaDataContext.java
  * /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/metadata/Db2CallMetaDataProvider.java
  * /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/metadata/DerbyCallMetaDataProvider.java

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* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/datasource/embedded/OutputStreamFactory.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/simple/SimpleJdbcTemplate.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/BeanPropertyRowMapper.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/datasource/embedded/HsqlEmbeddedDatabaseConfigurer.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/simple/ParameterizedBeanPropertyRowMapper.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/StatementCreatorUtils.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/datasource/lookup/JsdiDataSourceLookup.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/simple/ParameterizedBeanPropertyRowMapper.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/datasource/embedded/ConnectionProperties.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/datasource/lookup/JsdiDataSourceLookup.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/StatementCreatorUtils.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/datasource/lookup/JsdiDataSourceLookup.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/datasource/lookup/JsdiDataSourceLookup.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/StatementCreatorUtils.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/datasource/lookup/JsdiDataSourceLookup.java
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* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/metadata/GenericCallMetaDataProvider.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/datasource/AbstractDataSource.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/support/xml/SqlXmlHandler.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/datasource/AbstractDataSource.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/support/xml/SqlXmlObjectMappingHandler.java
* /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/support/nativejdbc/CommonsDbcpNativeJdbcExtractor.java
The classes in this package make JDBC easier to use and reduce the likelihood of common errors. In particular, they:

- `<ul>`
- `<li>`Simplify error handling, avoiding the need for try/catch/finally

blocks in application code.

- Present exceptions to application code in a generic hierarchy of unchecked exceptions, enabling applications to catch data access exceptions without being dependent on JDBC, and to ignore fatal exceptions there is no value in catching.
- Allow the implementation of error handling to be modified to target different RDBMSes without introducing proprietary dependencies into application code.

This package and related packages are discussed in Chapter 9 of Expert One-On-One J2EE Design and Development by Rod Johnson (Wrox, 2002).

Found in path(s):
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- /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/LobRetrievalFailureException.java
- /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/support/AbstractLobStreamingResultSetExtractor.java
- /opt/cola/permits/1136489748_1613774365.1/0/spring-jdbc-3-0-3-release-sources-2-jar/org/springframework/jdbc/core/ParameterDisposer.java
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1.563 qrencode 3.4.1
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Metadata-Version: 1.0
Name: ply
Version: 3.4
Summary: Python Lex & Yacc
Home-page: http://www.dabeaz.com/ply/
Author: David Beazley
Author-email: dave@dabeaz.com
License: BSD
Description:

PLY is yet another implementation of lex and yacc for Python. Some notable
features include the fact that its implemented entirely in Python and it
uses LALR(1) parsing which is efficient and well suited for larger grammars.

PLY provides most of the standard lex/yacc features including support for empty productions, precedence rules, error recovery, and support for ambiguous grammars.

PLY is extremely easy to use and provides very extensive error checking. It is compatible with both Python 2 and Python 3.

Platform: UNKNOWN
Classifier: Programming Language :: Python :: 3
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PLY (Python Lex-Yacc) Version 3.4

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Introduction
=============  
PLY is a 100% Python implementation of the common parsing tools lex and yacc. Here are a few highlights:

- PLY is very closely modeled after traditional lex/yacc. If you know how to use these tools in C, you will find PLY to be similar.

- PLY provides *very* extensive error reporting and diagnostic information to assist in parser construction. The original implementation was developed for instructional purposes. As a result, the system tries to identify the most common types of errors made by novice users.

- PLY provides full support for empty productions, error recovery, precedence specifiers, and moderately ambiguous grammars.

- Parsing is based on LR-parsing which is fast, memory efficient, better suited to large grammars, and which has a number of nice properties when dealing with syntax errors and other parsing problems. Currently, PLY builds its parsing tables using the LALR(1) algorithm used in yacc.

- PLY uses Python introspection features to build lexers and parsers. This greatly simplifies the task of parser construction since it reduces the number of files and eliminates the need to run a separate lex/yacc tool before running your program.

- PLY can be used to build parsers for "real" programming languages. Although it is not ultra-fast due to its Python implementation, PLY can be used to parse grammars consisting of several hundred rules (as might be found for a language like C). The lexer and LR parser are also reasonably efficient when parsing typically sized programs. People have used PLY to build parsers for C, C++, ADA, and other real programming languages.

How to Use
==========
PLY consists of two files: lex.py and yacc.py. These are contained within the 'ply' directory which may also be used as a Python package. To use PLY, simply copy the 'ply' directory to your project and import lex and yacc from the associated 'ply' package. For example:

```python
import ply.lex as lex
import ply.yacc as yacc
```

Alternatively, you can copy just the files lex.py and yacc.py individually and use them as modules. For example:

```python
import lex
import yacc
```

The file setup.py can be used to install ply using distutils.

The file doc/ply.html contains complete documentation on how to use the system.

The example directory contains several different examples including a PLY specification for ANSI C as given in K&R 2nd Ed.

A simple example is found at the end of this document

Requirements
=============
PLY requires the use of Python 2.2 or greater. However, you should use the latest Python release if possible. It should work on just about any platform. PLY has been tested with both CPython and Jython. It also seems to work with IronPython.

Resources
==========
More information about PLY can be obtained on the PLY webpage at:

http://www.dabeaz.com/ply

For a detailed overview of parsing theory, consult the excellent book "Compilers: Principles, Techniques, and Tools" by Aho, Sethi, and Ullman. The topics found in "Lex & Yacc" by Levine, Mason, and Brown may also be useful.

A Google group for PLY can be found at

http://groups.google.com/group/ply-hack

Acknowledgments
================
A special thanks is in order for all of the students in CS326 who suffered through about 25 different versions of these tools :-).

The CHANGES file acknowledges those who have contributed patches.

Elias Ioup did the first implementation of LALR(1) parsing in PLY-1.x. Andrew Waters and Markus Schoepflin were instrumental in reporting bugs and testing a revised LALR(1) implementation for PLY-2.0.

Special Note for PLY-3.0
========================
PLY-3.0 the first PLY release to support Python 3. However, backwards compatibility with Python 2.2 is still preserved. PLY provides dual Python 2/3 compatibility by restricting its implementation to a common subset of basic language features. You should not convert PLY using 2to3--it is not necessary and may in fact break the implementation.

Example
=======
Here is a simple example showing a PLY implementation of a calculator with variables.

```python
# ----------------------------------------------------------
# calc.py
#
# A simple calculator with variables.
# ----------------------------------------------------------

tokens = (  
    'NAME','NUMBER',  
    'PLUS','MINUS','TIMES','DIVIDE','EQUALS',  
    'LPAREN','RPAREN',  
)

# Tokens

t_PLUS    = r'\+'

t_MINUS   = r'-'  

t_TIMES   = r'\*'

t_DIVIDE  = r'/'

t_EQUALS  = r'=='

t_LPAREN  = r'('  

t_RPAREN  = r')'

t_NAME    = r'[a-zA-Z_]\[a-zA-Z0-9_]'  

def t_NUMBER(t):  
    r'^d+'  
```
t.value = int(t.value)
return t

# Ignored characters
t_ignore = " \\
"

def t_newline(t):
    r'\n+'
    t.lexer.lineno += t.value.count("\n")

def t_error(t):
    print("Illegal character '%s'" % t.value[0])
    t.lexer.skip(1)

# Build the lex
import ply.lex as lex
lex.lex()

# Precedence rules for the arithmetic operators
precedence = (     ('left','PLUS','MINUS'),     ('left','TIMES','DIVIDE'),     ('right','UMINUS'),
)

# dictionary of names (for storing variables)
names = { }

def p_statement_assign(p):
    'statement : NAME EQUALS expression'
    names[p[1]] = p[3]

def p_statement_expr(p):
    'statement : expression'
    print(p[1])

def p_expression_binop(p):
    """expression : expression PLUS expression
    | expression MINUS expression
    | expression TIMES expression
    | expression DIVIDE expression"

def p_expression_uminus(p):
    'expression : MINUS expression %prec UMINUS'
p[0] = -p[2]

def p_expression_group(p):
    'expression : LPAREN expression RPAREN'
    p[0] = p[2]

def p_expression_number(p):
    'expression : NUMBER'
    p[0] = p[1]

def p_expression_name(p):
    'expression : NAME'
    try:
        p[0] = names[p[1]]
    except LookupError:
        print("Undefined name '%s'" % p[1])
        p[0] = 0

def p_error(p):
    print("Syntax error at '%s'" % p.value)

import ply.yacc as yacc
yacc.yacc()

while 1:
    try:
        s = raw_input('calc > ')   # use input() on Python 3
        except EOFError:
            break
    yacc.parse(s)

Bug Reports and Patches
=======================
My goal with PLY is to simply have a decent lex/yacc implementation for Python. As a general rule, I don't spend huge amounts of time working on it unless I receive very specific bug reports and/or patches to fix problems. I also try to incorporate submitted feature requests and enhancements into each new version. To contact me about bugs and/or new features, please send email to dave@dabeaz.com.

In addition there is a Google group for discussing PLY related issues at

    http://groups.google.com/group/ply-hack

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1.575 libnotify 0.7.7-1.el7

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The primary ANTLR guy:

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

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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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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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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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1.585 libtool 2.4.2 22.el7_3
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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-
jar/org/jdom2/input/sax/DefaultSAXHandlerFactory.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/LineSeparator.java
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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/XMLReaderJDOMFactory.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/XMLReaderSchemaFactory.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/XMLReaders.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/XMLReaderXSDFactory.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/stax/AbstractReaderXSDFactory.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/stax/DefaultStAXFilter.java
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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/filter/TextOnlyFilter.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/filter/PassThroughFilter.java
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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/xpath/xalan/XalanXPathExpression.java
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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/android/TranslateTests.java
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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/xpath/java/JavaXPathExpression.java
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Found in path(s):
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/org/jdom2/input/SAXBuilder.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/org/jdom2/EntityRef.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/org/jdom2/filter/AndFilter.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/org/jdom2/output/Format.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/org/jdom2/CDATA.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/org/jdom2/filter/ContentFilter.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/org/jdom2/Text.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/org/jdom2/DefaultJDOMFactory.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/org/jdom2/AttributeList.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/org/jdom2/output/SAXOutputter.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/org/jdom2/ProcessingInstruction.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/jaxen/JDOMXPath.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/org/jdom2/Element.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/input/DOMBuilder.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/org/jdom2/Document.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/org/jdom2/Parent.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/org/jdom2/filter/AbstractFilter.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/org/jdom2/filter/ElementFilter.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/org/jdom2/Comment.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/org/jdom2/DescendantIterator.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/org/jdom2/FilterIterator.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/org/jdom2/input/DOMFactoryException.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/jdom/2/input/sax/SAXHandler.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/org/jdom2/FilterNegateFilter.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/SAXBuilder.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/jdom/2/input/sax/TextBuffer.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/jdom/2/input/Outputter.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/jdom/2/Attribute.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/jdom2/xpath/PathHelper.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/jdom2/DocType.java
* /opt/cola/permits/1135936329_1613638824.69/jdom2-2-0-6-sources-1-jar/jdom2/JDOMFactory.java
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Found in path(s):
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/sax/BuilderErrorHandler.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/DOMOutputter.java

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Found in path(s):
* /opt/cola/permits/1135936329_161363824.69/0/jdom2-2-0-6-sources-1-
jar/org/jdom2/contrib/perf/SavingVerifier.java

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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1.jar/org/jdom2/test/cases/TestSerialization.java
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Found in path(s):
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/ids/doc-files/TestIds.java
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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1.jar/org/jdom2/test/cases/TestAttribute.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1.jar/org/jdom2/test/cases/TestElement.java

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Found in path(s):
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/transform/JDOMSource.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/transform/JDOMResult.java

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/*
/*
* =------------------------------------------------------------------=
* Support methods for Text-content formatting. Should all be protected. The
* following are used when printing Text-based data. Because of complicated
* multi-sequential text sometimes the requirements are odd. All Text
* content will be output using these methods, which is why there is the None
* version.
*
Found in path(s):
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/AbstractXMLOutputProcessor.java
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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/DataConversionException.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/adapters/DOMAdapter.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/IllegalDataException.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/IllegalTargetException.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/adapters/JAXPDOMAdapter.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/Verifier.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/adapters/AbstractDOMAdapter.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/UncheckedJDOMFactory.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/filter/Filter.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/StAXStreamProcessor.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/IllegalNameException.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/JDOMException.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/IllegalAddException.java
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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/WalkerPRESERVE.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/located/LocatedDocType.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/located/LocatedProcessingInstruction.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/Walker.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/WalkerTRIM_FULL_WHITE.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/located/LocatedCDATA.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/located/LocatedJDOMFactory.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/WalkerNORMALIZE.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/located/LocatedTextArea.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/located/LocatedComment.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/located/LocatedEntityRef.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/located/LocatedEntity.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/located/LocatedText.java

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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/test/cases/TestFilterList.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/test/cases/TestDocType.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/test/cases/TestVerifier.java

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*/opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1.jar/org/jdom2/transform/XSLTransformException.java

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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/input/scanner/ElementListener.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/input/scanner/XPathMatcher.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/ids/IdAttribute.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/ids/IdDocument.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/ids/IdElement.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/ids/IdFactory.java

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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/XPathExpression.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/jaxen/JaxenCompiled.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JNamespaceAware.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/jaxen/JDOMCoreNavigator.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/dom/JElement.java
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*/
/*
 * Support methods for Text-content formatting. Should all be protected. The following are used when printing Text-based data. Because of complicated multi-sequential text sometimes the requirements are odd. All Text content will be output using these methods, which is why there is the None version.
 */

Found in path(s):
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-0-6-sources-1-jar/org/jdom2/output/support/AbstractOutputProcessor.java
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Found in path(s):
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-
  jar/org/jdom2/contrib/schema/ValidationError.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-
  jar/org/jdom2/contrib/schema/Schema.java

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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/StAXEventBuilder.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/input/StAXStreamBuilder.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/StAXEventOutputter.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/StAXStreamOutputter.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/jaxen/AttributeFilter.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/jaxen/JDOMNavigator.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/jaxen/Navigator.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/jaxen/Node.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/xpath/jaxen/NodeList.java

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Found in path(s):
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/EscapeStrategy.java
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Found in path(s):
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1.jar/org/jdom2/output/support/SAXTarget.java
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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/DOMOutputProcessor.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/AbstractStAXStreamProcessor.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/StAXEventProcessor.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/FormatStack.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/SAXOutputProcessor.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/AbstractDOMOutputProcessor.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/AbstractStAXEventProcessor.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/output/support/XMLOutputProcessor.java

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* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/input/ResultSetBuilder.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/beans/TestBean.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/beans/JDOMBean.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/beans/TestIndexed.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/input/scanner/ElementScanner.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/beans/DateUtils.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/beans/XPathHelper.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/output/JTreeOutputter.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/beans/BeanMapperException.java
* /opt/cola/permits/1135936329_1613638824.69/0/jdom2-2-0-6-sources-1-jar/org/jdom2/contrib/beans/StringConverter.java

1.593 json-smart 2.2.1

1.594 nss 3.41-r0

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1.607 jna 5.6.0

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* /opt/cola/permits/1136647791_1613845916.34/0/smack-tcp-4-3-4-sources-1-jar/org/jivesoftware/smack/sm/provider/ParseStreamManagement.java

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* /opt/cola/permits/1136647791_1613845916.34/0/smack-tcp-4-3-4-sources-1-jar/org/jivesoftware/smack/sm/predicates/package-info.java
* /opt/cola/permits/1136647791_1613845916.34/0/smack-tcp-4-3-4-sources-1-jar/org/jivesoftware/smack/tcp/BundleAndDeferCallback.java
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* /opt/cola/permits/1136647791_1613845916.34/0/smack-tcp-4-3-4-sources-1-jar/org/jivesoftware/smack/tcp/BundleAndDefer.java
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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonDeserializationContext.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/annotations/Until.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/ObjectConstructor.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/FieldNamingStrategy.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/Gson.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/InstanceCreator.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/ExclusionStrategy.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/annotations/Expose.java
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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonSerializer.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/Primitives.java

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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/UnsafeAllocator.java
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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/bind/DateTypeAdapter.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/bind/SqlDateTypeAdapter.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/bind/TimeTypeAdapter.java

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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonStreamParser.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/FieldAttributes.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/JsonParser.java

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* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/internal/bind/JsonAdapterAnnotationTypeAdapterFactory.java
* /opt/cola/permits/1000760527_1646171563.11/0/gson-2-8-2-sources-jar/com/google/gson/annotations/JsonAdapter.java
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@c Local Variables:
@c ispell-local-pdict: "ispell-dict"
@c End:

**1.617 libjpeg-turbo 1.2.90-6.el7**

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 * jdhuff.c
 *
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 *
 * This file contains Huffman entropy decoding routines.
 *
 * Much of the complexity here has to do with supporting input suspension.
 * If the data source module demands suspension, we want to be able to back
 * up to the start of the current MCU. To do this, we copy state variables
 * into local working storage, and update them back to the permanent
 * storage only upon successful completion of an MCU.
 */
```

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```c
/*
 * jfdctint.c
 *
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 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a slow-but-accurate integer implementation of the
 * forward DCT (Discrete Cosine Transform).
 *
 * A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT
 ```
This implementation is based on an algorithm described in
* C. Loeffler, A. Lijtenberg and G. Moschytz, "Practical Fast 1-D DCT
* Algorithms with 11 Multiplications", Proc. Int'l. Conf. on Acoustics,
* The primary algorithm described there uses 11 multiplies and 29 adds.
* We use their alternate method with 12 multiplies and 32 adds.
* The advantage of this method is that no data path contains more than one
* multiplication; this allows a very simple and accurate implementation in
* scaled fixed-point arithmetic, with a minimal number of shifts.
*/

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/*
 * jdct.h
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This include file contains common declarations for the forward and
 * inverse DCT modules. These declarations are private to the DCT managers
 * (jcdctmgr.c, jddctmgr.c) and the individual DCT algorithms.
 * The individual DCT algorithms are kept in separate files to ease
 * machine-dependent tuning (e.g., assembly coding).
 */

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 * djpeg.c
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 *
 * This file contains a command-line user interface for the JPEG decompressor.
* It should work on any system with Unix- or MS-DOS-style command lines.

* Two different command line styles are permitted, depending on the
  compile-time switch TWO_FILE_COMMANDLINE:
  *djpeg [options] inputfile outputfile
  *djpeg [options] [inputfile]
  * In the second style, output is always to standard output, which you'd
  * normally redirect to a file or pipe to some other program. Input is
  * either from a named file or from standard input (typically redirected).
  * The second style is convenient on Unix but is unhelpful on systems that
    * don't support pipes. Also, you MUST use the first style if your system
    * doesn't do binary I/O to stdin/stdout.
  * To simplify script writing, the "-outfile" switch is provided. The syntax
    *djpeg [options] -outfile outputfile inputfile
  * works regardless of which command line style is used.

*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/djpeg.c
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/ *
  * rdswitch.c
  *
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  *
  * This file contains routines to process some of cjpeg's more complicated
    * command-line switches. Switches processed here are:
    *-qtables fileRead quantization tables from text file
    *-scans fileRead scan script from text file
    *-quality N[,N,...]Set quality ratings
    *-qslots N[,N,...]Set component quantization table selectors
    *-sample HxV[,HxV,...]Set component sampling factors
  */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/rdswitch.c
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/ *
  * jccolor.c
  *

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* This file contains input colorspace conversion routines.
*/

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/*
 * jfdctflt.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * This file contains a floating-point implementation of the
 * forward DCT (Discrete Cosine Transform).
 * This implementation should be more accurate than either of the integer
 * DCT implementations. However, it may not give the same results on all
 * machines because of differences in roundoff behavior. Speed will depend
 * on the hardware's floating point capacity.
 * A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT
 * on each column. Direct algorithms are also available, but they are
 * much more complex and seem not to be any faster when reduced to code.
 * This implementation is based on Arai, Agui, and Nakajima's algorithm for
 * scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
 * Japanese, but the algorithm is described in the Pennebaker & Mitchell
 * JPEG textbook (see REFERENCES section in file README). The following code
 * is based directly on figure 4-8 in P&M.
 * While an 8-point DCT cannot be done in less than 11 multiplies, it is
 * possible to arrange the computation so that many of the multiplies are
 * simple scalings of the final outputs. These multiplies can then be
 * folded into the multiplications or divisions by the JPEG quantization
 * table entries. The AA&N method leaves only 5 multiplies and 29 adds
 * to be done in the DCT itself.
 * The primary disadvantage of this method is that with a fixed-point
 * implementation, accuracy is lost due to imprecise representation of the
 * scaled quantization values. However, that problem does not arise if
* we use floating point arithmetic.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYrW4/libjpeg-turbo-1.2.90/jfdctflt.c
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*/
* jtrans.c
*
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*
* This file contains library routines for transcoding compression,
* that is, writing raw DCT coefficient arrays to an output JPEG file.
* The routines in jcapimin.c will also be needed by a transcoder.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYrW4/libjpeg-turbo-1.2.90/jtrans.c
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*/
* jcomapi.c
*
* Copyright (C) 1994-1997, Thomas G. Lane.
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*
* This file contains application interface routines that are used for both
* compression and decompression.
*/

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/*
* jsimd_i386.c

* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2009-2011 D. R. Commander
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
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*
* This file contains the interface between the "normal" portions
* of the library and the SIMD implementations when running on a
* 32-bit x86 architecture.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/simd/jsimd_i386.c

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/*! 
*
* jcsample.c
*
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* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains downsampling routines.
*
* Downsampling input data is counted in "row groups". A row group
* is defined to be max_v_samp_factor pixel rows of each component,
* from which the downsampler produces v_samp_factor sample rows.
* A single row group is processed in each call to the downsampler module.
*
* The downsampler is responsible for edge-expansion of its output data
* to fill an integral number of DCT blocks horizontally. The source buffer
* may be modified if it is helpful for this purpose (the source buffer is
* allocated wide enough to correspond to the desired output width).
* The caller (the prep controller) is responsible for vertical padding.
*
* The downsampler may request "context rows" by setting need_context_rows
* during startup. In this case, the input arrays will contain at least
* one row group's worth of pixels above and below the passed-in data;
* the caller will create dummy rows at image top and bottom by replicating
* the first or last real pixel row.
*
* An excellent reference for image resampling is

* The downsampling algorithm used here is a simple average of the source
* pixels covered by the output pixel. The hi-falutin sampling literature
* refers to this as a "box filter". In general the characteristics of a box
* filter are not very good, but for the specific cases we normally use (1:1
* and 2:1 ratios) the box is equivalent to a "triangle filter" which is not
* nearly so bad. If you intend to use other sampling ratios, you'd be well
* advised to improve this code.

* A simple input-smoothing capability is provided. This is mainly intended
* for cleaning up color-dithered GIF input files (if you find it inadequate,
* we suggest using an external filtering program such as pnmconvol). When
* enabled, each input pixel P is replaced by a weighted sum of itself and its
* eight neighbors. P's weight is 1-8*SF and each neighbor's weight is SF,
* where SF = (smoothing_factor / 1024).
* Currently, smoothing is only supported for 2h2v sampling factors.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYI1W4/libjpeg-turbo-1.2.90/jcsample.c
No license file was found, but licenses were detected in source scan.

*/
* jmemsys.h
* 
* Copyright (C) 1992-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This include file defines the interface between the system-independent
* and system-dependent portions of the JPEG memory manager. No other
* modules need include it. (The system-independent portion is jmemmgr.c;
* there are several different versions of the system-dependent portion.)
* 
* This file works as-is for the system-dependent memory managers supplied
* in the IJG distribution. You may need to modify it if you write a
* custom memory manager. If system-dependent changes are needed in
* this file, the best method is to #ifdef them based on a configuration
* symbol supplied in jconfig.h, as we have done with USE_MSDOS_MEMMGR
* and USE_MAC_MEMMGR.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYI1W4/libjpeg-turbo-1.2.90/jmemsys.h
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 * rdjpgcom.c
 *
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 * Modified 2009 by Bill Allombert, Guido Vollbeding.
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 *
 * This file contains a very simple stand-alone application that displays
 * the text in COM (comment) markers in a JFIF file.
 * This may be useful as an example of the minimum logic needed to parse
 * JPEG markers.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYI1W4/libjpeg-turbo-1.2.90/rdjpgcom.c

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/*
 * jidctint.c
 *
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * Modification developed 2002-2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a slow-but-accurate integer implementation of the
 * inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
 * must also perform dequantization of the input coefficients.
 *
 * A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT
 * on each row (or vice versa, but it's more convenient to emit a row at
 * a time). Direct algorithms are also available, but they are much more
 * complex and seem not to be any faster when reduced to code.
 *
 * This implementation is based on an algorithm described in
 * C. Loeffler, A. Ligtenberg and G. Moschytz, "Practical Fast 1-D DCT
 * Algorithms with 11 Multiplications", Proc. Int'l. Conf. on Acoustics,
 * The primary algorithm described there uses 11 multiplies and 29 adds.
 * We use their alternate method with 12 multiplies and 32 adds.
 * The advantage of this method is that no data path contains more than one
 * multiplication; this allows a very simple and accurate implementation in
 * scaled fixed-point arithmetic, with a minimal number of shifts.
 */
* We also provide IDCT routines with various output sample block sizes for
* direct resolution reduction or enlargement without additional resampling:
* NxN (N=1...16) pixels for one 8x8 input DCT block.
*
* For N<8 we simply take the corresponding low-frequency coefficients of
* the 8x8 input DCT block and apply an NxN point IDCT on the sub-block
* to yield the downscaled outputs.
* This can be seen as direct low-pass downsampling from the DCT domain
* point of view rather than the usual spatial domain point of view,
* yielding significant computational savings and results at least
* as good as common bilinear (averaging) spatial downsampling.
*
* For N>8 we apply a partial NxN IDCT on the 8 input coefficients as
* lower frequencies and higher frequencies assumed to be zero.
* It turns out that the computational effort is similar to the 8x8 IDCT
* regarding the output size.
* Furthermore, the scaling and descaling is the same for all IDCT sizes.
*
* CAUTION: We rely on the FIX() macro except for the N=1,2,4,8 cases
* since there would be too many additional constants to pre-calculate.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIw4/libjpeg-turbo-1.2.90/jidctint.c
No license file was found, but licenses were detected in source scan.

/*
* jidctred.c
*
* Copyright (C) 1994-1998, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains inverse-DCT routines that produce reduced-size output:
* either 4x4, 2x2, or 1x1 pixels from an 8x8 DCT block.
*
* The implementation is based on the Loeffler, Ligtenberg and Moschytz (LL&M)
* algorithm used in jidctint.c. We simply replace each 8-to-8 1-D IDCT step
* with an 8-to-4 step that produces the four averages of two adjacent outputs
* (or an 8-to-2 step producing two averages of four outputs, for 2x2 output).
* These steps were derived by computing the corresponding values at the end
* of the normal LL&M code, then simplifying as much as possible.
*
* 1x1 is trivial: just take the DC coefficient divided by 8.
*
* See jidctint.c for additional comments.
*/
IJG JPEG LIBRARY: SYSTEM ARCHITECTURE

Copyright (C) 1991-2012, Thomas G. Lane, Guido Vollbeding.
This file was part of the Independent JPEG Group's software.
It was modified by The libjpeg-turbo Project to include only information relevant to libjpeg-turbo.
For conditions of distribution and use, see the accompanying README file.

This file provides an overview of the architecture of the IJG JPEG software; that is, the functions of the various modules in the system and the interfaces between modules. For more precise details about any data structure or calling convention, see the include files and comments in the source code.

We assume that the reader is already somewhat familiar with the JPEG standard. The README file includes references for learning about JPEG. The file libjpeg.txt describes the library from the viewpoint of an application programmer using the library; it's best to read that file before this one. Also, the file coderules.txt describes the coding style conventions we use.

In this document, JPEG-specific terminology follows the JPEG standard: A "component" means a color channel, e.g., Red or Luminance. A "sample" is a single component value (i.e., one number in the image data). A "coefficient" is a frequency coefficient (a DCT transform output number). A "block" is an 8x8 group of samples or coefficients. An "MCU" (minimum coded unit) is an interleaved set of blocks of size determined by the sampling factors, or a single block in a noninterleaved scan.
We do not use the terms "pixel" and "sample" interchangeably. When we say pixel, we mean an element of the full-size image, while a sample is an element of the downscaled image. Thus the number of samples may vary across components while the number of pixels does not. (This terminology is not used rigorously throughout the code, but it is used in places where confusion would otherwise result.)

*** System features ***

The IJG distribution contains two parts:
* A subroutine library for JPEG compression and decompression.
* cjpeg/djpeg, two sample applications that use the library to transform JFIF JPEG files to and from several other image formats.
cjpeg/djpeg are of no great intellectual complexity: they merely add a simple command-line user interface and I/O routines for several uncompressed image formats. This document concentrates on the library itself.

We desire the library to be capable of supporting all JPEG baseline, extended sequential, and progressive DCT processes. Hierarchical processes are not supported.

The library does not support the lossless (spatial) JPEG process. Lossless JPEG shares little or no code with lossy JPEG, and would normally be used without the extensive pre- and post-processing provided by this library. We feel that lossless JPEG is better handled by a separate library.

Within these limits, any set of compression parameters allowed by the JPEG spec should be readable for decompression. (We can be more restrictive about what formats we can generate.) Although the system design allows for all parameter values, some uncommon settings are not yet implemented and may never be; nonintegral sampling ratios are the prime example. Furthermore, we treat 8-bit vs. 12-bit data precision as a compile-time switch, not a run-time option, because most machines can store 8-bit pixels much more compactly than 12-bit.

By itself, the library handles only interchange JPEG datastreams --- in particular the widely used JFIF file format. The library can be used by surrounding code to process interchange or abbreviated JPEG datastreams that are embedded in more complex file formats. (For example, libtiff uses this library to implement JPEG compression within the TIFF file format.)

The library includes a substantial amount of code that is not covered by the JPEG standard but is necessary for typical applications of JPEG. These functions preprocess the image before JPEG compression or postprocess it after decompression. They include colorspace conversion, downsampling/upsampling, and color quantization. This code can be omitted if not needed.

A wide range of quality vs. speed tradeoffs are possible in JPEG processing, and even more so in decompression postprocessing. The decompression library provides multiple implementations that cover most of the useful tradeoffs, ranging from very-high-quality down to fast-preview operation. On the compression side we have generally not provided low-quality choices, since compression is normally less time-critical. It should be understood that the low-quality modes may not meet the JPEG standard's accuracy requirements; nonetheless, they are useful for viewers.

*** Portability issues ***

Portability is an essential requirement for the library. The key portability issues that show up at the level of system architecture are:
1. Memory usage. We want the code to be able to run on PC-class machines with limited memory. Images should therefore be processed sequentially (in strips), to avoid holding the whole image in memory at once. Where a full-image buffer is necessary, we should be able to use either virtual memory or temporary files.

2. Near/far pointer distinction. To run efficiently on 80x86 machines, the code should distinguish "small" objects (kept in near data space) from "large" ones (kept in far data space). This is an annoying restriction, but fortunately it does not impact code quality for less brain-damaged machines, and the source code clutter turns out to be minimal with sufficient use of pointer typedefs.

3. Data precision. We assume that "char" is at least 8 bits, "short" and "int" at least 16, "long" at least 32. The code will work fine with larger data sizes, although memory may be used inefficiently in some cases. However, the JPEG compressed datastream must ultimately appear on external storage as a sequence of 8-bit bytes if it is to conform to the standard. This may pose a problem on machines where char is wider than 8 bits. The library represents compressed data as an array of values of typedef JOCTET. If no data type exactly 8 bits wide is available, custom data source and data destination modules must be written to unpack and pack the chosen JOCTET datatype into 8-bit external representation.

*** System overview ***

The compressor and decompressor are each divided into two main sections: the JPEG compressor or decompressor proper, and the preprocessing or postprocessing functions. The interface between these two sections is the image data that the official JPEG spec regards as its input or output: this data is in the colorspace to be used for compression, and it is downsampled to the sampling factors to be used. The preprocessing and postprocessing steps are responsible for converting a normal image representation to or from this form. (Those few applications that want to deal with YCbCr downsampled data can skip the preprocessing or postprocessing step.)

Looking more closely, the compressor library contains the following main elements:

Preprocessing:
* Color space conversion (e.g., RGB to YCbCr).
* Edge expansion and downsampling. Optionally, this step can do simple smoothing --- this is often helpful for low-quality source data.

JPEG proper:
* MCU assembly, DCT, quantization.
* Entropy coding (sequential or progressive, Huffman or arithmetic).
In addition to these modules we need overall control, marker generation, and support code (memory management & error handling). There is also a module responsible for physically writing the output data --- typically this is just an interface to fwrite(), but some applications may need to do something else with the data.

The decompressor library contains the following main elements:

JPEG proper:
* Entropy decoding (sequential or progressive, Huffman or arithmetic).
* Dequantization, inverse DCT, MCU disassembly.

Postprocessing:
* Upsampling. Optionally, this step may be able to do more general rescaling of the image.
* Color space conversion (e.g., YCbCr to RGB). This step may also provide gamma adjustment [ currently it does not ].
* Optional color quantization (e.g., reduction to 256 colors).
* Optional color precision reduction (e.g., 24-bit to 15-bit color).
[This feature is not currently implemented.]

We also need overall control, marker parsing, and a data source module. The support code (memory management & error handling) can be shared with the compression half of the library.

There may be several implementations of each of these elements, particularly in the decompressor, where a wide range of speed/quality tradeoffs is very useful. It must be understood that some of the best speedups involve merging adjacent steps in the pipeline. For example, upsampling, color space conversion, and color quantization might all be done at once when using a low-quality ordered-dither technique. The system architecture is designed to allow such merging where appropriate.

Note: it is convenient to regard edge expansion (padding to block boundaries) as a preprocessing/postprocessing function, even though the JPEG spec includes it in compression/decompression. We do this because downsampling/upsampling can be simplified a little if they work on padded data: it's not necessary to have special cases at the right and bottom edges. Therefore the interface buffer is always an integral number of blocks wide and high, and we expect compression preprocessing to pad the source data properly. Padding will occur only to the next block (8-sample) boundary. In an interleaved-scan situation, additional dummy blocks may be used to fill out MCUs, but the MCU assembly and disassembly logic will create or discard these blocks internally. (This is advantageous for speed reasons, since we avoid DCTing the dummy blocks. It also permits a small reduction in file size, because the compressor can choose dummy block contents so as to minimize their size in compressed form. Finally, it makes the interface buffer specification independent of whether
the file is actually interleaved or not.) Applications that wish to deal directly with the downsampled data must provide similar buffering and padding for odd-sized images.

*** Poor man's object-oriented programming ***

It should be clear by now that we have a lot of quasi-independent processing steps, many of which have several possible behaviors. To avoid cluttering the code with lots of switch statements, we use a simple form of object-style programming to separate out the different possibilities.

For example, two different color quantization algorithms could be implemented as two separate modules that present the same external interface; at runtime, the calling code will access the proper module indirectly through an "object".

We can get the limited features we need while staying within portable C. The basic tool is a function pointer. An "object" is just a struct containing one or more function pointer fields, each of which corresponds to a method name in real object-oriented languages. During initialization we fill in the function pointers with references to whichever module we have determined we need to use in this run. Then invocation of the module is done by indirecting through a function pointer; on most machines this is no more expensive than a switch statement, which would be the only other way of making the required run-time choice. The really significant benefit, of course, is keeping the source code clean and well structured.

We can also arrange to have private storage that varies between different implementations of the same kind of object. We do this by making all the module-specific object structs be separately allocated entities, which will be accessed via pointers in the master compression or decompression struct. The "public" fields or methods for a given kind of object are specified by a commonly known struct. But a module's initialization code can allocate a larger struct that contains the common struct as its first member, plus additional private fields. With appropriate pointer casting, the module's internal functions can access these private fields. (For a simple example, see jdatadst.c, which implements the external interface specified by struct jpeg_destination_mgr, but adds extra fields.)

(Of course this would all be a lot easier if we were using C++, but we are not yet prepared to assume that everyone has a C++ compiler.)

An important benefit of this scheme is that it is easy to provide multiple versions of any method, each tuned to a particular case. While a lot of precalculation might be done to select an optimal implementation of a method, the cost per invocation is constant. For example, the upsampling step might have a "generic" method, plus one or more "hardwired" methods for the most popular sampling factors; the hardwired methods would be faster because they'd
use straight-line code instead of for-loops. The cost to determine which
method to use is paid only once, at startup, and the selection criteria are
hidden from the callers of the method.

This plan differs a little bit from usual object-oriented structures, in that
only one instance of each object class will exist during execution. The
reason for having the class structure is that on different runs we may create
different instances (choose to execute different modules). You can think of
the term "method" as denoting the common interface presented by a particular
set of interchangeable functions, and "object" as denoting a group of related
methods, or the total shared interface behavior of a group of modules.

*** Overall control structure ***

We previously mentioned the need for overall control logic in the compression
and decompression libraries. In IJG implementations prior to v5, overall
control was mostly provided by "pipeline control" modules, which proved to be
large, unwieldy, and hard to understand. To improve the situation, the
control logic has been subdivided into multiple modules. The control modules
consist of:

1. Master control for module selection and initialization. This has two
   responsibilities:

   1A. Startup initialization at the beginning of image processing.
       The individual processing modules to be used in this run are selected
       and given initialization calls.

   1B. Per-pass control. This determines how many passes will be performed
       and calls each active processing module to configure itself
       appropriately at the beginning of each pass. End-of-pass processing,
       where necessary, is also invoked from the master control module.

       Method selection is partially distributed, in that a particular processing
module may contain several possible implementations of a particular method,
which it will select among when given its initialization call. The master
control code need only be concerned with decisions that affect more than
one module.

2. Data buffering control. A separate control module exists for each
   inter-processing-step data buffer. This module is responsible for
   invoking the processing steps that write or read that data buffer.

   Each buffer controller sees the world as follows:

   input data => processing step A => buffer => processing step B => output data
   |         |         |
The controller knows the dataflow requirements of steps A and B: how much data they want to accept in one chunk and how much they output in one chunk. Its function is to manage its buffer and call A and B at the proper times.

A data buffer control module may itself be viewed as a processing step by a higher-level control module; thus the control modules form a binary tree with elementary processing steps at the leaves of the tree.

The control modules are objects. A considerable amount of flexibility can be had by replacing implementations of a control module. For example:
* Merging of adjacent steps in the pipeline is done by replacing a control module and its pair of processing-step modules with a single processing-step module. (Hence the possible merges are determined by the tree of control modules.)
* In some processing modes, a given interstep buffer need only be a "strip" buffer large enough to accommodate the desired data chunk sizes. In other modes, a full-image buffer is needed and several passes are required. The control module determines which kind of buffer is used and manipulates virtual array buffers as needed. One or both processing steps may be unaware of the multi-pass behavior.

In theory, we might be able to make all of the data buffer controllers interchangeable and provide just one set of implementations for all. In practice, each one contains considerable special-case processing for its particular job. The buffer controller concept should be regarded as an overall system structuring principle, not as a complete description of the task performed by any one controller.

*** Compression object structure ***

Here is a sketch of the logical structure of the JPEG compression library:

```
|-- Colorspace conversion
 | |-- Preprocessing controller -->
 |     |-- Downsampling
| Main controller -->
 |     |-- Forward DCT, quantize
 |     |   |-- Coefficient controller -->
 |     |     |-- Entropy encoding
```

This sketch also describes the flow of control (subroutine calls) during typical image data processing. Each of the components shown in the diagram is an "object" which may have several different implementations available. One or more source code files contain the actual implementation(s) of each object.
The objects shown above are:

* Main controller: buffer controller for the subsampled-data buffer, which holds the preprocessed input data. This controller invokes preprocessing to fill the subsampled-data buffer, and JPEG compression to empty it. There is usually no need for a full-image buffer here; a strip buffer is adequate.

* Preprocessing controller: buffer controller for the downsampling input data buffer, which lies between colorspace conversion and downsampling. Note that a unified conversion/downsampling module would probably replace this controller entirely.

* Colorspace conversion: converts application image data into the desired JPEG color space; also changes the data from pixel-interleaved layout to separate component planes. Processes one pixel row at a time.

* Downsampling: performs reduction of chroma components as required. Optionally may perform pixel-level smoothing as well. Processes a "row group" at a time, where a row group is defined as Vmax pixel rows of each component before downsampling, and Vk sample rows afterwards (remember Vk differs across components). Some downsampling or smoothing algorithms may require context rows above and below the current row group; the preprocessing controller is responsible for supplying these rows via proper buffering. The downsampler is responsible for edge expansion at the right edge (i.e., extending each sample row to a multiple of 8 samples); but the preprocessing controller is responsible for vertical edge expansion (i.e., duplicating the bottom sample row as needed to make a multiple of 8 rows).

* Coefficient controller: buffer controller for the DCT-coefficient data. This controller handles MCU assembly, including insertion of dummy DCT blocks when needed at the right or bottom edge. When performing Huffman-code optimization or emitting a multiscan JPEG file, this controller is responsible for buffering the full image. The equivalent of one fully interleaved MCU row of subsampled data is processed per call, even when the JPEG file is noninterleaved.

* Forward DCT and quantization: Perform DCT, quantize, and emit coefficients. Works on one or more DCT blocks at a time. (Note: the coefficients are now emitted in normal array order, which the entropy encoder is expected to convert to zigzag order as necessary. Prior versions of the IJG code did the conversion to zigzag order within the quantization step.)

* Entropy encoding: Perform Huffman or arithmetic entropy coding and emit the coded data to the data destination module. Works on one MCU per call. For progressive JPEG, the same DCT blocks are fed to the entropy coder during each pass, and the coder must emit the appropriate subset of coefficients.
In addition to the above objects, the compression library includes these objects:

* Master control: determines the number of passes required, controls overall and per-pass initialization of the other modules.

* Marker writing: generates JPEG markers (except for RSTn, which is emitted by the entropy encoder when needed).

* Data destination manager: writes the output JPEG datastream to its final destination (e.g., a file). The destination manager supplied with the library knows how to write to a stdio stream or to a memory buffer; for other behaviors, the surrounding application may provide its own destination manager.

* Memory manager: allocates and releases memory, controls virtual arrays (with backing store management, where required).

* Error handler: performs formatting and output of error and trace messages; determines handling of nonfatal errors. The surrounding application may override some or all of this object's methods to change error handling.

* Progress monitor: supports output of "percent-done" progress reports. This object represents an optional callback to the surrounding application: if wanted, it must be supplied by the application.

The error handler, destination manager, and progress monitor objects are defined as separate objects in order to simplify application-specific customization of the JPEG library. A surrounding application may override individual methods or supply its own all-new implementation of one of these objects. The object interfaces for these objects are therefore treated as part of the application interface of the library, whereas the other objects are internal to the library.

The error handler and memory manager are shared by JPEG compression and decompression; the progress monitor, if used, may be shared as well.

*** Decompression object structure ***

Here is a sketch of the logical structure of the JPEG decompression library:

```
          |-- Entropy decoding
          |   |-- Coefficient controller
          |       |-- Dequantize, Inverse DCT
          |          |-- Upsampling
          |-- Postprocessing controller
               |-- Colorspace conversion
```
As before, this diagram also represents typical control flow. The objects shown are:

* Main controller: buffer controller for the subsampled-data buffer, which holds the output of JPEG decompression proper. This controller's primary task is to feed the postprocessing procedure. Some upsampling algorithms may require context rows above and below the current row group; when this is true, the main controller is responsible for managing its buffer so as to make context rows available. In the current design, the main buffer is always a strip buffer; a full-image buffer is never required.

* Coefficient controller: buffer controller for the DCT-coefficient data. This controller handles MCU disassembly, including deletion of any dummy DCT blocks at the right or bottom edge. When reading a multiscan JPEG file, this controller is responsible for buffering the full image. (Buffering DCT coefficients, rather than samples, is necessary to support progressive JPEG.) The equivalent of one fully interleaved MCU row of subsampled data is processed per call, even when the source JPEG file is noninterleaved.

* Entropy decoding: Read coded data from the data source module and perform Huffman or arithmetic entropy decoding. Works on one MCU per call. For progressive JPEG decoding, the coefficient controller supplies the prior coefficients of each MCU (initially all zeroes), which the entropy decoder modifies in each scan.

* Dequantization and inverse DCT: like it says. Note that the coefficients buffered by the coefficient controller have NOT been dequantized; we merge dequantization and inverse DCT into a single step for speed reasons. When scaled-down output is asked for, simplified DCT algorithms may be used that emit fewer samples per DCT block, not the full 8x8. Works on one DCT block at a time.

* Postprocessing controller: buffer controller for the color quantization input buffer, when quantization is in use. (Without quantization, this controller just calls the upsampler.) For two-pass quantization, this controller is responsible for buffering the full-image data.

* Upsampling: restores chroma components to full size. (May support more general output rescaling, too. Note that if undersized DCT outputs have been emitted by the DCT module, this module must adjust so that properly sized outputs are created.) Works on one row group at a time. This module also calls the color conversion module, so its top level is effectively a buffer controller for the upsampling->color conversion buffer. However, in all but the highest-quality operating modes, upsampling and color
Conversion are likely to be merged into a single step.

* Colorspace conversion: convert from JPEG color space to output color space, and change data layout from separate component planes to pixel-interleaved. Works on one pixel row at a time.

* Color quantization: reduce the data to colormapped form, using either an externally specified colormap or an internally generated one. This module is not used for full-color output. Works on one pixel row at a time; may require two passes to generate a color map. Note that the output will always be a single component representing colormap indexes. In the current design, the output values are JSAMPLEs, so an 8-bit compilation cannot quantize to more than 256 colors. This is unlikely to be a problem in practice.

* Color reduction: this module handles color precision reduction, e.g., generating 15-bit color (5 bits/primary) from JPEG's 24-bit output. Not quite clear yet how this should be handled... should we merge it with colorspace conversion???

Note that some high-speed operating modes might condense the entire postprocessing sequence to a single module (upsample, color convert, and quantize in one step).

In addition to the above objects, the decompression library includes these objects:

* Master control: determines the number of passes required, controls overall and per-pass initialization of the other modules. This is subdivided into input and output control: jdinput.c controls only input-side processing, while jdmaster.c handles overall initialization and output-side control.

* Marker reading: decodes JPEG markers (except for RSTn).

* Data source manager: supplies the input JPEG datastream. The source manager supplied with the library knows how to read from a stdio stream or from a memory buffer; for other behaviors, the surrounding application may provide its own source manager.

* Memory manager: same as for compression library.

* Error handler: same as for compression library.

* Progress monitor: same as for compression library.

As with compression, the data source manager, error handler, and progress monitor are candidates for replacement by a surrounding application.
*** Decompression input and output separation ***

To support efficient incremental display of progressive JPEG files, the decompressor is divided into two sections that can run independently:

1. Data input includes marker parsing, entropy decoding, and input into the coefficient controller's DCT coefficient buffer. Note that this processing is relatively cheap and fast.

2. Data output reads from the DCT coefficient buffer and performs the IDCT and all postprocessing steps.

For a progressive JPEG file, the data input processing is allowed to get arbitrarily far ahead of the data output processing. (This occurs only if the application calls jpeg_consume_input(); otherwise input and output run in lockstep, since the input section is called only when the output section needs more data.) In this way the application can avoid making extra display passes when data is arriving faster than the display pass can run. Furthermore, it is possible to abort an output pass without losing anything, since the coefficient buffer is read-only as far as the output section is concerned. See libjpeg.txt for more detail.

A full-image coefficient array is only created if the JPEG file has multiple scans (or if the application specifies buffered-image mode anyway). When reading a single-scan file, the coefficient controller normally creates only a one-MCU buffer, so input and output processing must run in lockstep in this case. jpeg_consume_input() is effectively a no-op in this situation.

The main impact of dividing the decompressor in this fashion is that we must be very careful with shared variables in the cinfo data structure. Each variable that can change during the course of decompression must be classified as belonging to data input or data output, and each section must look only at its own variables. For example, the data output section may not depend on any of the variables that describe the current scan in the JPEG file, because these may change as the data input section advances into a new scan.

The progress monitor is (somewhat arbitrarily) defined to treat input of the file as one pass when buffered-image mode is not used, and to ignore data input work completely when buffered-image mode is used. Note that the library has no reliable way to predict the number of passes when dealing with a progressive JPEG file, nor can it predict the number of output passes in buffered-image mode. So the work estimate is inherently bogus anyway.

No comparable division is currently made in the compression library, because there isn't any real need for it.
*** Data formats ***

Arrays of pixel sample values use the following data structure:

```c
typedef something JSAMPLE;  // a pixel component value, 0..MAXJSAMPLE
typedef JSAMPLE *JSAMPROW;  // ptr to a row of samples
typedef JSAMPROW *JSAMPARRAY;  // ptr to a list of rows
typedef JSAMPARRAY *JSAMPIMAGE;  // ptr to a list of color-component arrays
```

The basic element type JSAMPLE will typically be one of unsigned char, (signed) char, or short. Short will be used if samples wider than 8 bits are to be supported (this is a compile-time option). Otherwise, unsigned char is used if possible. If the compiler only supports signed chars, then it is necessary to mask off the value when reading. Thus, all reads of JSAMPLE values must be coded as "GETJSAMPLE(value)", where the macro will be defined as ":((value) & 0xFF)" on signed-char machines and "(((int) (value)))" elsewhere.

With these conventions, JSAMPLE values can be assumed to be >= 0. This helps simplify correct rounding during downsampling, etc. The JPEG standard's specification that sample values run from -128..127 is accommodated by subtracting 128 from the sample value in the DCT step. Similarly, during decompression the output of the IDCT step will be immediately shifted back to 0..255. (NB: different values are required when 12-bit samples are in use. The code is written in terms of MAXJSAMPLE and CENTERJSAMPLE, which will be defined as 255 and 128 respectively in an 8-bit implementation, and as 4095 and 2048 in a 12-bit implementation.)

We use a pointer per row, rather than a two-dimensional JSAMPLE array. This choice costs only a small amount of memory and has several benefits:

* Code using the data structure doesn't need to know the allocated width of the rows. This simplifies edge expansion/compression, since we can work in an array that's wider than the logical picture width.
* Indexing doesn't require multiplication; this is a performance win on many machines.
* Arrays with more than 64K total elements can be supported even on machines where malloc() cannot allocate chunks larger than 64K.
* The rows forming a component array may be allocated at different times without extra copying. This trick allows some speedups in smoothing steps that need access to the previous and next rows.

Note that each color component is stored in a separate array; we don't use the traditional layout in which the components of a pixel are stored together. This simplifies coding of modules that work on each component independently, because they don't need to know how many components there are. Furthermore, we can read or write each component to a temporary file independently, which is helpful when dealing with noninterleaved JPEG files.
In general, a specific sample value is accessed by code such as
GETJSAMPLE(image[colorcomponent][row][col])
where col is measured from the image left edge, but row is measured from the
first sample row currently in memory. Either of the first two indexings can
be precomputed by copying the relevant pointer.

Since most image-processing applications prefer to work on images in which
the components of a pixel are stored together, the data passed to or from the
surrounding application uses the traditional convention: a single pixel is
represented by N consecutive JSAMPLE values, and an image row is an array of
(# of color components)*(image width) JSAMPLEs. One or more rows of data can
be represented by a pointer of type JSAMPARRAY in this scheme. This scheme is
converted to component-wise storage inside the JPEG library. (Applications
that want to skip JPEG preprocessing or postprocessing will have to contend
with component-wise storage.)

Arrays of DCT-coefficient values use the following data structure:

typedef short JCOEF; a 16-bit signed integer
typedef JCOEF JBLOCK[DCTSIZE2]; an 8x8 block of coefficients
typedef JBLOCK *JBLOCKROW; ptr to one horizontal row of 8x8 blocks
typedef JBLOCKROW *JBLOCKARRAY; ptr to a list of such rows
typedef JBLOCKARRAY *JBLOCKIMAGE; ptr to a list of color component arrays

The underlying type is at least a 16-bit signed integer; while "short" is big
enough on all machines of interest, on some machines it is preferable to use
"int" for speed reasons, despite the storage cost. Coefficients are grouped
into 8x8 blocks (but we always use #defines DCTSIZE and DCTSIZE2 rather than
"8" and "64").

The contents of a coefficient block may be in either "natural" or zigzagged
order, and may be true values or divided by the quantization coefficients,
depending on where the block is in the processing pipeline. In the current
library, coefficient blocks are kept in natural order everywhere; the entropy
codes zigzag or dezigzag the data as it is written or read. The blocks
contain quantized coefficients everywhere outside the DCT/IDCT subsystems.
(This latter decision may need to be revisited to support variable
quantization a la JPEG Part 3.)

Notice that the allocation unit is now a row of 8x8 blocks, corresponding to
eight rows of samples. Otherwise the structure is much the same as for
samples, and for the same reasons.

On machines where malloc() can't handle a request bigger than 64Kb, this data
structure limits us to rows of less than 512 JBLOCKs, or a picture width of
4000+ pixels. This seems an acceptable restriction.
On 80x86 machines, the bottom-level pointer types (JSAMPROW and JBLOCKROW) must be declared as "far" pointers, but the upper levels can be "near" (implying that the pointer lists are allocated in the DS segment). We use a #define symbol FAR, which expands to the “far” keyword when compiling on 80x86 machines and to nothing elsewhere.

*** Suspendable processing ***

In some applications it is desirable to use the JPEG library as an incremental, memory-to-memory filter. In this situation the data source or destination may be a limited-size buffer, and we can't rely on being able to empty or refill the buffer at arbitrary times. Instead the application would like to have control return from the library at buffer overflow/underrun, and then resume compression or decompression at a later time.

This scenario is supported for simple cases. (For anything more complex, we recommend that the application "bite the bullet" and develop real multitasking capability.) The libjpeg.txt file goes into more detail about the usage and limitations of this capability; here we address the implications for library structure.

The essence of the problem is that the entropy codec (coder or decoder) must be prepared to stop at arbitrary times. In turn, the controllers that call the entropy codec must be able to stop before having produced or consumed all the data that they normally would handle in one call. That part is reasonably straightforward: we make the controller call interfaces include "progress counters" which indicate the number of data chunks successfully processed, and we require callers to test the counter rather than just assume all of the data was processed.

Rather than trying to restart at an arbitrary point, the current Huffman codecs are designed to restart at the beginning of the current MCU after a suspension due to buffer overflow/underrun. At the start of each call, the codec's internal state is loaded from permanent storage (in the JPEG object structures) into local variables. On successful completion of the MCU, the permanent state is updated. (This copying is not very expensive, and may even lead to *improved* performance if the local variables can be registerized.) If a suspension occurs, the codec simply returns without updating the state, thus effectively reverting to the start of the MCU. Note that this implies leaving some data unprocessed in the source/destination buffer (ie, the compressed partial MCU). The data source/destination module interfaces are specified so as to make this possible. This also implies that the data buffer must be large enough to hold a worst-case compressed MCU; a couple thousand bytes should be enough.
In a successive-approximation AC refinement scan, the progressive Huffman decoder has to be able to undo assignments of newly nonzero coefficients if it suspends before the MCU is complete, since decoding requires distinguishing previously-zero and previously-nonzero coefficients. This is a bit tedious but probably won't have much effect on performance. Other variants of Huffman decoding need not worry about this, since they will just store the same values again if forced to repeat the MCU.

This approach would probably not work for an arithmetic codec, since its modifiable state is quite large and couldn't be copied cheaply. Instead it would have to suspend and resume exactly at the point of the buffer end.

The JPEG marker reader is designed to cope with suspension at an arbitrary point. It does so by backing up to the start of the marker parameter segment, so the data buffer must be big enough to hold the largest marker of interest. Again, a couple KB should be adequate. (A special "skip" convention is used to bypass COM and APPn markers, so these can be larger than the buffer size without causing problems; otherwise a 64K buffer would be needed in the worst case.)

The JPEG marker writer currently does *not* cope with suspension. We feel that this is not necessary; it is much easier simply to require the application to ensure there is enough buffer space before starting. (An empty 2K buffer is more than sufficient for the header markers; and ensuring there are a dozen or two bytes available before calling jpeg_finish_compress() will suffice for the trailer.) This would not work for writing multi-scan JPEG files, but we simply do not intend to support that capability with suspension.

*** Memory manager services ***

The JPEG library's memory manager controls allocation and deallocation of memory, and it manages large "virtual" data arrays on machines where the operating system does not provide virtual memory. Note that the same memory manager serves both compression and decompression operations.

In all cases, allocated objects are tied to a particular compression or decompression master record, and they will be released when that master record is destroyed.

The memory manager does not provide explicit deallocation of objects. Instead, objects are created in "pools" of free storage, and a whole pool can be freed at once. This approach helps prevent storage-leak bugs, and it speeds up operations whenever malloc/free are slow (as they often are). The pools can be regarded as lifetime identifiers for objects. Two pools/lifetimes are defined:
* JPOOL_PERMANENT lasts until master record is destroyed
The memory manager deals with three kinds of object:

1. "Small" objects. Typically these require no more than 10K-20K total.

2. "Large" objects. These may require tens to hundreds of K depending on image size. Semantically they behave the same as small objects, but we distinguish them for two reasons:
   * On MS-DOS machines, large objects are referenced by FAR pointers, small objects by NEAR pointers.
   * Pool allocation heuristics may differ for large and small objects.

3. "Virtual" objects. These are large 2-D arrays of JSAMPLEs or JBLOCKs (typically large enough for the entire image being processed). The memory manager provides stripwise access to these arrays. On machines without virtual memory, the rest of the array may be swapped out to a temporary file.

(Note: JSAMPARRAY and JBLOCKARRAY data structures are a combination of large objects for the data proper and small objects for the row pointers. For convenience and speed, the memory manager provides single routines to create these structures. Similarly, virtual arrays include a small control block and a JSAMPARRAY or JBLOCKARRAY working buffer, all created with one call.)

In the present implementation, virtual arrays are only permitted to have image lifespan. (Permanent lifespan would not be reasonable, and pass lifespan is not very useful since a virtual array's raison d'etre is to store data for multiple passes through the image.) We also expect that only "small" objects will be given permanent lifespan, though this restriction is not required by the memory manager.

In a non-virtual-memory machine, some performance benefit can be gained by making the in-memory buffers for virtual arrays be as large as possible. (For small images, the buffers might fit entirely in memory, so blind swapping would be very wasteful.) The memory manager will adjust the height of the buffers to fit within a prespecified maximum memory usage. In order to do this in a reasonably optimal fashion, the manager needs to allocate all of the virtual arrays at once. Therefore, there isn't a one-step allocation routine for virtual arrays; instead, there is a "request" routine that simply allocates the control block, and a "realize" routine (called just once) that determines space allocation and creates all of the actual buffers. The
realize routine must allow for space occupied by non-virtual large objects. (We don’t bother to factor in the space needed for small objects, on the grounds that it isn’t worth the trouble.)

To support all this, we establish the following protocol for doing business with the memory manager:

1. Modules must request virtual arrays (which may have only image lifespan) during the initial setup phase, i.e., in their jinit_xxx routines.
2. All “large” objects (including JSAMPARRAYs and JBLOCKARRAYs) must also be allocated during initial setup.
3. realize_virt_arrays will be called at the completion of initial setup.

The above conventions ensure that sufficient information is available for it to choose a good size for virtual array buffers.

Small objects of any lifespan may be allocated at any time. We expect that the total space used for small objects will be small enough to be negligible in the realize_virt_arrays computation.

In a virtual-memory machine, we simply pretend that the available space is infinite, thus causing realize_virt_arrays to decide that it can allocate all the virtual arrays as full-size in-memory buffers. The overhead of the virtual-array access protocol is very small when no swapping occurs.

A virtual array can be specified to be “pre-zeroed”; when this flag is set, never-yet-written sections of the array are set to zero before being made available to the caller. If this flag is not set, never-written sections of the array contain garbage. (This feature exists primarily because the equivalent logic would otherwise be needed in jdcoefct.c for progressive JPEG mode; we may as well make it available for possible other uses.)

The first write pass on a virtual array is required to occur in top-to-bottom order; read passes, as well as any write passes after the first one, may access the array in any order. This restriction exists partly to simplify the virtual array control logic, and partly because some file systems may not support seeking beyond the current end-of-file in a temporary file. The main implication of this restriction is that rearrangement of rows (such as converting top-to-bottom data order to bottom-to-top) must be handled while reading data out of the virtual array, not while putting it in.

*** Memory manager internal structure ***

To isolate system dependencies as much as possible, we have broken the memory manager into two parts. There is a reasonably system-independent “front end” (jmemmgr.c) and a “back end” that contains only the code likely to change across systems. All of the memory management methods outlined above are implemented by the front end. The back end provides the following routines for use by the front end (none of these routines are known to the rest of the JPEG code):
jpeg_mem_init, jpeg_mem_term system-dependent initialization/shutdown

jpeg_get_small, jpeg_free_small interface to malloc and free library routines
(or their equivalents)

jpeg_get_large, jpeg_free_large interface to FAR malloc/free in MSDOS machines;
else usually the same as
jpeg_get_small/jpeg_free_small

jpeg_mem_available estimate available memory

jpeg_open_backing_store create a backing-store object

read_backing_store, manipulate a backing-store object
write_backing_store,
close_backing_store

On some systems there will be more than one type of backing-store object
(specifically, in MS-DOS a backing store file might be an area of extended
memory as well as a disk file). jpeg_open_backing_store is responsible for
choosing how to implement a given object. The read/write/close routines
are method pointers in the structure that describes a given object; this
lets them be different for different object types.

It may be necessary to ensure that backing store objects are explicitly
released upon abnormal program termination. For example, MS-DOS won't free
extended memory by itself. To support this, we will expect the main program
or surrounding application to arrange to call self_destruct (typically via
jpeg_destroy) upon abnormal termination. This may require a SIGINT signal
handler or equivalent. We don't want to have the back end module install its
own signal handler, because that would pre-empt the surrounding application's
ability to control signal handling.

The IJG distribution includes several memory manager back end implementations.
Usually the same back end should be suitable for all applications on a given
system, but it is possible for an application to supply its own back end at
need.

*** Implications of DNL marker ***

Some JPEG files may use a DNL marker to postpone definition of the image
height (this would be useful for a fax-like scanner's output, for instance).
In these files the SOF marker claims the image height is 0, and you only
find out the true image height at the end of the first scan.

We could read these files as follows:
1. Upon seeing zero image height, replace it by 65535 (the maximum allowed).
2. When the DNL is found, update the image height in the global image descriptor.
   This implies that control modules must avoid making copies of the image height, and must re-test for termination after each MCU row. This would be easy enough to do.

In cases where image-size data structures are allocated, this approach will result in very inefficient use of virtual memory or much-larger-than-necessary temporary files. This seems acceptable for something that probably won't be a mainstream usage. People might have to forgo use of memory-hogging options (such as two-pass color quantization or noninterleaved JPEG files) if they want efficient conversion of such files. (One could improve efficiency by demanding a user-supplied upper bound for the height, less than 65536; in most cases it could be much less.)

The standard also permits the SOF marker to overestimate the image height, with a DNL to give the true, smaller height at the end of the first scan. This would solve the space problems if the overestimate wasn't too great. However, it implies that you don't even know whether DNL will be used.

This leads to a couple of very serious objections:
1. Testing for a DNL marker must occur in the inner loop of the decompressor's Huffman decoder; this implies a speed penalty whether the feature is used or not.
2. There is no way to hide the last-minute change in image height from an application using the decoder. Thus *every* application using the IJG library would suffer a complexity penalty whether it cared about DNL or not.

We currently do not support DNL because of these problems.

A different approach is to insist that DNL-using files be preprocessed by a separate program that reads ahead to the DNL, then goes back and fixes the SOF marker. This is a much simpler solution and is probably far more efficient. Even if one wants piped input, buffering the first scan of the JPEG file needs a lot smaller temp file than is implied by the maximum-height method. For this approach we'd simply treat DNL as a no-op in the decompressor (at most, check that it matches the SOF image height).

We will not worry about making the compressor capable of outputting DNL. Something similar to the first scheme above could be applied if anyone ever wants to make that work.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/structure.txt
No license file was found, but licenses were detected in source scan.
/*
 * transupp.c
 *
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 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains image transformation routines and other utility code
 * used by the jpegtran sample application. These are NOT part of the core
 * JPEG library. But we keep these routines separate from jpegtran.c to
 * ease the task of maintaining jpegtran-like programs that have other user
 * interfaces.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/transupp.c
No license file was found, but licenses were detected in source scan.

/*
 * jidctflt.c
 *
 * Copyright (C) 1994-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains a floating-point implementation of the
 * inverse DCT (Discrete Cosine Transform). In the IJG code, this routine
 * must also perform dequantization of the input coefficients.
 *
 * This implementation should be more accurate than either of the integer
 * IDCT implementations. However, it may not give the same results on all
 * machines because of differences in roundoff behavior. Speed will depend
 * on the hardware's floating point capacity.
 *
 * A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT
 * on each row (or vice versa, but it's more convenient to emit a row at
 * a time). Direct algorithms are also available, but they are much more
 * complex and seem not to be any faster when reduced to code.
 *
 * This implementation is based on Arai, Agui, and Nakajima's algorithm for
 * scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
 * Japanese, but the algorithm is described in the Pennebaker & Mitchell
 * JPEG textbook (see REFERENCES section in file README). The following code
 * is based directly on figure 4-8 in P&M.
 * While an 8-point DCT cannot be done in less than 11 multiplies, it is
* possible to arrange the computation so that many of the multiplies are
* simple scalings of the final outputs. These multiplies can then be
* folded into the multiplications or divisions by the JPEG quantization
* table entries. The AA&N method leaves only 5 multiplies and 29 adds
* to be done in the DCT itself.
* The primary disadvantage of this method is that with a fixed-point
* implementation, accuracy is lost due to imprecise representation of the
* scaled quantization values. However, that problem does not arise if
* we use floating point arithmetic.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jidctflt.c
No license file was found, but licenses were detected in source scan.

/*
* jcphuff.c
*
* Copyright (C) 1995-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains Huffman entropy encoding routines for progressive JPEG.
*
* We do not support output suspension in this module, since the library
* currently does not allow multiple-scan files to be written with output
* suspension.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jcphuff.c
No license file was found, but licenses were detected in source scan.

IJG JPEG LIBRARY: CODING RULES

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Since numerous people will be contributing code and bug fixes, it's important
to establish a common coding style. The goal of using similar coding styles
is much more important than the details of just what that style is.

In general we follow the recommendations of "Recommended C Style and Coding
Standards" revision 6.1 (Cannon et al. as modified by Spencer, Keppel and
Block comments should be laid out thusly:

/*
 *  Block comments in this style.
 */

We indent statements in K&R style, e.g.,
if (test) {
    then-part;
} else {
    else-part;
}

with two spaces per indentation level. (This indentation convention is handled automatically by GNU Emacs and many other text editors.)

Multi-word names should be written in lower case with underscores, e.g.,
multi_word_name (not multiWordName). Preprocessor symbols and enum constants are similar but upper case (MULTI_WORD_NAME). Names should be unique within the first fifteen characters. (On some older systems, global names must be unique within six characters. We accommodate this without cluttering the source code by using macros to substitute shorter names.)

We use function prototypes everywhere; we rely on automatic source code transformation to feed prototype-less C compilers. Transformation is done by the simple and portable tool 'ansi2knr.c' (courtesy of Ghostscript). ansi2knr is not very bright, so it imposes a format requirement on function declarations: the function name MUST BEGIN IN COLUMN 1. Thus all functions should be written in the following style:

LOCAL(int *)
function_name (int a, char *b)
{
    code...
}

Note that each function definition must begin with GLOBAL(type), LOCAL(type), or METHODDEF(type). These macros expand to "static type" or just "type" as appropriate. They provide a readable indication of the routine's usage and can readily be changed for special needs. (For instance, special linkage keywords can be inserted for use in Windows DLLs.)

ansi2knr does not transform method declarations (function pointers in structs). We handle these with a macro JMETHOD, defined as

#ifdef HAVE_PROTOTYPES
#define JMETHOD(type,methodname,arglist)  type (*methodname) arglist
#endif
#else
#define JMETHOD(type,methodname,arglist)  type (*methodname) ()
#endif

which is used like this:

```c
struct function_pointers {
    JMETHOD(void, init_entropy_encoder, (int somearg, jparms *jp));
    JMETHOD(void, term_entropy_encoder, (void));
};
```

Note the set of parentheses surrounding the parameter list.

A similar solution is used for forward and external function declarations (see the EXTERN and JPP macros).

If the code is to work on non-ANSI compilers, we cannot rely on a prototype declaration to coerce actual parameters into the right types. Therefore, use explicit casts on actual parameters whenever the actual parameter type is not identical to the formal parameter. Beware of implicit conversions to “int”.

It seems there are some non-ANSI compilers in which the sizeof() operator is defined to return int, yet size_t is defined as long. Needless to say, this is brain-damaged. Always use the SIZEOF() macro in place of sizeof(), so that the result is guaranteed to be of type size_t.

The JPEG library is intended to be used within larger programs. Furthermore, we want it to be reentrant so that it can be used by applications that process multiple images concurrently. The following rules support these requirements:

1. Avoid direct use of file I/O, "malloc", error report printouts, etc; pass these through the common routines provided.

2. Minimize global namespace pollution. Functions should be declared static wherever possible. (Note that our method-based calling conventions help this a lot: in many modules only the initialization function will ever need to be called directly, so only that function need be externally visible.) All global function names should begin with "jpeg_", and should have an abbreviated name (unique in the first six characters) substituted by macro when NEED_SHORT_EXTERNAL_NAMES is set.

3. Don't use global variables; anything that must be used in another module should be in the common data structures.

4. Don't use static variables except for read-only constant tables. Variables that should be private to a module can be placed into private structures (see the system architecture document, structure.txt).

5. Source file names should begin with "j" for files that are part of the library proper; source files that are not part of the library, such as cjpeg.c
and djpeg.c, do not begin with "\j". Keep source file names to eight characters (plus ".c" or ".h", etc) to make life easy for MS-DOSers. Keep compression and decompression code in separate source files --- some applications may want only one half of the library.

Note: these rules (particularly #4) are not followed religiously in the modules that are used in cjpeg/djpeg but are not part of the JPEG library proper. Those modules are not really intended to be used in other applications.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYjW4/libjpeg-turbo-1.2.90/coderules.txt
No license file was found, but licenses were detected in source scan.

/*
 * wrbmp.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
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 *
 * This file contains routines to write output images in Microsoft "BMP"
 * format (MS Windows 3.x and OS/2 1.x flavors).
 * Either 8-bit colormapped or 24-bit full-color format can be written.
 * No compression is supported.
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume output to
 * an ordinary stdio stream.
 *
 * This code contributed by James Arthur Boucher.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYjW4/libjpeg-turbo-1.2.90/wrbmp.c
No license file was found, but licenses were detected in source scan.

/*
 * jmorecfg.h
 *
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 */
* This file contains additional configuration options that customize the
* JPEG software for special applications or support machine-dependent
* optimizations. Most users will not need to touch this file.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jmorecfg.h
No license file was found, but licenses were detected in source scan.

/*
 * jccolext.c
 *
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* For conditions of distribution and use, see the accompanying README file.
 *
* This file contains input colorspace conversion routines.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jccolext.c
No license file was found, but licenses were detected in source scan.

/*
 * jdcolor.c
 *
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modified 2011 by Guido Vollbeding.
* Modifications:
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright (C) 2009, 2011-2012, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
 *
* This file contains output colorspace conversion routines.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jdcolor.c
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/*
 * jdatasrc-tj.c

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    * For conditions of distribution and use, see the accompanying README file.

This file contains decompression data source routines for the case of
reading JPEG data from memory or from a file (or any stdio stream).
While these routines are sufficient for most applications,
some will want to use a different source manager.
IMPORTANT: we assume that fread() will correctly transcribe an array of
JOCTETs from 8-bit-wide elements on external storage. If char is wider
than 8 bits on your machine, you may need to do some tweaking.
*/

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

This file contains software version identification.
*/

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

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# Redistribution and use in source and binary forms, with or without
# modification, are permitted provided that the following conditions are met:
# - Redistributions of source code must retain the above copyright notice,
#   this list of conditions and the following disclaimer.
# - Redistributions in binary form must reproduce the above copyright notice,
#   this list of conditions and the following disclaimer in the documentation
# - Neither the name of the libjpeg-turbo Project nor the names of its
#   software without specific prior written permission.
/*
 * jcmarker.c
 *
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 * Copyright (C) 1991-1998, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to write JPEG datastream markers.
 */

USING THE IJG JPEG LIBRARY

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For conditions of distribution and use, see the accompanying README file.

This file describes how to use the IJG JPEG library within an application program. Read it if you want to write a program that uses the library.

The file example.c provides heavily commented skeleton code for calling the JPEG library. Also see jpeglib.h (the include file to be used by application programs) for full details about data structures and function parameter lists. The library source code, of course, is the ultimate reference.

Note that there have been *major* changes from the application interface presented by IJG version 4 and earlier versions. The old design had several inherent limitations, and it had accumulated a lot of cruft as we added features while trying to minimize application-interface changes. We have sacrificed backward compatibility in the version 5 rewrite, but we think the improvements justify this.
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You should read at least the overview and basic usage sections before trying to program with the library. The sections on advanced features can be read if and when you need them.

OVERVIEW
========

Functions provided by the library

The IJG JPEG library provides C code to read and write JPEG-compressed image files. The surrounding application program receives or supplies image data a scanline at a time, using a straightforward uncompressed image format. All details of color conversion and other preprocessing/postprocessing can be handled by the library.
The library includes a substantial amount of code that is not covered by the JPEG standard but is necessary for typical applications of JPEG. These functions preprocess the image before JPEG compression or postprocess it after decompression. They include colorspace conversion, downsampling/upsampling, and color quantization. The application indirectly selects use of this code by specifying the format in which it wishes to supply or receive image data. For example, if colormapped output is requested, then the decompression library automatically invokes color quantization.

A wide range of quality vs. speed tradeoffs are possible in JPEG processing, and even more so in decompression postprocessing. The decompression library provides multiple implementations that cover most of the useful tradeoffs, ranging from very-high-quality down to fast-preview operation. On the compression side we have generally not provided low-quality choices, since compression is normally less time-critical. It should be understood that the low-quality modes may not meet the JPEG standard's accuracy requirements; nonetheless, they are useful for viewers.

A word about functions *not* provided by the library. We handle a subset of the ISO JPEG standard; most baseline, extended-sequential, and progressive JPEG processes are supported. (Our subset includes all features now in common use.) Unsupported ISO options include:

* Hierarchical storage
* Lossless JPEG
* DNL marker
* Nonintegral subsampling ratios

We support both 8- and 12-bit data precision, but this is a compile-time choice rather than a run-time choice; hence it is difficult to use both precisions in a single application.

By itself, the library handles only interchange JPEG datastreams --- in particular the widely used JFIF file format. The library can be used by surrounding code to process interchange or abbreviated JPEG datastreams that are embedded in more complex file formats. (For example, this library is used by the free LIBTIFF library to support JPEG compression in TIFF.)

Outline of typical usage
------------------------

The rough outline of a JPEG compression operation is:

Allocate and initialize a JPEG compression object
Specify the destination for the compressed data (eg, a file)
Set parameters for compression, including image size & colorspace
jpeg_start_compress(...);
while (scan lines remain to be written)
jpeg_write_scanlines(...);
jpeg_finish_compress(...);
Release the JPEG compression object

A JPEG compression object holds parameters and working state for the JPEG library. We make creation/destruction of the object separate from starting or finishing compression of an image; the same object can be re-used for a series of image compression operations. This makes it easy to re-use the same parameter settings for a sequence of images. Re-use of a JPEG object also has important implications for processing abbreviated JPEG datastreams, as discussed later.

The image data to be compressed is supplied to jpeg_write_scanlines() from in-memory buffers. If the application is doing file-to-file compression, reading image data from the source file is the application's responsibility. The library emits compressed data by calling a "data destination manager", which typically will write the data into a file; but the application can provide its own destination manager to do something else.

Similarly, the rough outline of a JPEG decompression operation is:

Allocate and initialize a JPEG decompression object
Specify the source of the compressed data (eg, a file)
Call jpeg_read_header() to obtain image info
Set parameters for decompression
jpeg_start_decompress(...);
while (scan lines remain to be read)
  jpeg_read_scanlines(...);
  jpeg_finish_decompress(...);
Release the JPEG decompression object

This is comparable to the compression outline except that reading the datastream header is a separate step. This is helpful because information about the image's size, colorspace, etc is available when the application selects decompression parameters. For example, the application can choose an output scaling ratio that will fit the image into the available screen size.

The decompression library obtains compressed data by calling a data source manager, which typically will read the data from a file; but other behaviors can be obtained with a custom source manager. Decompressed data is delivered into in-memory buffers passed to jpeg_read_scanlines().

It is possible to abort an incomplete compression or decompression operation by calling jpeg_abort(); or, if you do not need to retain the JPEG object, simply release it by calling jpeg_destroy().

JPEG compression and decompression objects are two separate struct types. However, they share some common fields, and certain routines such as
jpeg_destroy() can work on either type of object.

The JPEG library has no static variables: all state is in the compression or decompression object. Therefore it is possible to process multiple compression and decompression operations concurrently, using multiple JPEG objects.

Both compression and decompression can be done in an incremental memory-to-memory fashion, if suitable source/destination managers are used. See the section on "I/O suspension" for more details.

BASIC LIBRARY USAGE
===================

Data formats
-------------

Before diving into procedural details, it is helpful to understand the image data format that the JPEG library expects or returns.

The standard input image format is a rectangular array of pixels, with each pixel having the same number of "component" or "sample" values (color channels). You must specify how many components there are and the colorspace interpretation of the components. Most applications will use RGB data (three components per pixel) or grayscale data (one component per pixel).

PLEASE NOTE THAT RGB DATA IS THREE SAMPLES PER PIXEL, GRAYSCALE ONLY ONE. A remarkable number of people manage to miss this, only to find that their programs don't work with grayscale JPEG files.

There is no provision for colormapped input. JPEG files are always full-color or full grayscale (or sometimes another colorspace such as CMYK). You can feed in a colormapped image by expanding it to full-color format. However JPEG often doesn't work very well with source data that has been colormapped, because of dithering noise. This is discussed in more detail in the JPEG FAQ and the other references mentioned in the README file.

Pixels are stored by scanlines, with each scanline running from left to right. The component values for each pixel are adjacent in the row; for example, R,G,B,R,G,B,R,G,B,... for 24-bit RGB color. Each scanline is an array of data type JSAMPLE --- which is typically "unsigned char", unless you've changed jmorecfg.h. (You can also change the RGB pixel layout, say to B,G,R order, by modifying jmorecfg.h. But see the restrictions listed in that file before doing so.)

A 2-D array of pixels is formed by making a list of pointers to the starts of scanlines; so the scanlines need not be physically adjacent in memory. Even if you process just one scanline at a time, you must make a one-element
pointer array to conform to this structure. Pointers to JSAMPLE rows are of
type JSAMPLROW, and the pointer to the pointer array is of type JSAMPARRAY.

The library accepts or supplies one or more complete scanlines per call.
It is not possible to process part of a row at a time. Scanlines are always
processed top-to-bottom. You can process an entire image in one call if you
have it all in memory, but usually it's simplest to process one scanline at
time.

For best results, source data values should have the precision specified by
BITS_IN_JSAMPLE (normally 8 bits). For instance, if you choose to compress
data that's only 6 bits/channel, you should left-justify each value in a
byte before passing it to the compressor. If you need to compress data
that has more than 8 bits/channel, compile with BITS_IN_JSAMPLE = 12.
(See "Library compile-time options", later.)

The data format returned by the decompressor is the same in all details,
except that colormapped output is supported. (Again, a JPEG file is never
colormapped. But you can ask the decompressor to perform on-the-fly color
quantization to deliver colormapped output.) If you request colormapped
output then the returned data array contains a single JSAMPLE per pixel;
its value is an index into a color map. The color map is represented as
a 2-D JSAMPARRAY in which each row holds the values of one color component,
that is, colormap[i][j] is the value of the i'th color component for pixel
value (map index) j. Note that since the colormap indexes are stored in
JSAMPLEs, the maximum number of colors is limited by the size of JSAMPLE
(ie, at most 256 colors for an 8-bit JPEG library).

Compression details
---------------------

Here we revisit the JPEG compression outline given in the overview.

1. Allocate and initialize a JPEG compression object.

A JPEG compression object is a "struct jpeg_compress_struct". (It also has
a bunch of subsidiary structures which are allocated via malloc(), but the
application doesn't control those directly.) This struct can be just a local
variable in the calling routine, if a single routine is going to execute the
whole JPEG compression sequence. Otherwise it can be static or allocated
from malloc().

You will also need a structure representing a JPEG error handler. The part
of this that the library cares about is a "struct jpeg_error_mgr". If you
are providing your own error handler, you'll typically want to embed the
jpeg_error_mgr struct in a larger structure; this is discussed later under
"Error handling". For now we'll assume you are just using the default error handler. The default error handler will print JPEG error/warning messages on stderr, and it will call exit() if a fatal error occurs.

You must initialize the error handler structure, store a pointer to it into the JPEG object's "err" field, and then call jpeg_create_compress() to initialize the rest of the JPEG object.

Typical code for this step, if you are using the default error handler, is

```c
struct jpeg_compress_struct cinfo;
struct jpeg_error_mgr jerr;
...
cinfo.err = jpeg_std_error(&jerr);
jpeg_create_compress(&cinfo);
```

jpeg_create_compress allocates a small amount of memory, so it could fail if you are out of memory. In that case it will exit via the error handler; that's why the error handler must be initialized first.

2. Specify the destination for the compressed data (eg, a file).

As previously mentioned, the JPEG library delivers compressed data to a "data destination" module. The library includes one data destination module which knows how to write to a stdio stream. You can use your own destination module if you want to do something else, as discussed later.

If you use the standard destination module, you must open the target stdio stream beforehand. Typical code for this step looks like:

```c
FILE * outfile;
...
if ((outfile = fopen(filename, "wb")) == NULL) {
    fprintf(stderr, "can't open %s\n", filename);
    exit(1);
}
jpeg_stdio_dest(&cinfo, outfile);
```

where the last line invokes the standard destination module.

WARNING: it is critical that the binary compressed data be delivered to the output file unchanged. On non-Unix systems the stdio library may perform newline translation or otherwise corrupt binary data. To suppress this behavior, you may need to use a "b" option to fopen (as shown above), or use setmode() or another routine to put the stdio stream in binary mode. See cjpeg.c and djpeg.c for code that has been found to work on many systems.
You can select the data destination after setting other parameters (step 3), if that's more convenient. You may not change the destination between calling jpeg_start_compress() and jpeg_finish_compress().

3. Set parameters for compression, including image size & colorspace.

You must supply information about the source image by setting the following fields in the JPEG object (cinfo structure):

image_width
Width of image, in pixels
image_height
Height of image, in pixels
input_components
Number of color channels (samples per pixel)
in_color_space
Color space of source image

The image dimensions are, hopefully, obvious. JPEG supports image dimensions of 1 to 64K pixels in either direction. The input color space is typically RGB or grayscale, and input_components is 3 or 1 accordingly. (See "Special color spaces", later, for more info.) The in_color_space field must be assigned one of the J_COLOR_SPACE enum constants, typically JCS_RGB or JCS_GRAYSCALE.

JPEG has a large number of compression parameters that determine how the image is encoded. Most applications don't need or want to know about all these parameters. You can set all the parameters to reasonable defaults by calling jpeg_set_defaults(); then, if there are particular values you want to change, you can do so after that. The "Compression parameter selection" section tells about all the parameters.

You must set in_color_space correctly before calling jpeg_set_defaults(), because the defaults depend on the source image colorspace. However the other three source image parameters need not be valid until you call jpeg_start_compress(). There's no harm in calling jpeg_set_defaults() more than once, if that happens to be convenient.

Typical code for a 24-bit RGB source image is

```c
    cinfo.image_width = Width; /* image width and height, in pixels */
    cinfo.image_height = Height;
    cinfo.input_components = 3; /* # of color components per pixel */
    cinfo.in_color_space = JCS_RGB; /* colorspace of input image */

    jpeg_set_defaults(&cinfo);
    /* Make optional parameter settings here */

    4. jpeg_start_compress(...);
```
After you have established the data destination and set all the necessary source image info and other parameters, call jpeg_start_compress() to begin a compression cycle. This will initialize internal state, allocate working storage, and emit the first few bytes of the JPEG datastream header.

Typical code:

jpeg_start_compress(&cinfo, TRUE);

The "TRUE" parameter ensures that a complete JPEG interchange datastream will be written. This is appropriate in most cases. If you think you might want to use an abbreviated datastream, read the section on abbreviated datastreams, below.

Once you have called jpeg_start_compress(), you may not alter any JPEG parameters or other fields of the JPEG object until you have completed the compression cycle.

5. while (scan lines remain to be written)
   jpeg_write_scanlines(...);

Now write all the required image data by calling jpeg_write_scanlines() one or more times. You can pass one or more scanlines in each call, up to the total image height. In most applications it is convenient to pass just one or a few scanlines at a time. The expected format for the passed data is discussed under "Data formats", above.

Image data should be written in top-to-bottom scanline order. The JPEG spec contains some weasel wording about how top and bottom are application-defined terms (a curious interpretation of the English language...) but if you want your files to be compatible with everyone else's, you WILL use top-to-bottom order. If the source data must be read in bottom-to-top order, you can use the JPEG library's virtual array mechanism to invert the data efficiently. Examples of this can be found in the sample application cjpeg.

The library maintains a count of the number of scanlines written so far in the next_scanline field of the JPEG object. Usually you can just use this variable as the loop counter, so that the loop test looks like "while (cinfo.next_scanline < cinfo.image_height)".

Code for this step depends heavily on the way that you store the source data. example.c shows the following code for the case of a full-size 2-D source array containing 3-byte RGB pixels:

JSAMPROW row_pointer[1]; /* pointer to a single row */
int row_stride; /* physical row width in buffer */
row_stride = image_width * 3; /* JSAMPLEs per row in image_buffer */

while (cinfo.next_scanline < cinfo.image_height) {
    row_pointer[0] = & image_buffer[cinfo.next_scanline * row_stride];
    jpeg_write_scanlines(&cinfo, row_pointer, 1);
}

jpeg_write_scanlines() returns the number of scanlines actually written. This will normally be equal to the number passed in, so you can usually ignore the return value. It is different in just two cases:
* If you try to write more scanlines than the declared image height, the additional scanlines are ignored.
* If you use a suspending data destination manager, output buffer overrun will cause the compressor to return before accepting all the passed lines.

This feature is discussed under "I/O suspension", below. The normal stdio destination manager will NOT cause this to happen.
In any case, the return value is the same as the change in the value of next_scanline.

6. jpeg_finish_compress(...);

After all the image data has been written, call jpeg_finish_compress() to complete the compression cycle. This step is ESSENTIAL to ensure that the last bufferload of data is written to the data destination.

jpeg_finish_compress() also releases working memory associated with the JPEG object.

Typical code:

jpeg_finish_compress(&cinfo);

If using the stdio destination manager, don't forget to close the output stdio stream (if necessary) afterwards.

If you have requested a multi-pass operating mode, such as Huffman code optimization, jpeg_finish_compress() will perform the additional passes using data buffered by the first pass. In this case jpeg_finish_compress() may take quite a while to complete. With the default compression parameters, this will not happen.

It is an error to call jpeg_finish_compress() before writing the necessary total number of scanlines. If you wish to abort compression, call jpeg_abort() as discussed below.

After completing a compression cycle, you may dispose of the JPEG object as discussed next, or you may use it to compress another image. In that case return to step 2, 3, or 4 as appropriate. If you do not change the
destination manager, the new datastream will be written to the same target. If you do not change any JPEG parameters, the new datastream will be written with the same parameters as before. Note that you can change the input image dimensions freely between cycles, but if you change the input colorspace, you should call jpeg_set_defaults() to adjust for the new colorspace; and then you'll need to repeat all of step 3.

7. Release the JPEG compression object.

When you are done with a JPEG compression object, destroy it by calling jpeg_destroy_compress(). This will free all subsidiary memory (regardless of the previous state of the object). Or you can call jpeg_destroy(), which works for either compression or decompression objects --- this may be more convenient if you are sharing code between compression and decompression cases. (Actually, these routines are equivalent except for the declared type of the passed pointer. To avoid gripes from ANSI C compilers, jpeg_destroy() should be passed a j_common_ptr.)

If you allocated the jpeg_compress_struct structure from malloc(), freeing it is your responsibility --- jpeg_destroy() won't. Ditto for the error handler structure.

Typical code:

jpeg_destroy_compress(&cinfo);

8. Aborting.

If you decide to abort a compression cycle before finishing, you can clean up in either of two ways:

* If you don't need the JPEG object any more, just call jpeg_destroy_compress() or jpeg_destroy() to release memory. This is legitimate at any point after calling jpeg_create_compress() --- in fact, it's safe even if jpeg_create_compress() fails.

* If you want to re-use the JPEG object, call jpeg_abort_compress(), or call jpeg_abort() which works on both compression and decompression objects. This will return the object to an idle state, releasing any working memory. jpeg_abort() is allowed at any time after successful object creation.

Note that cleaning up the data destination, if required, is your responsibility; neither of these routines will call term_destination(). (See "Compressed data handling", below, for more about that.)

jpeg_destroy() and jpeg_abort() are the only safe calls to make on a JPEG
object that has reported an error by calling error_exit (see "Error handling" for more info). The internal state of such an object is likely to be out of whack. Either of these two routines will return the object to a known state.

Decompression details
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Here we revisit the JPEG decompression outline given in the overview.

1. Allocate and initialize a JPEG decompression object.

   This is just like initialization for compression, as discussed above, except that the object is a "struct jpeg_decompress_struct" and you call jpeg_create_decompress(). Error handling is exactly the same.

   Typical code:

   ```c
   struct jpeg_decompress_struct cinfo;
   struct jpeg_error_mgr jerr;
   ...
   cinfo.err = jpeg_std_error(&jerr);
   jpeg_create_decompress(&cinfo);
   ```

   (Both here and in the IJG code, we usually use variable name "cinfo" for both compression and decompression objects.)

2. Specify the source of the compressed data (eg, a file).

   As previously mentioned, the JPEG library reads compressed data from a "data source" module. The library includes one data source module which knows how to read from a stdio stream. You can use your own source module if you want to do something else, as discussed later.

   If you use the standard source module, you must open the source stdio stream beforehand. Typical code for this step looks like:

   ```c
   FILE * infile;
   ...
   if ((infile = fopen(filename, "rb")) == NULL) {
       fprintf(stderr, "can't open %s\n", filename);
       exit(1);
   }
   jpeg_stdio_src(&cinfo, infile);
   ```

   where the last line invokes the standard source module.
WARNING: it is critical that the binary compressed data be read unchanged. On non-Unix systems the stdio library may perform newline translation or otherwise corrupt binary data. To suppress this behavior, you may need to use a "b" option to fopen (as shown above), or use setmode() or another routine to put the stdio stream in binary mode. See cjpeg.c and djpeg.c for code that has been found to work on many systems.

You may not change the data source between calling jpeg_read_header() and jpeg_finish_decompress(). If you wish to read a series of JPEG images from a single source file, you should repeat the jpeg_read_header() to jpeg_finish_decompress() sequence without reinitializing either the JPEG object or the data source module; this prevents buffered input data from being discarded.

3. Call jpeg_read_header() to obtain image info.

Typical code for this step is just

```c
jpeg_read_header(&cinfo, TRUE);
```

This will read the source datastream header markers, up to the beginning of the compressed data proper. On return, the image dimensions and other info have been stored in the JPEG object. The application may wish to consult this information before selecting decompression parameters.

More complex code is necessary if

* A suspending data source is used --- in that case jpeg_read_header() may return before it has read all the header data. See "I/O suspension", below. The normal stdio source manager will NOT cause this to happen.
* Abbreviated JPEG files are to be processed --- see the section on abbreviated datastreams. Standard applications that deal only in interchange JPEG files need not be concerned with this case either.

It is permissible to stop at this point if you just wanted to find out the image dimensions and other header info for a JPEG file. In that case, call jpeg_destroy() when you are done with the JPEG object, or call jpeg_abort() to return it to an idle state before selecting a new data source and reading another header.

4. Set parameters for decompression.

```c
jpeg_read_header() sets appropriate default decompression parameters based on the properties of the image (in particular, its colorspace). However, you may well want to alter these defaults before beginning the decompression. For example, the default is to produce full color output from a color file. If you want colormapped output you must ask for it. Other options allow the
```
returned image to be scaled and allow various speed/quality tradeoffs to be selected. "Decompression parameter selection", below, gives details.

If the defaults are appropriate, nothing need be done at this step.

Note that all default values are set by each call to jpeg_read_header(). If you reuse a decompression object, you cannot expect your parameter settings to be preserved across cycles, as you can for compression. You must set desired parameter values each time.

5. jpeg_start_decompress(...);

Once the parameter values are satisfactory, call jpeg_start_decompress() to begin decompression. This will initialize internal state, allocate working memory, and prepare for returning data.

Typical code is just

jpeg_start_decompress(&cinfo);

If you have requested a multi-pass operating mode, such as 2-pass color quantization, jpeg_start_decompress() will do everything needed before data output can begin. In this case jpeg_start_decompress() may take quite a while to complete. With a single-scan (non progressive) JPEG file and default decompression parameters, this will not happen; jpeg_start_decompress() will return quickly.

After this call, the final output image dimensions, including any requested scaling, are available in the JPEG object; so is the selected colormap, if colormapped output has been requested. Useful fields include

output_width image width and height, as scaled
output_height
out_color_components # of color components in out_color_space
output_components # of color components returned per pixel
colormap the selected colormap, if any
actual_number_of_colors number of entries in colormap

output_components is 1 (a colormap index) when quantizing colors; otherwise it equals out_color_components. It is the number of JSAMPLE values that will be emitted per pixel in the output arrays.

Typically you will need to allocate data buffers to hold the incoming image. You will need output_width * output_components JSAMPLEs per scanline in your output buffer, and a total of output_height scanlines will be returned.

Note: if you are using the JPEG library's internal memory manager to allocate
data buffers (as djpeg does), then the manager's protocol requires that you request large buffers *before* calling jpeg_start_decompress(). This is a little tricky since the output XXX fields are not normally valid then. You can make them valid by calling jpeg_calc_output_dimensions() after setting the relevant parameters (scaling, output color space, and quantization flag).

6. while (scan lines remain to be read)
   jpeg_read_scanlines(...);

Now you can read the decompressed image data by calling jpeg_read_scanlines() one or more times. At each call, you pass in the maximum number of scanlines to be read (ie, the height of your working buffer); jpeg_read_scanlines() will return up to that many lines. The return value is the number of lines actually read. The format of the returned data is discussed under "Data formats", above. Don't forget that grayscale and color JPEGs will return different data formats!

Image data is returned in top-to-bottom scanline order. If you must write out the image in bottom-to-top order, you can use the JPEG library's virtual array mechanism to invert the data efficiently. Examples of this can be found in the sample application djpeg.

The library maintains a count of the number of scanlines returned so far in the output_scanline field of the JPEG object. Usually you can just use this variable as the loop counter, so that the loop test looks like "while (cinfo.output_scanline < cinfo.output_height)". (Note that the test should NOT be against image_height, unless you never use scaling. The image_height field is the height of the original unscaled image.) The return value always equals the change in the value of output_scanline.

If you don't use a suspending data source, it is safe to assume that jpeg_read_scanlines() reads at least one scanline per call, until the bottom of the image has been reached.

If you use a buffer larger than one scanline, it is NOT safe to assume that jpeg_read_scanlines() fills it. (The current implementation returns only a few scanlines per call, no matter how large a buffer you pass.) So you must always provide a loop that calls jpeg_read_scanlines() repeatedly until the whole image has been read.

7. jpeg_finish_decompress(...);

After all the image data has been read, call jpeg_finish_decompress() to complete the decompression cycle. This causes working memory associated with the JPEG object to be released.
Typical code:

```c
jpeg_finish_decompress(&cinfo);
```

If using the stdio source manager, don't forget to close the source stdio stream if necessary.

It is an error to call `jpeg_finish_decompress()` before reading the correct total number of scanlines. If you wish to abort decompression, call `jpeg_abort()` as discussed below.

After completing a decompression cycle, you may dispose of the JPEG object as discussed next, or you may use it to decompress another image. In that case return to step 2 or 3 as appropriate. If you do not change the source manager, the next image will be read from the same source.

8. Release the JPEG decompression object.

When you are done with a JPEG decompression object, destroy it by calling `jpeg_destroy_decompress()` or `jpeg_destroy()`. The previous discussion of destroying compression objects applies here too.

Typical code:

```c
jpeg_destroy_decompress(&cinfo);
```


You can abort a decompression cycle by calling `jpeg_destroy_decompress()` or `jpeg_destroy()` if you don't need the JPEG object any more, or `jpeg_abort_decompress()` or `jpeg_abort()` if you want to reuse the object. The previous discussion of aborting compression cycles applies here too.

Mechanics of usage: include files, linking, etc

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Applications using the JPEG library should include the header file `jpeglib.h` to obtain declarations of data types and routines. Before including `jpeglib.h`, include system headers that define at least the typedefs `FILE` and `size_t`. On ANSI-conforming systems, including `<stdio.h>` is sufficient; on older Unix systems, you may need `<sys/types.h>` to define `size_t`.

If the application needs to refer to individual JPEG library error codes, also include `jerror.h` to define those symbols.
jpeglib.h indirectly includes the files jconfig.h and jmorecfg.h. If you are installing the JPEG header files in a system directory, you will want to install all four files: jpeglib.h, jerror.h, jconfig.h, jmorecfg.h.

The most convenient way to include the JPEG code into your executable program is to prepare a library file ("libjpeg.a", or a corresponding name on non-Unix machines) and reference it at your link step. If you use only half of the library (only compression or only decompression), only that much code will be included from the library, unless your linker is hopelessly brain-damaged. The supplied makefiles build libjpeg.a automatically (see install.txt).

While you can build the JPEG library as a shared library if the whim strikes you, we don't really recommend it. The trouble with shared libraries is that at some point you'll probably try to substitute a new version of the library without recompiling the calling applications. That generally doesn't work because the parameter struct declarations usually change with each new version. In other words, the library's API is *not* guaranteed binary compatible across versions; we only try to ensure source-code compatibility. (In hindsight, it might have been smarter to hide the parameter structs from applications and introduce a ton of access functions instead. Too late now, however.)

On some systems your application may need to set up a signal handler to ensure that temporary files are deleted if the program is interrupted. This is most critical if you are on MS-DOS and use the jmemdos.c memory manager back end; it will try to grab extended memory for temp files, and that space will NOT be freed automatically. See cjpeg.c or djpeg.c for an example signal handler.

It may be worth pointing out that the core JPEG library does not actually require the stdio library: only the default source/destination managers and error handler need it. You can use the library in a stdio-less environment if you replace those modules and use jmemnobs.c (or another memory manager of your own devising). More info about the minimum system library requirements may be found in jinclude.h.

ADVANCED FEATURES

Compression parameter selection

This section describes all the optional parameters you can set for JPEG compression, as well as the "helper" routines provided to assist in this task. Proper setting of some parameters requires detailed understanding of the JPEG standard; if you don't know what a parameter is for, it's best not to mess with it! See REFERENCES in the README file for pointers to more info about JPEG.
It's a good idea to call jpeg_set_defaults() first, even if you plan to set all the parameters; that way your code is more likely to work with future JPEG libraries that have additional parameters. For the same reason, we recommend you use a helper routine where one is provided, in preference to twiddling cinfo fields directly.

The helper routines are:

- **jpeg_set_defaults (j_compress_ptr cinfo)**
  This routine sets all JPEG parameters to reasonable defaults, using only the input image's color space (field in_color_space, which must already be set in cinfo). Many applications will only need to use this routine and perhaps jpeg_set_quality().

- **jpeg_set_colorspace (j_compress_ptr cinfo, J_COLOR_SPACE colorspace)**
  Sets the JPEG file's colorspace (field jpeg_color_space) as specified, and sets other color-space-dependent parameters appropriately. See "Special color spaces", below, before using this. A large number of parameters, including all per-component parameters, are set by this routine; if you want to twiddle individual parameters you should call jpeg_set_colorspace() before rather than after.

- **jpeg_default_colorspace (j_compress_ptr cinfo)**
  Selects an appropriate JPEG colorspace based on cinfo->in_color_space, and calls jpeg_set_colorspace(). This is actually a subroutine of jpeg_set_defaults(). It's broken out in case you want to change just the colorspace-dependent JPEG parameters.

- **jpeg_set_quality (j_compress_ptr cinfo, int quality, boolean force_baseline)**
  Constructs JPEG quantization tables appropriate for the indicated quality setting. The quality value is expressed on the 0..100 scale recommended by IJG (cjpeg's "-quality" switch uses this routine). Note that the exact mapping from quality values to tables may change in future IJG releases as more is learned about DCT quantization. If the force_baseline parameter is TRUE, then the quantization table entries are constrained to the range 1..255 for full JPEG baseline compatibility. In the current implementation, this only makes a difference for quality settings below 25, and it effectively prevents very small/low quality files from being generated. The IJG decoder is capable of reading the non-baseline files generated at low quality settings when force_baseline is FALSE, but other decoders may not be.

- **jpeg_set_linear_quality (j_compress_ptr cinfo, int scale_factor, boolean force_baseline)**
  Same as jpeg_set_quality() except that the generated tables are the sample tables given in the JPEC spec section K.1, multiplied by the specified scale factor (which is expressed as a percentage; thus
scale_factor = 100 reproduces the spec's tables). Note that larger scale factors give lower quality. This entry point is useful for conforming to the Adobe PostScript DCT conventions, but we do not recommend linear scaling as a user-visible quality scale otherwise. force_baseline again constrains the computed table entries to 1..255.

int jpeg_quality_scaling (int quality)
Converts a value on the IJG-recommended quality scale to a linear scaling percentage. Note that this routine may change or go away in future releases --- IJG may choose to adopt a scaling method that can't be expressed as a simple scalar multiplier, in which case the premise of this routine collapses. Caveat user.

jpeg_default_qtables (j_compress_ptr cinfo, boolean force_baseline)
[libjpeg v7+ API/ABI emulation only]
Set default quantization tables with linear q_scale_factor[] values (see below).

jpeg_add_quant_table (j_compress_ptr cinfo, int which_tbl,
const unsigned int *basic_table,
int scale_factor, boolean force_baseline)
Allows an arbitrary quantization table to be created. which_tbl indicates which table slot to fill. basic_table points to an array of 64 unsigned ints given in normal array order. These values are multiplied by scale_factor/100 and then clamped to the range 1..65535 (or to 1..255 if force_baseline is TRUE).
CAUTION: prior to library version 6a, jpeg_add_quant_table expected the basic table to be given in JPEG zigzag order. If you need to write code that works with either older or newer versions of this routine, you must check the library version number. Something like "#if JPEG_LIB_VERSION >= 61" is the right test.

jpeg_simple_progression (j_compress_ptr cinfo)
Generates a default scan script for writing a progressive-JPEG file. This is the recommended method of creating a progressive file, unless you want to make a custom scan sequence. You must ensure that the JPEG color space is set correctly before calling this routine.

Compression parameters (cinfo fields) include:

J_DCT_METHOD dct_method
Selects the algorithm used for the DCT step. Choices are:
JDCT_ISLOW: slow but accurate integer algorithm
JDCT_IFAST: faster, less accurate integer method
JDCT_FLOAT: floating-point method
JDCT_DEFAULT: default method (normally JDCT_ISLOW)
JDCT_FASTEST: fastest method (normally JDCT_IFAST)
The FLOAT method is very slightly more accurate than the ISLOW method, but may give different results on different machines due to varying roundoff behavior. The integer methods should give the same results on all machines. On machines with sufficiently fast FP hardware, the floating-point method may also be the fastest. The IFAST method is considerably less accurate than the other two; its use is not recommended if high quality is a concern. JDCT_DEFAULT and JDCT_FASTEST are macros configurable by each installation.

J_COLOR_SPACE jpeg_color_space
int num_components
The JPEG color space and corresponding number of components; see "Special color spaces", below, for more info. We recommend using jpeg_set_color_space() if you want to change these.

boolean optimize_coding
TRUE causes the compressor to compute optimal Huffman coding tables for the image. This requires an extra pass over the data and therefore costs a good deal of space and time. The default is FALSE, which tells the compressor to use the supplied or default Huffman tables. In most cases optimal tables save only a few percent of file size compared to the default tables. Note that when this is TRUE, you need not supply Huffman tables at all, and any you do supply will be overwritten.

unsigned int restart_interval
int restart_in_rows
To emit restart markers in the JPEG file, set one of these nonzero. Set restart_interval to specify the exact interval in MCU blocks. Set restart_in_rows to specify the interval in MCU rows. (If restart_in_rows is not 0, then restart_interval is set after the image width in MCUs is computed.) Defaults are zero (no restarts). One restart marker per MCU row is often a good choice.
NOTE: the overhead of restart markers is higher in grayscale JPEG files than in color files, and MUCH higher in progressive JPEGs. If you use restarts, you may want to use larger intervals in those cases.

const jpeg_scan_info * scan_info
int num_scans
By default, scan_info is NULL; this causes the compressor to write a single-scan sequential JPEG file. If not NULL, scan_info points to an array of scan definition records of length num_scans. The compressor will then write a JPEG file having one scan for each scan definition record. This is used to generate noninterleaved or progressive JPEG files. The library checks that the scan array defines a valid JPEG scan sequence. (jpeg_simple_progression creates a suitable scan definition array for progressive JPEG.) This is
discussed further under "Progressive JPEG support".

int smoothing_factor
If non-zero, the input image is smoothed; the value should be 1 for
minimal smoothing to 100 for maximum smoothing. Consult jcsample.c
for details of the smoothing algorithm. The default is zero.

boolean write_JFIF_header
If TRUE, a JFIF APP0 marker is emitted. jpeg_set_defaults() and
jpeg_set_colorspace() set this TRUE if a JFIF-legal JPEG color space
(ie, YCbCr or grayscale) is selected, otherwise FALSE.

UINT8 JFIF_major_version
UINT8 JFIF_minor_version
The version number to be written into the JFIF marker.
jpeg_set_defaults() initializes the version to 1.01 (major=minor=1).
You should set it to 1.02 (major=1, minor=2) if you plan to write
any JFIF 1.02 extension markers.

UINT8 density_unit
UINT16 X_density
UINT16 Y_density
The resolution information to be written into the JFIF marker;
not used otherwise. density_unit may be 0 for unknown,
1 for dots/inch, or 2 for dots/cm. The default values are 0,1,1
indicating square pixels of unknown size.

boolean write_Adobe_marker
If TRUE, an Adobe APP14 marker is emitted. jpeg_set_defaults() and
jpeg_set_colorspace() set this TRUE if JPEG color space RGB, CMYK,
or YCCK is selected, otherwise FALSE. It is generally a bad idea
to set both write_JFIF_header and write_Adobe_marker. In fact,
you probably shouldn't change the default settings at all --- the
default behavior ensures that the JPEG file's color space can be
recognized by the decoder.

JQUANT_TBL * quant_tbl_ptrs[NUM_QUANT_TBLS]
Pointers to coefficient quantization tables, one per table slot,
or NULL if no table is defined for a slot. Usually these should
be set via one of the above helper routines; jpeg_add_quant_table()
is general enough to define any quantization table. The other
routines will set up table slot 0 for luminance quality and table
slot 1 for chrominance.

int q_scale_factor[NUM_QUANT_TBLS]
[libjpeg v7+ API/ABI emulation only]
Linear quantization scaling factors (0-100, default 100)
for use with jpeg_default_qtables().
See rdswitch.c and cjpeg.c for an example of usage.
Note that the q_scale_factor[] values use "linear" scales, so JPEG
gallery levels chosen by the user must be converted to these scales
using jpeg_quality_scaling(). Here is an example that corresponds to
cjpeg -quality 90,70:

```
jpeg_set_defaults(cinfo);

/* Set luminance quality 90. */
cinfo->q_scale_factor[0] = jpeg_quality_scaling(90);
/* Set chrominance quality 70. */
cinfo->q_scale_factor[1] = jpeg_quality_scaling(70);
```

```
jpeg_default_qtables(cinfo, force_baseline);
```

CAUTION: Setting separate quality levels for chrominance and luminance
is mainly only useful if chrominance subsampling is disabled. 2x2
chrominance subsampling (AKA "4:2:0") is the default, but you can
explicitly disable subsampling as follows:

```
cinfo->comp_info[0].v_samp_factor = 1;
cinfo->comp_info[0].h_samp_factor = 1;
```

```
JHUFF_TBL * dc_huff_tbl_ptrs[NUM_HUFF_TBLS]
JHUFF_TBL * ac_huff_tbl_ptrs[NUM_HUFF_TBLS]
```
Pointers to Huffman coding tables, one per table slot, or NULL if
no table is defined for a slot. Slots 0 and 1 are filled with the
JPEG sample tables by jpeg_set_defaults(). If you need to allocate
more table structures, jpeg_alloc_huff_table() may be used.
Note that optimal Huffman tables can be computed for an image
by setting optimize_coding, as discussed above; there's seldom
any need to mess with providing your own Huffman tables.

```
[jlibjpeg v7+ API/ABI emulation only]
The actual dimensions of the JPEG image that will be written to the file are
given by the following fields. These are computed from the input image
dimensions and the compression parameters by jpeg_start_compress(). You can
also call jpeg_calc_jpeg_dimensions() to obtain the values that will result
from the current parameter settings. This can be useful if you are trying
to pick a scaling ratio that will get close to a desired target size.
```

```
JDIMENSION jpeg_width
Actual dimensions of output image.
JDIMENSION jpeg_height
```

Per-component parameters are stored in the struct cinfo.comp_info[i] for
component number i. Note that components here refer to components of the
JPEG color space, *not* the source image color space. A suitably large comp_info[] array is allocated by jpeg_set_defaults(); if you choose not to use that routine, it's up to you to allocate the array.

int component_id
The one-byte identifier code to be recorded in the JPEG file for this component. For the standard color spaces, we recommend you leave the default values alone.

int h_samp_factor
int v_samp_factor
Horizontal and vertical sampling factors for the component; must be 1..4 according to the JPEG standard. Note that larger sampling factors indicate a higher-resolution component; many people find this behavior quite unintuitive. The default values are 2,2 for luminance components and 1,1 for chrominance components, except for grayscale where 1,1 is used.

int quant_tbl_no
Quantization table number for component. The default value is 0 for luminance components and 1 for chrominance components.

int dc_tbl_no
int ac_tbl_no
DC and AC entropy coding table numbers. The default values are 0 for luminance components and 1 for chrominance components.

int component_index
Must equal the component's index in comp_info[]. (Beginning in release v6, the compressor library will fill this in automatically; you don't have to.)

Decompression parameter selection
-----------------------------------

Decompression parameter selection is somewhat simpler than compression parameter selection, since all of the JPEG internal parameters are recorded in the source file and need not be supplied by the application. (Unless you are working with abbreviated files, in which case see "Abbreviated datastreams", below.) Decompression parameters control the postprocessing done on the image to deliver it in a format suitable for the application's use. Many of the parameters control speed/quality tradeoffs, in which faster decompression may be obtained at the price of a poorer-quality image. The defaults select the highest quality (slowest) processing.

The following fields in the JPEG object are set by jpeg_read_header() and
may be useful to the application in choosing decompression parameters:

JDIMENSION image_width

JDIMENSION image_height

int num_components

J_COLOR_SPACE jpeg_color_space

boolean saw_JFIF_marker

UINT8 JFIF_major_version

UINT8 JFIF_minor_version

UINT8 density_unit

UINT16 X_density

UINT16 Y_density

boolean saw_Adobe_marker

UINT8 Adobe_transform

The JPEG color space, unfortunately, is something of a guess since the JPEG standard proper does not provide a way to record it. In practice most files adhere to the JFIF or Adobe conventions, and the decoder will recognize these correctly. See "Special color spaces", below, for more info.

The decompression parameters that determine the basic properties of the returned image are:

J_COLOR_SPACE out_color_space

Output color space. jpeg_read_header() sets an appropriate default based on jpeg_color_space; typically it will be RGB or grayscale. The application can change this field to request output in a different colorspace. For example, set it to JCS_GRAYSCALE to get grayscale output from a color file. (This is useful for previewing: grayscale output is faster than full color since the color components need not be processed.) Note that not all possible color space transforms are currently implemented; you may need to extend jdcolor.c if you want an unusual conversion.

unsigned int scale_num, scale_denom

Scale the image by the fraction scale_num/scale_denom. Default is 1/1, or no scaling. Currently, the only supported scaling ratios are M/8 with all M from 1 to 16, or any reduced fraction thereof (such as 1/2, 3/4, etc.) (The library design allows for arbitrary scaling ratios but this is not likely to be implemented any time soon.) Smaller scaling ratios permit significantly faster decoding since fewer pixels need be processed and a simpler IDCT method can be used.

boolean quantize_colors

If set TRUE, colormapped output will be delivered. Default is FALSE, meaning that full-color output will be delivered.
The next three parameters are relevant only if quantize_colors is TRUE.

int desired_number_of_colors
Maximum number of colors to use in generating a library-supplied color map (the actual number of colors is returned in a different field). Default 256. Ignored when the application supplies its own color map.

boolean two_pass_quantize
If TRUE, an extra pass over the image is made to select a custom color map for the image. This usually looks a lot better than the one-size-fits-all colormap that is used otherwise. Default is TRUE. Ignored when the application supplies its own color map.

J_DITHER_MODE dither_mode
Selects color dithering method. Supported values are:
JDITHER_NONE  no dithering: fast, very low quality
JDITHER_ORDERED  ordered dither: moderate speed and quality
JDITHER_FS  Floyd-Steinberg dither: slow, high quality
Default is JDITHER_FS. (At present, ordered dither is implemented only in the single-pass, standard-colormap case. If you ask for ordered dither when two_pass_quantize is TRUE or when you supply an external color map, you'll get F-S dithering.)

When quantize_colors is TRUE, the target color map is described by the next two fields. colormap is set to NULL by jpeg_read_header(). The application can supply a color map by setting colormap non-NULL and setting actual_number_of_colors to the map size. Otherwise, jpeg_start_decompress() selects a suitable color map and sets these two fields itself.
[Implementation restriction: at present, an externally supplied colormap is only accepted for 3-component output color spaces.]

JSAMPARRAY colormap
The color map, represented as a 2-D pixel array of out_color_components rows and actual_number_of_colors columns. Ignored if not quantizing.
CAUTION: if the JPEG library creates its own colormap, the storage pointed to by this field is released by jpeg_finish_decompress(). Copy the colormap somewhere else first, if you want to save it.

int actual_number_of_colors
The number of colors in the color map.

Additional decompression parameters that the application may set include:

J_DCT_METHOD dct_method
Selects the algorithm used for the DCT step. Choices are the same as described above for compression.

boolean do_fancy_upsampling
If TRUE, do careful upsampling of chroma components. If FALSE, a faster but sloppier method is used. Default is TRUE. The visual impact of the sloppier method is often very small.

**boolean do_block_smoothing**

If TRUE, interblock smoothing is applied in early stages of decoding progressive JPEG files; if FALSE, not. Default is TRUE. Early progression stages look "fuzzy" with smoothing, "blocky" without. In any case, block smoothing ceases to be applied after the first few AC coefficients are known to full accuracy, so it is relevant only when using buffered-image mode for progressive images.

**boolean enable_1pass_quant**

**boolean enable_external_quant**

**boolean enable_2pass_quant**

These are significant only in buffered-image mode, which is described in its own section below.

The output image dimensions are given by the following fields. These are computed from the source image dimensions and the decompression parameters by jpeg_start_decompress(). You can also call jpeg_calc_output_dimensions() to obtain the values that will result from the current parameter settings. This can be useful if you are trying to pick a scaling ratio that will get close to a desired target size. It's also important if you are using the JPEG library's memory manager to allocate output buffer space, because you are supposed to request such buffers *before* jpeg_start_decompress().

**JDIMENSION output_width** Actual dimensions of output image.

**JDIMENSION output_height**

**int out_color_components** Number of color components in out_color_space.

**int output_components** Number of color components returned.

**int rec_outbuf_height** Recommended height of scanline buffer.

When quantizing colors, output_components is 1, indicating a single color map index per pixel. Otherwise it equals out_color_components. The output arrays are required to be output_width * output_components JSAMPLEs wide.

rec_outbuf_height is the recommended minimum height (in scanlines) of the buffer passed to jpeg_read_scanlines(). If the buffer is smaller, the library will still work, but time will be wasted due to unnecessary data copying. In high-quality modes, rec_outbuf_height is always 1, but some faster, lower-quality modes set it to larger values (typically 2 to 4). If you are going to ask for a high-speed processing mode, you may as well go to the trouble of honoring rec_outbuf_height so as to avoid data copying. (An output buffer larger than rec_outbuf_height lines is OK, but won't provide any material speed improvement over that height.)
Special color spaces

The JPEG standard itself is "color blind" and doesn't specify any particular color space. It is customary to convert color data to a luminance/chrominance color space before compressing, since this permits greater compression. The existing de-facto JPEG file format standards specify YCbCr or grayscale data (JFIF), or grayscale, RGB, YCbCr, CMYK, or YCCK (Adobe). For special applications such as multispectral images, other color spaces can be used, but it must be understood that such files will be unportable.

The JPEG library can handle the most common colorspace conversions (namely RGB <=> YCbCr and CMYK <=> YCCK). It can also deal with data of an unknown color space, passing it through without conversion. If you deal extensively with an unusual color space, you can easily extend the library to understand additional color spaces and perform appropriate conversions.

For compression, the source data's color space is specified by field in_color_space. This is transformed to the JPEG file's color space given by jpeg_color_space. jpeg_set_defaults() chooses a reasonable JPEG color space depending on in_color_space, but you can override this by calling jpeg_set_colorspace(). Of course you must select a supported transformation. jccolor.c currently supports the following transformations:

- RGB => YCbCr
- RGB => GRAYSCALE
- YCbCr => GRAYSCALE
- CMYK => YCCK

plus the null transforms: GRAYSCALE => GRAYSCALE, RGB => RGB, YCbCr => YCbCr, CMYK => CMYK, YCCK => YCCK, and UNKNOWN => UNKNOWN.

The de-facto file format standards (JFIF and Adobe) specify APPn markers that indicate the color space of the JPEG file. It is important to ensure that these are written correctly, or omitted if the JPEG file's color space is not one of the ones supported by the de-facto standards. jpeg_set_colorspace() will set the compression parameters to include or omit the APPn markers properly, so long as it is told the truth about the JPEG color space.

For example, if you are writing some random 3-component color space without conversion, don't try to fake out the library by setting in_color_space and jpeg_color_space to JCS_YCbCr; use JCS_UNKNOWN. You may want to write an APPn marker of your own devising to identify the colorspace --- see "Special markers", below.

When told that the color space is UNKNOWN, the library will default to using luminance-quality compression parameters for all color components. You may well want to change these parameters. See the source code for jpeg_set_colorspace(), in jparam.c, for details.
For decompression, the JPEG file's color space is given in jpeg_color_space, and this is transformed to the output color space out_color_space. jpeg_read_header's setting of jpeg_color_space can be relied on if the file conforms to JFIF or Adobe conventions, but otherwise it is no better than a guess. If you know the JPEG file's color space for certain, you can override jpeg_read_header's guess by setting jpeg_color_space. jpeg_read_header also selects a default output color space based on (its guess of) jpeg_color_space; set out_color_space to override this. Again, you must select a supported transformation. jdcolor.c currently supports

YCbCr => RGB
YCbCr => GRAYSCALE
RGB => GRAYSCALE
GRAYSCALE => RGB
YCCK => CMYK
as well as the null transforms. (Since GRAYSCALE=>RGB is provided, an application can force grayscale JPEGs to look like color JPEGs if it only wants to handle one case.)

The two-pass color quantizer, jquant2.c, is specialized to handle RGB data (it weights distances appropriately for RGB colors). You'll need to modify the code if you want to use it for non-RGB output color spaces. Note that jquant2.c is used to map to an application-supplied colormap as well as for the normal two-pass colormap selection process.

CAUTION: it appears that Adobe Photoshop writes inverted data in CMYK JPEG files: 0 represents 100% ink coverage, rather than 0% ink as you'd expect. This is arguably a bug in Photoshop, but if you need to work with Photoshop CMYK files, you will have to deal with it in your application. We cannot "fix" this in the library by inverting the data during the CMYK<=>YCCK transform, because that would break other applications, notably Ghostscript. Photoshop versions prior to 3.0 write EPS files containing JPEG-encoded CMYK data in the same inverted-YCCK representation used in bare JPEG files, but the surrounding PostScript code performs an inversion using the PS image operator. I am told that Photoshop 3.0 will write uninverted YCCK in EPS/JPEG files, and will omit the PS-level inversion. (But the data polarity used in bare JPEG files will not change in 3.0.) In either case, the JPEG library must not invert the data itself, or else Ghostscript would read these EPS files incorrectly.

Error handling
------------

When the default error handler is used, any error detected inside the JPEG routines will cause a message to be printed on stderr, followed by exit(). You can supply your own error handling routines to override this behavior and to control the treatment of nonfatal warnings and trace/debug messages. The file example.c illustrates the most common case, which is to have the
application regain control after an error rather than exiting.

The JPEG library never writes any message directly; it always goes through the error handling routines. Three classes of messages are recognized:
* Fatal errors: the library cannot continue.
* Warnings: the library can continue, but the data is corrupt, and a damaged output image is likely to result.
* Trace/informational messages. These come with a trace level indicating the importance of the message; you can control the verbosity of the program by adjusting the maximum trace level that will be displayed.

You may, if you wish, simply replace the entire JPEG error handling module (jerror.c) with your own code. However, you can avoid code duplication by only replacing some of the routines depending on the behavior you need. This is accomplished by calling jpeg_std_error() as usual, but then overriding some of the method pointers in the jpeg_error_mgr struct, as illustrated by example.c.

All of the error handling routines will receive a pointer to the JPEG object (a j_common_ptr which points to either a jpeg_compress_struct or a jpeg_decompress_struct; if you need to tell which, test the is_decompressor field). This struct includes a pointer to the error manager struct in its "err" field. Frequently, custom error handler routines will need to access additional data which is not known to the JPEG library or the standard error handler. The most convenient way to do this is to embed either the JPEG object or the jpeg_error_mgr struct in a larger structure that contains additional fields; then casting the passed pointer provides access to the additional fields. Again, see example.c for one way to do it. (Beginning with IJG version 6b, there is also a void pointer "client_data" in each JPEG object, which the application can also use to find related data. The library does not touch client_data at all.)

The individual methods that you might wish to override are:

error_exit (j_common_ptr cinfo)
Receives control for a fatal error. Information sufficient to generate the error message has been stored in cinfo->err; call output_message to display it. Control must NOT return to the caller; generally this routine will exit() or longjmp() somewhere.
Typically you would override this routine to get rid of the exit() default behavior. Note that if you continue processing, you should clean up the JPEG object with jpeg_abort() or jpeg_destroy().

output_message (j_common_ptr cinfo)
Actual output of any JPEG message. Override this to send messages somewhere other than stderr. Note that this method does not know how to generate a message, only where to send it.
format_message (j_common_ptr cinfo, char * buffer)
Constructs a readable error message string based on the error info
stored in cinfo->err. This method is called by output_message. Few
applications should need to override this method. One possible
reason for doing so is to implement dynamic switching of error message
language.

emit_message (j_common_ptr cinfo, int msg_level)
Decide whether or not to emit a warning or trace message; if so,
calls output_message. The main reason for overriding this method
would be to abort on warnings. msg_level is -1 for warnings,
0 and up for trace messages.

Only error_exit() and emit_message() are called from the rest of the JPEG
library; the other two are internal to the error handler.

The actual message texts are stored in an array of strings which is pointed to
by the field err->jpeg_message_table. The messages are numbered from 0 to
err->last_jpeg_message, and it is these code numbers that are used in the
JPEG library code. You could replace the message texts (for instance, with
messages in French or German) by changing the message table pointer. See
jerror.h for the default texts. CAUTION: this table will almost certainly
change or grow from one library version to the next.

It may be useful for an application to add its own message texts that are
handled by the same mechanism. The error handler supports a second "add-on"
message table for this purpose. To define an addon table, set the pointer
err->addon_message_table and the message numbers err->first_addon_message and
err->last_addon_message. If you number the addon messages beginning at 1000
or so, you won't have to worry about conflicts with the library's built-in
messages. See the sample applications cjpeg/djpeg for an example of using
addon messages (the addon messages are defined in cderror.h).

Actual invocation of the error handler is done via macros defined in jerror.h:
ERREXITn(...) for fatal errors
WARNMSn(...) for corrupt-data warnings
TRACEMSn(...) for trace and informational messages.
These macros store the message code and any additional parameters into the
error handler struct, then invoke the error_exit() or emit_message() method.
The variants of each macro are for varying numbers of additional parameters.
The additional parameters are inserted into the generated message using
standard printf() format codes.

See jerror.h and jerror.c for further details.

Compressed data handling (source and destination managers)

----------------------------------------------------------
The JPEG compression library sends its compressed data to a "destination manager" module. The default destination manager just writes the data to a memory buffer or to a stdio stream, but you can provide your own manager to do something else. Similarly, the decompression library calls a "source manager" to obtain the compressed data; you can provide your own source manager if you want the data to come from somewhere other than a memory buffer or a stdio stream.

In both cases, compressed data is processed a bufferload at a time: the destination or source manager provides a work buffer, and the library invokes the manager only when the buffer is filled or emptied. (You could define a one-character buffer to force the manager to be invoked for each byte, but that would be rather inefficient.) The buffer's size and location are controlled by the manager, not by the library. For example, the memory source manager just makes the buffer pointer and length point to the original data in memory. In this case the buffer-reload procedure will be invoked only if the decompressor ran off the end of the datastream, which would indicate an erroneous datastream.

The work buffer is defined as an array of datatype JOCTET, which is generally "char" or "unsigned char". On a machine where char is not exactly 8 bits wide, you must define JOCTET as a wider data type and then modify the data source and destination modules to transcribe the work arrays into 8-bit units on external storage.

A data destination manager struct contains a pointer and count defining the next byte to write in the work buffer and the remaining free space:

```
JOCTET * next_output_byte; // => next byte to write in buffer */
size_t free_in_buffer;      // # of byte spaces remaining in buffer */
```

The library increments the pointer and decrements the count until the buffer is filled. The manager's empty_output_buffer method must reset the pointer and count. The manager is expected to remember the buffer's starting address and total size in private fields not visible to the library.

A data destination manager provides three methods:

```
init_destination (j_compress_ptr cinfo)
Initialize destination. This is called by jpeg_start_compress()
before any data is actually written. It must initialize
next_output_byte and free_in_buffer. free_in_buffer must be
initialized to a positive value.

empty_output_buffer (j_compress_ptr cinfo)
This is called whenever the buffer has filled (free_in_buffer
reaches zero). In typical applications, it should write out the
entire buffer (use the saved start address and buffer length; ignore the current state of next_output_byte and free_in_buffer). Then reset the pointer & count to the start of the buffer, and return TRUE indicating that the buffer has been dumped. free_in_buffer must be set to a positive value when TRUE is returned. A FALSE return should only be used when I/O suspension is desired (this operating mode is discussed in the next section).  

**term_destination (j_compress_ptr cinfo)**  
Terminate destination --- called by jpeg_finish_compress() after all data has been written. In most applications, this must flush any data remaining in the buffer. Use either next_output_byte or free_in_buffer to determine how much data is in the buffer.  

**term_destination()** is NOT called by jpeg_abort() or jpeg_destroy(). If you want the destination manager to be cleaned up during an abort, you must do it yourself.  

You will also need code to create a jpeg_destination_mgr struct, fill in its method pointers, and insert a pointer to the struct into the "dest" field of the JPEG compression object. This can be done in-line in your setup code if you like, but it's probably cleaner to provide a separate routine similar to the jpeg_stdio_dest() or jpeg_mem_dest() routines of the supplied destination managers.  

Decompression source managers follow a parallel design, but with some additional frammishes. The source manager struct contains a pointer and count defining the next byte to read from the work buffer and the number of bytes remaining:  

```c
const JOCTET * next_input_byte; /* => next byte to read from buffer */  
size_t bytes_in_buffer;         /* # of bytes remaining in buffer */
```

The library increments the pointer and decrements the count until the buffer is emptied. The manager's fill_input_buffer method must reset the pointer and count. In most applications, the manager must remember the buffer's starting address and total size in private fields not visible to the library.  

A data source manager provides five methods:  

**init_source (j_decompress_ptr cinfo)**  
Initialize source. This is called by jpeg_read_header() before any data is actually read. Unlike init_destination(), it may leave bytes_in_buffer set to 0 (in which case a fill_input_buffer() call will occur immediately).  

**fill_input_buffer (j_decompress_ptr cinfo)**  
This is called whenever bytes_in_buffer has reached zero and more
data is wanted. In typical applications, it should read fresh data
into the buffer (ignoring the current state of next_input_byte and
bytes_in_buffer), reset the pointer & count to the start of the
buffer, and return TRUE indicating that the buffer has been reloaded.
It is not necessary to fill the buffer entirely, only to obtain at
least one more byte. bytes_in_buffer MUST be set to a positive value
if TRUE is returned. A FALSE return should only be used when I/O
suspension is desired (this mode is discussed in the next section).

skip_input_data (j_decompress_ptr cinfo, long num_bytes)
Skip num_bytes worth of data. The buffer pointer and count should
be advanced over num_bytes input bytes, refilling the buffer as
needed. This is used to skip over a potentially large amount of
uninteresting data (such as an APPn marker). In some applications
it may be possible to optimize away the reading of the skipped data,
but it's not clear that being smart is worth much trouble; large
skips are uncommon. bytes_in_buffer may be zero on return.
A zero or negative skip count should be treated as a no-op.

resync_to_restart (j_decompress_ptr cinfo, int desired)
This routine is called only when the decompressor has failed to find
a restart (RSTn) marker where one is expected. Its mission is to
find a suitable point for resuming decompression. For most
applications, we recommend that you just use the default resync
procedure, jpeg_resync_to_restart(). However, if you are able to back
up in the input data stream, or if you have a-priori knowledge about
the likely location of restart markers, you may be able to do better.
Read the read_restart_marker() and jpeg_resync_to_restart() routines
in jdmarker.c if you think you'd like to implement your own resync
procedure.

term_source (j_decompress_ptr cinfo)
Terminate source --- called by jpeg_finish_decompress() after all
data has been read. Often a no-op.

For both fill_input_buffer() and skip_input_data(), there is no such thing
as an EOF return. If the end of the file has been reached, the routine has
a choice of exiting via ERREXIT() or inserting fake data into the buffer.
In most cases, generating a warning message and inserting a fake EOI marker
is the best course of action --- this will allow the decompressor to output
however much of the image is there. In pathological cases, the decompressor
may swallow the EOI and again demand data ... just keep feeding it fake EOIs.
jdatasrc.c illustrates the recommended error recovery behavior.

term_source() is NOT called by jpeg_abort() or jpeg_destroy(). If you want
the source manager to be cleaned up during an abort, you must do it yourself.

You will also need code to create a jpeg_source_mgr struct, fill in its method
pointers, and insert a pointer to the struct into the "src" field of the JPEG
decompression object. This can be done in-line in your setup code if you
like, but it's probably cleaner to provide a separate routine similar to the
jpeg_stdio_src() or jpeg_mem_src() routines of the supplied source managers.

For more information, consult the memory and stdio source and destination
managers in jdatasrc.c and jdatadst.c.

I/O suspension
--------------

Some applications need to use the JPEG library as an incremental memory-to-
memory filter: when the compressed data buffer is filled or emptied, they want
control to return to the outer loop, rather than expecting that the buffer can
be emptied or reloaded within the data source/destination manager subroutine.
The library supports this need by providing an "I/O suspension" mode, which we
describe in this section.

The I/O suspension mode is not a panacea: nothing is guaranteed about the
maximum amount of time spent in any one call to the library, so it will not
eliminate response-time problems in single-threaded applications. If you
need guaranteed response time, we suggest you "bite the bullet" and implement
a real multi-tasking capability.

To use I/O suspension, cooperation is needed between the calling application
and the data source or destination manager; you will always need a custom
source/destination manager. (Please read the previous section if you haven't
already.) The basic idea is that the empty_output_buffer() or
fill_input_buffer() routine is a no-op, merely returning FALSE to indicate
that it has done nothing. Upon seeing this, the JPEG library suspends
operation and returns to its caller. The surrounding application is
responsible for emptying or refilling the work buffer before calling the
JPEG library again.

Compression suspension:

For compression suspension, use an empty_output_buffer() routine that returns
FALSE; typically it will not do anything else. This will cause the
compressor to return to the caller of jpeg_write_scanlines(), with the return
value indicating that not all the supplied scanlines have been accepted.
The application must make more room in the output buffer, adjust the output
buffer pointer/counter appropriately, and then call jpeg_write_scanlines()
again, pointing to the first unconsumed scanline.

When forced to suspend, the compressor will backtrack to a convenient stopping
point (usually the start of the current MCU); it will regenerate some output
data when restarted. Therefore, although empty_output_buffer() is only
called when the buffer is filled, you should NOT write out the entire buffer after a suspension. Write only the data up to the current position of next_output_byte/free_in_buffer. The data beyond that point will be regenerated after resumption.

Because of the backtracking behavior, a good-size output buffer is essential for efficiency; you don't want the compressor to suspend often. (In fact, an overly small buffer could lead to infinite looping, if a single MCU required more data than would fit in the buffer.) We recommend a buffer of at least several Kbytes. You may want to insert explicit code to ensure that you don't call jpeg_write_scanlines() unless there is a reasonable amount of space in the output buffer; in other words, flush the buffer before trying to compress more data.

The compressor does not allow suspension while it is trying to write JPEG markers at the beginning and end of the file. This means that:
* At the beginning of a compression operation, there must be enough free space in the output buffer to hold the header markers (typically 600 or so bytes). The recommended buffer size is bigger than this anyway, so this is not a problem as long as you start with an empty buffer. However, this restriction might catch you if you insert large special markers, such as a JFIF thumbnail image, without flushing the buffer afterwards.
* When you call jpeg_finish_compress(), there must be enough space in the output buffer to emit any buffered data and the final EOI marker. In the current implementation, half a dozen bytes should suffice for this, but for safety's sake we recommend ensuring that at least 100 bytes are free before calling jpeg_finish_compress().

A more significant restriction is that jpeg_finish_compress() cannot suspend. This means you cannot use suspension with multi-pass operating modes, namely Huffman code optimization and multiple-scan output. Those modes write the whole file during jpeg_finish_compress(), which will certainly result in buffer overrun. (Note that this restriction applies only to compression, not decompression. The decompressor supports input suspension in all of its operating modes.)

Decompression suspension:

For decompression suspension, use a fill_input_buffer() routine that simply returns FALSE (except perhaps during error recovery, as discussed below). This will cause the decompressor to return to its caller with an indication that suspension has occurred. This can happen at four places:
* jpeg_read_header(): will return JPEG_SUSPENDED.
* jpeg_start_decompress(): will return FALSE, rather than its usual TRUE.
* jpeg_read_scanlines(): will return the number of scanlines already completed (possibly 0).
* jpeg_finish_decompress(): will return FALSE, rather than its usual TRUE.

The surrounding application must recognize these cases, load more data into
the input buffer, and repeat the call. In the case of jpeg_read_scanlines(),
increment the passed pointers past any scanlines successfully read.

Just as with compression, the decompressor will typically backtrack to a
convenient restart point before suspending. When fill_input_buffer() is
called, next_input_byte/bytes_in_buffer point to the current restart point,
which is where the decompressor will backtrack to if FALSE is returned.
The data beyond that position must NOT be discarded if you suspend; it needs
to be re-read upon resumption. In most implementations, you'll need to shift
this data down to the start of your work buffer and then load more data after
it. Again, this behavior means that a several-Kbyte work buffer is essential
for decent performance; furthermore, you should load a reasonable amount of
new data before resuming decompression. (If you loaded, say, only one new
byte each time around, you could waste a LOT of cycles.)

The skip_input_data() source manager routine requires special care in a
suspension scenario. This routine is NOT granted the ability to suspend the
decompressor; it can decrement bytes_in_buffer to zero, but no more. If the
requested skip distance exceeds the amount of data currently in the input
buffer, then skip_input_data() must set bytes_in_buffer to zero and record the
additional skip distance somewhere else. The decompressor will immediately
call fill_input_buffer(), which should return FALSE, which will cause a
suspension return. The surrounding application must then arrange to discard
the recorded number of bytes before it resumes loading the input buffer.
(Yes, this design is rather baroque, but it avoids complexity in the far more
common case where a non-suspending source manager is used.)

If the input data has been exhausted, we recommend that you emit a warning
and insert dummy EOI markers just as a non-suspending data source manager
would do. This can be handled either in the surrounding application logic or
within fill_input_buffer(); the latter is probably more efficient. If
fill_input_buffer() knows that no more data is available, it can set the
pointer/count to point to a dummy EOI marker and then return TRUE just as
though it had read more data in a non-suspending situation.

The decompressor does not attempt to suspend within standard JPEG markers;
instead it will backtrack to the start of the marker and reprocess the whole
marker next time. Hence the input buffer must be large enough to hold the
longest standard marker in the file. Standard JPEG markers should normally
not exceed a few hundred bytes each (DHT tables are typically the longest).
We recommend at least a 2K buffer for performance reasons, which is much
larger than any correct marker is likely to be. For robustness against
damaged marker length counts, you may wish to insert a test in your
application for the case that the input buffer is completely full and yet
the decoder has suspended without consuming any data --- otherwise, if this
situation did occur, it would lead to an endless loop. (The library can't
provide this test since it has no idea whether "the buffer is full", or
even whether there is a fixed-size input buffer.)
The input buffer would need to be 64K to allow for arbitrary COM or APPn markers, but these are handled specially: they are either saved into allocated memory, or skipped over by calling skip_input_data(). In the former case, suspension is handled correctly, and in the latter case, the problem of buffer overrun is placed on skip_input_data's shoulders, as explained above. Note that if you provide your own marker handling routine for large markers, you should consider how to deal with buffer overflow.

Multiple-buffer management:

In some applications it is desirable to store the compressed data in a linked list of buffer areas, so as to avoid data copying. This can be handled by having empty_output_buffer() or fill_input_buffer() set the pointer and count to reference the next available buffer; FALSE is returned only if no more buffers are available. Although seemingly straightforward, there is a pitfall in this approach: the backtrack that occurs when FALSE is returned could back up into an earlier buffer. For example, when fill_input_buffer() is called, the current pointer & count indicate the backtrack restart point. Since fill_input_buffer() will set the pointer and count to refer to a new buffer, the restart position must be saved somewhere else. Suppose a second call to fill_input_buffer() occurs in the same library call, and no additional input data is available, so fill_input_buffer must return FALSE. If the JPEG library has not moved the pointer/count forward in the current buffer, then *the correct restart point is the saved position in the prior buffer*. Prior buffers may be discarded only after the library establishes a restart point within a later buffer. Similar remarks apply for output into a chain of buffers.

The library will never attempt to backtrack over a skip_input_data() call, so any skipped data can be permanently discarded. You still have to deal with the case of skipping not-yet-received data, however.

It's much simpler to use only a single buffer; when fill_input_buffer() is called, move any unconsumed data (beyond the current pointer/count) down to the beginning of this buffer and then load new data into the remaining buffer space. This approach requires a little more data copying but is far easier to get right.

Progressive JPEG support

Progressive JPEG rearranges the stored data into a series of scans of increasing quality. In situations where a JPEG file is transmitted across a slow communications link, a decoder can generate a low-quality image very quickly from the first scan, then gradually improve the displayed quality as more scans are received. The final image after all scans are complete is
identical to that of a regular (sequential) JPEG file of the same quality setting. Progressive JPEG files are often slightly smaller than equivalent sequential JPEG files, but the possibility of incremental display is the main reason for using progressive JPEG.

The IJG encoder library generates progressive JPEG files when given a suitable "scan script" defining how to divide the data into scans. Creation of progressive JPEG files is otherwise transparent to the encoder. Progressive JPEG files can also be read transparently by the decoder library. If the decoding application simply uses the library as defined above, it will receive a final decoded image without any indication that the file was progressive. Of course, this approach does not allow incremental display. To perform incremental display, an application needs to use the decoder library's "buffered-image" mode, in which it receives a decoded image multiple times.

Each displayed scan requires about as much work to decode as a full JPEG image of the same size, so the decoder must be fairly fast in relation to the data transmission rate in order to make incremental display useful. However, it is possible to skip displaying the image and simply add the incoming bits to the decoder's coefficient buffer. This is fast because only Huffman decoding need be done, not IDCT, upsampling, colorspace conversion, etc. The IJG decoder library allows the application to switch dynamically between displaying the image and simply absorbing the incoming bits. A properly coded application can automatically adapt the number of display passes to suit the time available as the image is received. Also, a final higher-quality display cycle can be performed from the buffered data after the end of the file is reached.

Progressive compression:

To create a progressive JPEG file (or a multiple-scan sequential JPEG file), set the scan_info cinfo field to point to an array of scan descriptors, and perform compression as usual. Instead of constructing your own scan list, you can call the jpeg_simple_progression() helper routine to create a recommended progression sequence; this method should be used by all applications that don't want to get involved in the nitty-gritty of progressive scan sequence design. (If you want to provide user control of scan sequences, you may wish to borrow the scan script reading code found in rdswitch.c, so that you can read scan script files just like cjpeg's.) When scan_info is not NULL, the compression library will store DCT'd data into a buffer array as jpeg_write_scanlines() is called, and will emit all the requested scans during jpeg_finish_compress(). This implies that multiple-scan output cannot be created with a suspending data destination manager, since jpeg_finish_compress() does not support suspension. We should also note that the compressor currently forces Huffman optimization mode when creating a progressive JPEG file, because the default Huffman tables are unsuitable for progressive files.
Progressive decompression:

When buffered-image mode is not used, the decoder library will read all of a multi-scan file during jpeg_start_decompress(), so that it can provide a final decoded image. (Here "multi-scan" means either progressive or multi-scan sequential.) This makes multi-scan files transparent to the decoding application. However, existing applications that used suspending input with version 5 of the IJG library will need to be modified to check for a suspension return from jpeg_start_decompress().

To perform incremental display, an application must use the library's buffered-image mode. This is described in the next section.

Buffered-image mode
---------------------

In buffered-image mode, the library stores the partially decoded image in a coefficient buffer, from which it can be read out as many times as desired. This mode is typically used for incremental display of progressive JPEG files, but it can be used with any JPEG file. Each scan of a progressive JPEG file adds more data (more detail) to the buffered image. The application can display in lockstep with the source file (one display pass per input scan), or it can allow input processing to outrun display processing. By making input and display processing run independently, it is possible for the application to adapt progressive display to a wide range of data transmission rates.

The basic control flow for buffered-image decoding is

jpeg_create_decompress()
set data source
jpeg_read_header()
set overall decompression parameters
cinfo.buffered_image = TRUE;/* select buffered-image mode */
jpeg_start_decompress()
for (each output pass) {
    adjust output decompression parameters if required
    jpeg_start_output()/* start a new output pass */
    for (all scanlines in image) {
        jpeg_read_scanlines()
        display scanlines
    }
    jpeg_finish_output()/* terminate output pass */
}
jpeg_finish_decompress()
jpeg_destroy_decompress()
This differs from ordinary unbuffered decoding in that there is an additional level of looping. The application can choose how many output passes to make and how to display each pass.

The simplest approach to displaying progressive images is to do one display pass for each scan appearing in the input file. In this case the outer loop condition is typically

```c
while (! jpeg_input_complete(&cinfo))
```

and the start-output call should read

```c
jpeg_start_output(&cinfo, cinfo.input_scan_number);
```

The second parameter to jpeg_start_output() indicates which scan of the input file is to be displayed; the scans are numbered starting at 1 for this purpose. (You can use a loop counter starting at 1 if you like, but using the library's input scan counter is easier.) The library automatically reads data as necessary to complete each requested scan, and jpeg_finish_output() advances to the next scan or end-of-image marker (hence input_scan_number will be incremented by the time control arrives back at jpeg_start_output()).

With this technique, data is read from the input file only as needed, and input and output processing run in lockstep.

After reading the final scan and reaching the end of the input file, the buffered image remains available; it can be read additional times by repeating the jpeg_start_output()/jpeg_read_scanlines()/jpeg_finish_output() sequence. For example, a useful technique is to use fast one-pass color quantization for display passes made while the image is arriving, followed by a final display pass using two-pass quantization for highest quality. This is done by changing the library parameters before the final output pass. Changing parameters between passes is discussed in detail below.

In general the last scan of a progressive file cannot be recognized as such until after it is read, so a post-input display pass is the best approach if you want special processing in the final pass.

When done with the image, be sure to call jpeg_finish_decompress() to release the buffered image (or just use jpeg_destroy_decompress()).

If input data arrives faster than it can be displayed, the application can cause the library to decode input data in advance of what's needed to produce output. This is done by calling the routine jpeg_consume_input().

The return value is one of the following:

- JPEG_REACHED_SOS: reached an SOS marker (the start of a new scan)
- JPEG_REACHED_EOI: reached the EOI marker (end of image)
- JPEG_ROW_COMPLETED: completed reading one MCU row of compressed data
- JPEG_SCAN_COMPLETED: completed reading last MCU row of current scan
- JPEG_SUSPENDED: suspended before completing any of the above

(JPEG_SUSPENDED can occur only if a suspending data source is used.) This routine can be called at any time after initializing the JPEG object. It
reads some additional data and returns when one of the indicated significant
events occurs. (If called after the EOI marker is reached, it will
immediately return JPEG_REACHED_EOI without attempting to read more data.)

The library's output processing will automatically call jpeg_consume_input()
whenever the output processing overtakes the input; thus, simple lockstep
display requires no direct calls to jpeg_consume_input(). But by adding
calls to jpeg_consume_input(), you can absorb data in advance of what is
being displayed. This has two benefits:
* You can limit buildup of unprocessed data in your input buffer.
* You can eliminate extra display passes by paying attention to the
  state of the library's input processing.

The first of these benefits only requires interspersing calls to
jpeg_consume_input() with your display operations and any other processing
you may be doing. To avoid wasting cycles due to backtracking, it's best to
call jpeg_consume_input() only after a hundred or so new bytes have arrived.
This is discussed further under "I/O suspension", above. (Note: the JPEG
library currently is not thread-safe. You must not call jpeg_consume_input()
from one thread of control if a different library routine is working on the
same JPEG object in another thread.)

When input arrives fast enough that more than one new scan is available
before you start a new output pass, you may as well skip the output pass
corresponding to the completed scan. This occurs for free if you pass
cinfo.input_scan_number as the target scan number to jpeg_start_output().
The input_scan_number field is simply the index of the scan currently being
consumed by the input processor. You can ensure that this is up-to-date by
emptying the input buffer just before calling jpeg_start_output(): call
jpeg_consume_input() repeatedly until it returns JPEG_SUSPENDED or
JPEG_REACHED_EOI.

The target scan number passed to jpeg_start_output() is saved in the
cinfo.output_scan_number field. The library's output processing calls
jpeg_consume_input() whenever the current input scan number and row within
that scan is less than or equal to the current output scan number and row.
Thus, input processing can "get ahead" of the output processing but is not
allowed to "fall behind". You can achieve several different effects by
manipulating this interlock rule. For example, if you pass a target scan
number greater than the current input scan number, the output processor will
wait until that scan starts to arrive before producing any output. (To avoid
an infinite loop, the target scan number is automatically reset to the last
scan number when the end of image is reached. Thus, if you specify a large
target scan number, the library will just absorb the entire input file and
then perform an output pass. This is effectively the same as what
jpeg_start_decompress() does when you don't select buffered-image mode.)
When you pass a target scan number equal to the current input scan number,
the image is displayed no faster than the current input scan arrives. The
final possibility is to pass a target scan number less than the current input scan number; this disables the input/output interlock and causes the output processor to simply display whatever it finds in the image buffer, without waiting for input. (However, the library will not accept a target scan number less than one, so you can't avoid waiting for the first scan.)

When data is arriving faster than the output display processing can advance through the image, jpeg_consume_input() will store data into the buffered image beyond the point at which the output processing is reading data out again. If the input arrives fast enough, it may “wrap around” the buffer to the point where the input is more than one whole scan ahead of the output. If the output processing simply proceeds through its display pass without paying attention to the input, the effect seen on-screen is that the lower part of the image is one or more scans better in quality than the upper part. Then, when the next output scan is started, you have a choice of what target scan number to use. The recommended choice is to use the current input scan number at that time, which implies that you've skipped the output scans corresponding to the input scans that were completed while you processed the previous output scan. In this way, the decoder automatically adapts its speed to the arriving data, by skipping output scans as necessary to keep up with the arriving data.

When using this strategy, you'll want to be sure that you perform a final output pass after receiving all the data; otherwise your last display may not be full quality across the whole screen. So the right outer loop logic is something like this:

```c
    do {
        absorb any waiting input by calling jpeg_consume_input()
        final_pass = jpeg_input_complete(&cinfo);
        adjust output decompression parameters if required
        jpeg_start_output(&cinfo, cinfo.input_scan_number);
        ...
        jpeg_finish_output()
    } while (! final_pass);
```

rather than quitting as soon as jpeg_input_complete() returns TRUE. This arrangement makes it simple to use higher-quality decoding parameters for the final pass. But if you don't want to use special parameters for the final pass, the right loop logic is like this:

```c
    for (;;) {
        absorb any waiting input by calling jpeg_consume_input()
        jpeg_start_output(&cinfo, cinfo.input_scan_number);
        ...
        jpeg_finish_output()
        if (jpeg_input_complete(&cinfo) &&
            cinfo.input_scan_number == cinfo.output_scan_number)
            break;
    }
```

In this case you don't need to know in advance whether an output pass is to
be the last one, so it's not necessary to have reached EOF before starting the final output pass; rather, what you want to test is whether the output pass was performed in sync with the final input scan. This form of the loop will avoid an extra output pass whenever the decoder is able (or nearly able) to keep up with the incoming data.

When the data transmission speed is high, you might begin a display pass, then find that much or all of the file has arrived before you can complete the pass. (You can detect this by noting the JPEG_REACHED_EOI return code from jpeg_consume_input(), or equivalently by testing jpeg_input_complete().) In this situation you may wish to abort the current display pass and start a new one using the newly arrived information. To do so, just call jpeg_finish_output() and then start a new pass with jpeg_start_output().

A variant strategy is to abort and restart display if more than one complete scan arrives during an output pass; this can be detected by noting JPEG_REACHED_SOS returns and/or examining cinfo.input_scan_number. This idea should be employed with caution, however, since the display process might never get to the bottom of the image before being aborted, resulting in the lower part of the screen being several passes worse than the upper. In most cases it's probably best to abort an output pass only if the whole file has arrived and you want to begin the final output pass immediately.

When receiving data across a communication link, we recommend always using the current input scan number for the output target scan number; if a higher-quality final pass is to be done, it should be started (aborting any incomplete output pass) as soon as the end of file is received. However, many other strategies are possible. For example, the application can examine the parameters of the current input scan and decide whether to display it or not. If the scan contains only chroma data, one might choose not to use it as the target scan, expecting that the scan will be small and will arrive quickly. To skip to the next scan, call jpeg_consume_input() until it returns JPEG_REACHED_SOS or JPEG_REACHED_EOI. Or just use the next higher number as the target scan for jpeg_start_output(); but that method doesn't let you inspect the next scan's parameters before deciding to display it.

In buffered-image mode, jpeg_start_decompress() never performs input and thus never suspends. An application that uses input suspension with buffered-image mode must be prepared for suspension returns from these routines:

* jpeg_start_output() performs input only if you request 2-pass quantization and the target scan isn't fully read yet. (This is discussed below.)
* jpeg_read_scanlines(), as always, returns the number of scanlines that it was able to produce before suspending.
* jpeg_finish_output() will read any markers following the target scan, up to the end of the file or the SOS marker that begins another scan. (But it reads no input if jpeg_consume_input() has already reached the
end of the file or a SOS marker beyond the target output scan.)
* jpeg_finish_decompress() will read until the end of file, and thus can
suspend if the end hasn't already been reached (as can be tested by
calling jpeg_input_complete()).
jpeg_start_output(), jpeg_finish_output(), and jpeg_finish_decompress()
all return TRUE if they completed their tasks, FALSE if they had to suspend.
In the event of a FALSE return, the application must load more input data
and repeat the call. Applications that use non-suspending data sources need
not check the return values of these three routines.

It is possible to change decoding parameters between output passes in the
buffered-image mode. The decoder library currently supports only very
limited changes of parameters. ONLY THE FOLLOWING parameter changes are
allowed after jpeg_start_decompress() is called:
* dct_method can be changed before each call to jpeg_start_output().
  For example, one could use a fast DCT method for early scans, changing
to a higher quality method for the final scan.
* dither_mode can be changed before each call to jpeg_start_output();
  of course this has no impact if not using color quantization. Typically
  one would use ordered dither for initial passes, then switch to
  Floyd-Steinberg dither for the final pass. Caution: changing dither mode
can cause more memory to be allocated by the library. Although the amount
of memory involved is not large (a scanline or so), it may cause the
initial max_memory_to_use specification to be exceeded, which in the worst
case would result in an out-of-memory failure.
* do_block_smoothing can be changed before each call to jpeg_start_output().
  This setting is relevant only when decoding a progressive JPEG image.
  During the first DC-only scan, block smoothing provides a very "fuzzy" look
  instead of the very "blocky" look seen without it; which is better seems a
  matter of personal taste. But block smoothing is nearly always a win
during later stages, especially when decoding a successive-approximation
image: smoothing helps to hide the slight blockiness that otherwise shows
up on smooth gradients until the lowest coefficient bits are sent.
* Color quantization mode can be changed under the rules described below.
  You *cannot* change between full-color and quantized output (because that
would alter the required I/O buffer sizes), but you can change which
quantization method is used.

When generating color-quantized output, changing quantization method is a
very useful way of switching between high-speed and high-quality display.
The library allows you to change among its three quantization methods:
1. Single-pass quantization to a fixed color cube,
   Selected by cinfo.two_pass_quantize = FALSE and cinfo.colormap = NULL.
2. Single-pass quantization to an application-supplied colormap.
   Selected by setting cinfo.colormap to point to the colormap (the value of
two_pass_quantize is ignored); also set cinfo.actual_number_of_colors.
3. Two-pass quantization to a colormap chosen specifically for the image.
Selected by cinfo.two_pass_quantize = TRUE and cinfo.colormap = NULL. (This is the default setting selected by jpeg_read_header, but it is probably NOT what you want for the first pass of progressive display!) These methods offer successively better quality and lesser speed. However, only the first method is available for quantizing in non-RGB color spaces.

IMPORTANT: because the different quantizer methods have very different working-storage requirements, the library requires you to indicate which one(s) you intend to use before you call jpeg_start_decompress(). (If we did not require this, the max_memory_to_use setting would be a complete fiction.) You do this by setting one or more of these three cinfo fields to TRUE: enable_1pass_quantFixed color cube colormap enable_external_quantExternally-supplied colormap enable_2pass_quantTwo-pass custom colormap All three are initialized FALSE by jpeg_read_header(). But jpeg_start_decompress() automatically sets TRUE the one selected by the current two_pass_quantize and colormap settings, so you only need to set the enable flags for any other quantization methods you plan to change to later.

After setting the enable flags correctly at jpeg_start_decompress() time, you can change to any enabled quantization method by setting two_pass_quantize and colormap properly just before calling jpeg_start_output(). The following special rules apply:
1. You must explicitly set cinfo.colormap to NULL when switching to 1-pass or 2-pass mode from a different mode, or when you want the 2-pass quantizer to be re-run to generate a new colormap.
2. To switch to an external colormap, or to change to a different external colormap than was used on the prior pass, you must call jpeg_new_colormap() after setting cinfo.colormap.

NOTE: if you want to use the same colormap as was used in the prior pass, you should not do either of these things. This will save some nontrivial switchover costs. (These requirements exist because cinfo.colormap will always be non-NULL after completing a prior output pass, since both the 1-pass and 2-pass quantizers set it to point to their output colormaps. Thus you have to do one of these two things to notify the library that something has changed. Yup, it's a bit klugy, but it's necessary to do it this way for backwards compatibility.)

Note that in buffered-image mode, the library generates any requested colormap during jpeg_start_output(), not during jpeg_start_decompress().

When using two-pass quantization, jpeg_start_output() makes a pass over the buffered image to determine the optimum color map; it therefore may take a significant amount of time, whereas ordinarily it does little work. The progress monitor hook is called during this pass, if defined. It is also important to realize that if the specified target scan number is greater than or equal to the current input scan number, jpeg_start_output() will attempt
to consume input as it makes this pass. If you use a suspending data source, you need to check for a FALSE return from jpeg_start_output() under these conditions. The combination of 2-pass quantization and a not-yet-fully-read target scan is the only case in which jpeg_start_output() will consume input.

Application authors who support buffered-image mode may be tempted to use it for all JPEG images, even single-scan ones. This will work, but it is inefficient: there is no need to create an image-sized coefficient buffer for single-scan images. Requesting buffered-image mode for such an image wastes memory. Worse, it can cost time on large images, since the buffered data has to be swapped out or written to a temporary file. If you are concerned about maximum performance on baseline JPEG files, you should use buffered-image mode only when the incoming file actually has multiple scans. This can be tested by calling jpeg_has_multiple_scans(), which will return a correct result at any time after jpeg_read_header() completes.

It is also worth noting that when you use jpeg_consume_input() to let input processing get ahead of output processing, the resulting pattern of access to the coefficient buffer is quite nonsequential. It's best to use the memory manager jmemnobs.c if you can (i.e., if you have enough real or virtual main memory). If not, at least make sure that max_memory_to_use is set as high as possible. If the JPEG memory manager has to use a temporary file, you will probably see a lot of disk traffic and poor performance. (This could be improved with additional work on the memory manager, but we haven't gotten around to it yet.)

In some applications it may be convenient to use jpeg_consume_input() for all input processing, including reading the initial markers; that is, you may wish to call jpeg_consume_input() instead of jpeg_read_header() during startup. This works, but note that you must check for JPEG_REACHED_SOS and JPEG_REACHED_EOI return codes as the equivalent of jpeg_read_header's codes. Once the first SOS marker has been reached, you must call jpeg_start_decompress() before jpeg_consume_input() will consume more input; it'll just keep returning JPEG_REACHED_SOS until you do. If you read a tables-only file this way, jpeg_consume_input() will return JPEG_REACHED_EOI without ever returning JPEG_REACHED_SOS; be sure to check for this case. If this happens, the decompressor will not read any more input until you call jpeg_abort() to reset it. It is OK to call jpeg_consume_input() even when not using buffered-image mode, but in that case it's basically a no-op after the initial markers have been read: it will just return JPEG_SUSPENDED.

Abbreviated datastreams and multiple images
-------------------------------------------

A JPEG compression or decompression object can be reused to process multiple images. This saves a small amount of time per image by eliminating the
"create" and "destroy" operations, but that isn't the real purpose of the feature. Rather, reuse of an object provides support for abbreviated JPEG datastreams. Object reuse can also simplify processing a series of images in a single input or output file. This section explains these features.

A JPEG file normally contains several hundred bytes worth of quantization and Huffman tables. In a situation where many images will be stored or transmitted with identical tables, this may represent an annoying overhead. The JPEG standard therefore permits tables to be omitted. The standard defines three classes of JPEG datastreams:

* "Interchange" datastreams contain an image and all tables needed to decode the image. These are the usual kind of JPEG file.
* "Abbreviated image" datastreams contain an image, but are missing some or all of the tables needed to decode that image.
* "Abbreviated table specification" (henceforth "tables-only") datastreams contain only table specifications.

To decode an abbreviated image, it is necessary to load the missing table(s) into the decoder beforehand. This can be accomplished by reading a separate tables-only file. A variant scheme uses a series of images in which the first image is an interchange (complete) datastream, while subsequent ones are abbreviated and rely on the tables loaded by the first image. It is assumed that once the decoder has read a table, it will remember that table until a new definition for the same table number is encountered.

It is the application designer's responsibility to figure out how to associate the correct tables with an abbreviated image. While abbreviated datastreams can be useful in a closed environment, their use is strongly discouraged in any situation where data exchange with other applications might be needed. Caveat designer.

The JPEG library provides support for reading and writing any combination of tables-only datastreams and abbreviated images. In both compression and decompression objects, a quantization or Huffman table will be retained for the lifetime of the object, unless it is overwritten by a new table definition.

To create abbreviated image datastreams, it is only necessary to tell the compressor not to emit some or all of the tables it is using. Each quantization and Huffman table struct contains a boolean field "sent_table", which normally is initialized to FALSE. For each table used by the image, the header-writing process emits the table and sets sent_table = TRUE unless it is already TRUE. (In normal usage, this prevents outputting the same table definition multiple times, as would otherwise occur because the chroma components typically share tables.) Thus, setting this field to TRUE before calling jpeg_start_compress() will prevent the table from being written at all.

If you want to create a "pure" abbreviated image file containing no tables,
just call "jpeg_suppress_tables(&cinfo, TRUE)" after constructing all the
tables. If you want to emit some but not all tables, you'll need to set the
individual sent_table fields directly.

To create an abbreviated image, you must also call jpeg_start_compress()
with a second parameter of FALSE, not TRUE. Otherwise jpeg_start_compress()
will force all the sent_table fields to FALSE. (This is a safety feature to
prevent abbreviated images from being created accidentally.)

To create a tables-only file, perform the same parameter setup that you
normally would, but instead of calling jpeg_start_compress() and so on, call
jpeg_write_tables(&cinfo). This will write an abbreviated datastream
containing only SOI, DQT and/or DHT markers, and EOI. All the quantization
and Huffman tables that are currently defined in the compression object will
be emitted unless their sent_tables flag is already TRUE, and then all the
sent_tables flags will be set TRUE.

A sure-fire way to create matching tables-only and abbreviated image files
is to proceed as follows:

create JPEG compression object
set JPEG parameters
set destination to tables-only file
jpeg_write_tables(&cinfo);
set destination to image file
jpeg_start_compress(&cinfo, FALSE);
write data...
jpeg_finish_compress(&cinfo);

Since the JPEG parameters are not altered between writing the table file and
the abbreviated image file, the same tables are sure to be used. Of course,
you can repeat the jpeg_start_compress() ... jpeg_finish_compress() sequence
many times to produce many abbreviated image files matching the table file.

You cannot suppress output of the computed Huffman tables when Huffman
optimization is selected. (If you could, there'd be no way to decode the
image...) Generally, you don't want to set optimize_coding = TRUE when
you are trying to produce abbreviated files.

In some cases you might want to compress an image using tables which are
not stored in the application, but are defined in an interchange or
tables-only file readable by the application. This can be done by setting up
a JPEG decompression object to read the specification file, then copying the
tables into your compression object. See jpeg_copy_critical_parameters()
for an example of copying quantization tables.

To read abbreviated image files, you simply need to load the proper tables
into the decompression object before trying to read the abbreviated image. If the proper tables are stored in the application program, you can just allocate the table structs and fill in their contents directly. For example, to load a fixed quantization table into table slot "n":

```c
if (cinfo.quant_tbl_ptrs[n] == NULL)
    cinfo.quant_tbl_ptrs[n] = jpeg_alloc_quant_table((j_common_ptr) &cinfo);
quant_ptr = cinfo.quant_tbl_ptrs[n]; /* quant_ptr is JQUANT_TBL*/
for (i = 0; i < 64; i++) {
    /* Qtable[] is desired quantization table, in natural array order */
    quant_ptr->quantval[i] = Qtable[i];
}
```

Code to load a fixed Huffman table is typically (for AC table "n"):

```c
if (cinfo.ac_huff_tbl_ptrs[n] == NULL)
    cinfo.ac_huff_tbl_ptrs[n] = jpeg_alloc_huff_table((j_common_ptr) &cinfo);
huff_ptr = cinfo.ac_huff_tbl_ptrs[n]; /* huff_ptr is JHUFF_TBL*/
for (i = 1; i <= 16; i++) {
    /* counts[i] is number of Huffman codes of length i bits, i=1..16 */
    huff_ptr->bits[i] = counts[i];
}
for (i = 0; i < 256; i++) {
    /* symbols[] is the list of Huffman symbols, in code-length order */
    huff_ptr->huffval[i] = symbols[i];
}
```

(Note that trying to set cinfo.quant_tbl_ptrs[n] to point directly at a constant JQUANT_TBL object is not safe. If the incoming file happened to contain a quantization table definition, your master table would get overwritten! Instead allocate a working table copy and copy the master table into it, as illustrated above. Ditto for Huffman tables, of course.)

You might want to read the tables from a tables-only file, rather than hard-wiring them into your application. The jpeg_read_header() call is sufficient to read a tables-only file. You must pass a second parameter of FALSE to indicate that you do not require an image to be present. Thus, the typical scenario is

create JPEG decompression object
set source to tables-only file
jpeg_read_header(&cinfo, FALSE);
set source to abbreviated image file
jpeg_read_header(&cinfo, TRUE);
set decompression parameters
jpeg_start_decompress(&cinfo);
read data...
jpeg_finish_decompress(&cinfo);
In some cases, you may want to read a file without knowing whether it contains an image or just tables. In that case, pass FALSE and check the return value from jpeg_read_header(): it will be JPEG_HEADER_OK if an image was found, JPEG_HEADER_TABLES_ONLY if only tables were found. (A third return value, JPEG_SUSPENDED, is possible when using a suspending data source manager.) Note that jpeg_read_header() will not complain if you read an abbreviated image for which you haven't loaded the missing tables; the missing-table check occurs later, in jpeg_start_decompress().

It is possible to read a series of images from a single source file by repeating the jpeg_read_header() ... jpeg_finish_decompress() sequence, without releasing/recreating the JPEG object or the data source module. (If you did reinitialize, any partial bufferload left in the data source buffer at the end of one image would be discarded, causing you to lose the start of the next image.) When you use this method, stored tables are automatically carried forward, so some of the images can be abbreviated images that depend on tables from earlier images.

If you intend to write a series of images into a single destination file, you might want to make a specialized data destination module that doesn't flush the output buffer at term_destination() time. This would speed things up by some trifling amount. Of course, you'd need to remember to flush the buffer after the last image. You can make the later images be abbreviated ones by passing FALSE to jpeg_start_compress().

Special markers
---------------

Some applications may need to insert or extract special data in the JPEG datastream. The JPEG standard provides marker types "COM" (comment) and "APPO" through "APP15" (application) to hold application-specific data. Unfortunately, the use of these markers is not specified by the standard. COM markers are fairly widely used to hold user-supplied text. The JFIF file format spec uses APP0 markers with specified initial strings to hold certain data. Adobe applications use APP14 markers beginning with the string "Adobe" for miscellaneous data. Other APPn markers are rarely seen, but might contain almost anything.

If you wish to store user-supplied text, we recommend you use COM markers and place readable 7-bit ASCII text in them. Newline conventions are not standardized --- expect to find LF (Unix style), CR/LF (DOS style), or CR (Mac style). A robust COM reader should be able to cope with random binary garbage, including nulls, since some applications generate COM markers containing non-ASCII junk. (But yours should not be one of them.)
For program-supplied data, use an APPn marker, and be sure to begin it with an identifying string so that you can tell whether the marker is actually yours. It's probably best to avoid using APP0 or APP14 for any private markers. (NOTE: the upcoming SPIFF standard will use APP8 markers; we recommend you not use APP8 markers for any private purposes, either.)

Keep in mind that at most 65533 bytes can be put into one marker, but you can have as many markers as you like.

By default, the IJG compression library will write a JFIF APP0 marker if the selected JPEG colorspace is grayscale or YCbCr, or an Adobe APP14 marker if the selected colorspace is RGB, CMYK, or YCCK. You can disable this, but we don't recommend it. The decompression library will recognize JFIF and Adobe markers and will set the JPEG colorspace properly when one is found.

You can write special markers immediately following the datastream header by calling jpeg_write_marker() after jpeg_start_compress() and before the first call to jpeg_write_scanlines(). When you do this, the markers appear after the SOI and the JFIF APP0 and Adobe APP14 markers (if written), but before all else. Specify the marker type parameter as "JPEG_COM" for COM or "JPEG_APP0 + n" for APPn. (Actually, jpeg_write_marker will let you write any marker type, but we don't recommend writing any other kinds of marker.) For example, to write a user comment string pointed to by comment_text:

```c
jpeg_write_marker(cinfo, JPEG_COM, comment_text, strlen(comment_text));
```

If it's not convenient to store all the marker data in memory at once, you can instead call jpeg_write_m_header() followed by multiple calls to jpeg_write_m_byte(). If you do it this way, it's your responsibility to call jpeg_write_m_byte() exactly the number of times given in the length parameter to jpeg_write_m_header(). (This method lets you empty the output buffer partway through a marker, which might be important when using a suspending data destination module. In any case, if you are using a suspending destination, you should flush its buffer after inserting any special markers. See "I/O suspension".)

Or, if you prefer to synthesize the marker byte sequence yourself, you can just cram it straight into the data destination module.

If you are writing JFIF 1.02 extension markers (thumbnail images), don't forget to set cinfo.JFIF_minor_version = 2 so that the encoder will write the correct JFIF version number in the JFIF header marker. The library's default is to write version 1.01, but that's wrong if you insert any 1.02 extension markers. (We could probably get away with just defaulting to 1.02, but there used to be broken decoders that would complain about unknown minor version numbers. To reduce compatibility risks it's safest not to write 1.02 unless you are actually using 1.02 extensions.)
When reading, two methods of handling special markers are available:
1. You can ask the library to save the contents of COM and/or APPn markers into memory, and then examine them at your leisure afterwards.
2. You can supply your own routine to process COM and/or APPn markers on-the-fly as they are read.

The first method is simpler to use, especially if you are using a suspending data source; writing a marker processor that copes with input suspension is not easy (consider what happens if the marker is longer than your available input buffer). However, the second method conserves memory since the marker data need not be kept around after it's been processed.

For either method, you'd normally set up marker handling after creating a decompression object and before calling jpeg_read_header(), because the markers of interest will typically be near the head of the file and so will be scanned by jpeg_read_header. Once you've established a marker handling method, it will be used for the life of that decompression object (potentially many datastreams), unless you change it. Marker handling is determined separately for COM markers and for each APPn marker code.

To save the contents of special markers in memory, call

```
jpeg_save_markers(cinfo, marker_code, length_limit)
```

where marker_code is the marker type to save, JPEG_COM or JPEG_APP0+n.

(To arrange to save all the special marker types, you need to call this routine 17 times, for COM and APP0-APP15.) If the incoming marker is longer than length_limit data bytes, only length_limit bytes will be saved; this parameter allows you to avoid chewing up memory when you only need to see the first few bytes of a potentially large marker. If you want to save all the data, set length_limit to 0xFFFF; that is enough since marker lengths are only 16 bits. As a special case, setting length_limit to 0 prevents that marker type from being saved at all. (That is the default behavior, in fact.)

After jpeg_read_header() completes, you can examine the special markers by following the cinfo->marker_list pointer chain. All the special markers in the file appear in this list, in order of their occurrence in the file (but omitting any markers of types you didn't ask for). Both the original data length and the saved data length are recorded for each list entry; the latter will not exceed length_limit for the particular marker type. Note that these lengths exclude the marker length word, whereas the stored representation within the JPEG file includes it. (Hence the maximum data length is really only 65533.)

It is possible that additional special markers appear in the file beyond the SOS marker at which jpeg_read_header stops; if so, the marker list will be extended during reading of the rest of the file. This is not expected to be common, however. If you are short on memory you may want to reset the length limit to zero for all marker types after finishing jpeg_read_header, to
ensure that the max_memory_to_use setting cannot be exceeded due to addition of later markers.

The marker list remains stored until you call jpeg_finish_decompress or jpeg_abort, at which point the memory is freed and the list is set to empty. (jpeg_destroy also releases the storage, of course.)

Note that the library is internally interested in APP0 and APP14 markers; if you try to set a small nonzero length limit on these types, the library will silently force the length up to the minimum it wants. (But you can set a zero length limit to prevent them from being saved at all.) Also, in a 16-bit environment, the maximum length limit may be constrained to less than 65533 by malloc() limitations. It is therefore best not to assume that the effective length limit is exactly what you set it to be.

If you want to supply your own marker-reading routine, you do it by calling jpeg_set_marker_processor(). A marker processor routine must have the signature

boolean jpeg_marker_parser_method (j_decompress_ptr cinfo)

Although the marker code is not explicitly passed, the routine can find it in cinfo->unread_marker. At the time of call, the marker proper has been read from the data source module. The processor routine is responsible for reading the marker length word and the remaining parameter bytes, if any. Return TRUE to indicate success. (FALSE should be returned only if you are using a suspending data source and it tells you to suspend. See the standard marker processors in jdmarker.c for appropriate coding methods if you need to use a suspending data source.)

If you override the default APP0 or APP14 processors, it is up to you to recognize JFIF and Adobe markers if you want colorspace recognition to occur properly. We recommend copying and extending the default processors if you want to do that. (A better idea is to save these marker types for later examination by calling jpeg_save_markers(); that method doesn't interfere with the library's own processing of these markers.)

jpeg_set_marker_processor() and jpeg_save_markers() are mutually exclusive --- if you call one it overrides any previous call to the other, for the particular marker type specified.

A simple example of an external COM processor can be found in djpeg.c. Also, see jpegtran.c for an example of using jpeg_save_markers.

Raw (downsampled) image data
------------------------------

Some applications need to supply already-downsampled image data to the JPEG
compressor, or to receive raw downsampled data from the decompressor. The library supports this requirement by allowing the application to write or read raw data, bypassing the normal preprocessing or postprocessing steps. The interface is different from the standard one and is somewhat harder to use. If your interest is merely in bypassing color conversion, we recommend that you use the standard interface and simply set jpeg_color_space = in_color_space (or jpeg_color_space = out_color_space for decompression). The mechanism described in this section is necessary only to supply or receive downsampled image data, in which not all components have the same dimensions.

To compress raw data, you must supply the data in the colorspace to be used in the JPEG file (please read the earlier section on Special color spaces) and downsampled to the sampling factors specified in the JPEG parameters. You must supply the data in the format used internally by the JPEG library, namely a JSAMPIMAGE array. This is an array of pointers to two-dimensional arrays, each of type JSAMPARRAY. Each 2-D array holds the values for one color component. This structure is necessary since the components are of different sizes. If the image dimensions are not a multiple of the MCU size, you must also pad the data correctly (usually, this is done by replicating the last column and/or row). The data must be padded to a multiple of a DCT block in each component: that is, each downsampled row must contain a multiple of 8 valid samples, and there must be a multiple of 8 sample rows for each component. (For applications such as conversion of digital TV images, the standard image size is usually a multiple of the DCT block size, so that no padding need actually be done.)

The procedure for compression of raw data is basically the same as normal compression, except that you call jpeg_write_raw_data() in place of jpeg_write_scanlines(). Before calling jpeg_start_compress(), you must do the following:
* Set cinfo->raw_data_in to TRUE. (It is set FALSE by jpeg_set_defaults().) This notifies the library that you will be supplying raw data.
* Ensure jpeg_color_space is correct --- an explicit jpeg_set_colors() call is a good idea. Note that since color conversion is bypassed, in_color_space is ignored, except that jpeg_set_defaults() uses it to choose the default jpeg_color_space setting.
* Ensure the sampling factors, cinfo->comp_info[i].h_samp_factor and cinfo->comp_info[i].v_samp_factor, are correct. Since these indicate the dimensions of the data you are supplying, it's wise to set them explicitly, rather than assuming the library's defaults are what you want.

To pass raw data to the library, call jpeg_write_raw_data() in place of jpeg_write_scanlines(). The two routines work similarly except that jpeg_write_raw_data() takes a JSAMPIMAGE data array rather than JSAMPARRAY. The scanlines count passed to and returned from jpeg_write_raw_data() is measured in terms of the component with the largest v_samp_factor.
jpeg_write_raw_data() processes one MCU row per call, which is to say
v_samp_factor*DCTSIZE sample rows of each component. The passed num_lines
value must be at least max_v_samp_factor*DCTSIZE, and the return value will
be exactly that amount (or possibly some multiple of that amount, in future
library versions). This is true even on the last call at the bottom of the
image; don't forget to pad your data as necessary.

The required dimensions of the supplied data can be computed for each
component as
cinfo->comp_info[i].width_in_blocks*DCTSIZE  samples per row
cinfo->comp_info[i].height_in_blocks*DCTSIZE rows in image
after jpeg_start_compress() has initialized those fields. If the valid data
is smaller than this, it must be padded appropriately. For some sampling
factors and image sizes, additional dummy DCT blocks are inserted to make
the image a multiple of the MCU dimensions. The library creates such dummy
blocks itself; it does not read them from your supplied data. Therefore you
need never pad by more than DCTSIZE samples. An example may help here.
Assume 2h2v downsampling of YCbCr data, that is
cinfo->comp_info[0].h_samp_factor = 2 for Y
cinfo->comp_info[0].v_samp_factor = 2
cinfo->comp_info[1].h_samp_factor = 1 for Cb
cinfo->comp_info[1].v_samp_factor = 1
cinfo->comp_info[2].h_samp_factor = 1 for Cr
cinfo->comp_info[2].v_samp_factor = 1
and suppose that the nominal image dimensions (cinfo->image_width and
cinfo->image_height) are 101x101 pixels. Then jpeg_start_compress() will
compute downsampled_width = 101 and width_in_blocks = 13 for Y,
downsampled_width = 51 and width_in_blocks = 7 for Cb and Cr (and the same
for the height fields). You must pad the Y data to at least 13*8 = 104
columns and rows, the Cb/Cr data to at least 7*8 = 56 columns and rows. The
MCU height is max_v_samp_factor = 2 DCT rows so you must pass at least 16
scanlines on each call to jpeg_write_raw_data(), which is to say 16 actual
sample rows of Y and 8 each of Cb and Cr. A total of 7 MCU rows are needed,
so you must pass a total of 7*16 = 112 "scanlines". The last DCT block row
of Y data is dummy, so it doesn't matter what you pass for it in the data
arrays, but the scanlines count must total up to 112 so that all of the Cb
and Cr data gets passed.

Output suspension is supported with raw-data compression: if the data
destination module suspends, jpeg_write_raw_data() will return 0.
In this case the same data rows must be passed again on the next call.

Decompression with raw data output implies bypassing all postprocessing:
you cannot ask for rescaling or color quantization, for instance. More
seriously, you must deal with the color space and sampling factors present in
the incoming file. If your application only handles, say, 2h1v YCbCr data,
you must check for and fail on other color spaces or other sampling factors. The library will not convert to a different color space for you.

To obtain raw data output, set cinfo->raw_data_out = TRUE before jpeg_start_decompress() (it is set FALSE by jpeg_read_header()). Be sure to verify that the color space and sampling factors are ones you can handle. Then call jpeg_read_raw_data() in place of jpeg_read_scanlines(). The decompression process is otherwise the same as usual.

jpeg_read_raw_data() returns one MCU row per call, and thus you must pass a buffer of at least max_v_samp_factor*DCTSIZE scanlines (scanline counting is the same as for raw-data compression). The buffer you pass must be large enough to hold the actual data plus padding to DCT-block boundaries. As with compression, any entirely dummy DCT blocks are not processed so you need not allocate space for them, but the total scanline count includes them. The above example of computing buffer dimensions for raw-data compression is equally valid for decompression.

Input suspension is supported with raw-data decompression: if the data source module suspends, jpeg_read_raw_data() will return 0. You can also use buffered-image mode to read raw data in multiple passes.

Really raw data: DCT coefficients
----------------------------------

It is possible to read or write the contents of a JPEG file as raw DCT coefficients. This facility is mainly intended for use in lossless transcoding between different JPEG file formats. Other possible applications include lossless cropping of a JPEG image, lossless reassembly of a multi-strip or multi-tile TIFF/JPEG file into a single JPEG datastream, etc.

To read the contents of a JPEG file as DCT coefficients, open the file and do jpeg_read_header() as usual. But instead of calling jpeg_start_decompress() and jpeg_read_scanlines(), call jpeg_read_coefficients(). This will read the entire image into a set of virtual coefficient-block arrays, one array per component. The return value is a pointer to an array of virtual-array descriptors. Each virtual array can be accessed directly using the JPEG memory manager's access_virt_barray method (see Memory management, below, and also read structure.txt's discussion of virtual array handling). Or, for simple transcoding to a different JPEG file format, the array list can just be handed directly to jpeg_write_coefficients().

Each block in the block arrays contains quantized coefficient values in normal array order (not JPEG zigzag order). The block arrays contain only DCT blocks containing real data; any entirely-dummy blocks added to fill out interleaved MCUs at the right or bottom edges of the image are discarded during reading and are not stored in the block arrays. (The size of each
block array can be determined from the width_in_blocks and height_in_blocks fields of the component's comp_info entry.) This is also the data format expected by jpeg_write_coefficients().

When you are done using the virtual arrays, call jpeg_finish_decompress() to release the array storage and return the decompression object to an idle state; or just call jpeg_destroy() if you don't need to reuse the object.

If you use a suspending data source, jpeg_read_coefficients() will return NULL if it is forced to suspend; a non-NULL return value indicates successful completion. You need not test for a NULL return value when using a non-suspending data source.

It is also possible to call jpeg_read_coefficients() to obtain access to the decoder's coefficient arrays during a normal decode cycle in buffered-image mode. This frammish might be useful for progressively displaying an incoming image and then re-encoding it without loss. To do this, decode in buffered-image mode as discussed previously, then call jpeg_read_coefficients() after the last jpeg_finish_output() call. The arrays will be available for your use until you call jpeg_finish_decompress().

To write the contents of a JPEG file as DCT coefficients, you must provide the DCT coefficients stored in virtual block arrays. You can either pass block arrays read from an input JPEG file by jpeg_read_coefficients(), or allocate virtual arrays from the JPEG compression object and fill them yourself. In either case, jpeg_write_coefficients() is substituted for jpeg_start_compress() and jpeg_write_scanlines(). Thus the sequence is

* Create compression object
* Set all compression parameters as necessary
* Request virtual arrays if needed
* jpeg_write_coefficients()
* jpeg_finish_compress()
* Destroy or re-use compression object

jpeg_write_coefficients() is passed a pointer to an array of virtual block array descriptors; the number of arrays is equal to cinfo.num_components.

The virtual arrays need only have been requested, not realized, before jpeg_write_coefficients() is called. A side-effect of jpeg_write_coefficients() is to realize any virtual arrays that have been requested from the compression object's memory manager. Thus, when obtaining the virtual arrays from the compression object, you should fill the arrays after calling jpeg_write_coefficients(). The data is actually written out when you call jpeg_finish_compress(); jpeg_write_coefficients() only writes the file header.

When writing raw DCT coefficients, it is crucial that the JPEG quantization tables and sampling factors match the way the data was encoded, or the
resulting file will be invalid. For transcoding from an existing JPEG file, we recommend using jpeg_copy_critical_parameters(). This routine initializes all the compression parameters to default values (like jpeg_set_defaults()), then copies the critical information from a source decompression object. The decompression object should have just been used to read the entire JPEG input file --- that is, it should be awaiting jpeg_finish_decompress().

jpeg_write_coefficients() marks all tables stored in the compression object as needing to be written to the output file (thus, it acts like jpeg_start_compress(cinfo, TRUE)). This is for safety’s sake, to avoid emitting abbreviated JPEG files by accident. If you really want to emit an abbreviated JPEG file, call jpeg_suppress_tables(), or set the tables’ individual sent_table flags, between calling jpeg_write_coefficients() and jpeg_finish_compress().

Progress monitoring
---------------------
Some applications may need to regain control from the JPEG library every so often. The typical use of this feature is to produce a percent-done bar or other progress display. (For a simple example, see cjpeg.c or djpeg.c.) Although you do get control back frequently during the data-transferring pass (the jpeg_read_scanlines or jpeg_write_scanlines loop), any additional passes will occur inside jpeg_finish_compress or jpeg_start_decompress; those routines may take a long time to execute, and you don't get control back until they are done.

You can define a progress-monitor routine which will be called periodically by the library. No guarantees are made about how often this call will occur, so we don't recommend you use it for mouse tracking or anything like that. At present, a call will occur once per MCU row, scanline, or sample row group, whichever unit is convenient for the current processing mode; so the wider the image, the longer the time between calls. During the data transferring pass, only one call occurs per call of jpeg_read_scanlines or jpeg_write_scanlines, so don’t pass a large number of scanlines at once if you want fine resolution in the progress count. (If you really need to use the callback mechanism for time-critical tasks like mouse tracking, you could insert additional calls inside some of the library’s inner loops.)

To establish a progress-monitor callback, create a struct jpeg_progress_mgr, fill in its progress_monitor field with a pointer to your callback routine, and set cinfo->progress to point to the struct. The callback will be called whenever cinfo->progress is non-NULL. (This pointer is set to NULL by jpeg_create_compress or jpeg_create_decompress; the library will not change it thereafter. So if you allocate dynamic storage for the progress struct, make sure it will live as long as the JPEG object does. Allocating from the JPEG memory manager with lifetime JPOOL_PERMANENT will work nicely.) You
can use the same callback routine for both compression and decompression.

The jpeg_progress_mngr struct contains four fields which are set by the library:

- long pass_counter;/* work units completed in this pass */
- long pass_limit;/* total number of work units in this pass */
- int completed_passes;/* passes completed so far */
- int total_passes;/* total number of passes expected */

During any one pass, pass_counter increases from 0 up to (not including) pass_limit; the step size is usually but not necessarily 1. The pass_limit value may change from one pass to another. The expected total number of passes is in total_passes, and the number of passes already completed is in completed_passes. Thus the fraction of work completed may be estimated as completed_passes + (pass_counter/pass_limit) / total_passes

ignoring the fact that the passes may not be equal amounts of work.

When decompressing, pass_limit can even change within a pass, because it depends on the number of scans in the JPEG file, which isn't always known in advance. The computed fraction-of-work-done may jump suddenly (if the library discovers it has overestimated the number of scans) or even decrease (in the opposite case). It is not wise to put great faith in the work estimate.

When using the decompressor's buffered-image mode, the progress monitor work estimate is likely to be completely unhelpful, because the library has no way to know how many output passes will be demanded of it. Currently, the library sets total_passes based on the assumption that there will be one more output pass if the input file end hasn't yet been read (jpeg_input_complete() isn't TRUE), but no more output passes if the file end has been reached when the output pass is started. This means that total_passes will rise as additional output passes are requested. If you have a way of determining the input file size, estimating progress based on the fraction of the file that's been read will probably be more useful than using the library's value.

Memory management

-------------------

This section covers some key facts about the JPEG library's built-in memory manager. For more info, please read structure.txt's section about the memory manager, and consult the source code if necessary.

All memory and temporary file allocation within the library is done via the memory manager. If necessary, you can replace the "back end" of the memory manager to control allocation yourself (for example, if you don't want the library to use malloc() and free() for some reason).

Some data is allocated "permanently" and will not be freed until the JPEG
object is destroyed. Most data is allocated “per image” and is freed by
jpeg_finish_compress, jpeg_finish_decompress, or jpeg_abort. You can call the
memory manager yourself to allocate structures that will automatically be
freed at these times. Typical code for this is

ptr = (*cinfo->mem->alloc_small) ((j_common_ptr) cinfo, JPOOL_IMAGE, size);

Use JPOOL_PERMANENT to get storage that lasts as long as the JPEG object.
Use alloc_large instead of alloc_small for anything bigger than a few Kbytes.
There are also alloc_sarray and alloc_barray routines that automatically
build 2-D sample or block arrays.

The library’s minimum space requirements to process an image depend on the
image’s width, but not on its height, because the library ordinarily works
with "strip" buffers that are as wide as the image but just a few rows high.
Some operating modes (eg, two-pass color quantization) require full-image
buffers. Such buffers are treated as "virtual arrays": only the current strip
need be in memory, and the rest can be swapped out to a temporary file.

If you use the simplest memory manager back end (jmemnobs.c), then no
temporary files are used; virtual arrays are simply malloc()’d. Images bigger
than memory can be processed only if your system supports virtual memory.
The other memory manager back ends support temporary files of various flavors
and thus work in machines without virtual memory. They may also be useful on
Unix machines if you need to process images that exceed available swap space.

When using temporary files, the library will make the in-memory buffers for
its virtual arrays just big enough to stay within a "maximum memory” setting.
Your application can set this limit by setting cinfo->mem->max_memory_to_use
after creating the JPEG object. (Of course, there is still a minimum size for
the buffers, so the max-memory setting is effective only if it is bigger than
the minimum space needed.) If you allocate any large structures yourself, you
must allocate them before jpeg_start_compress() or jpeg_start_decompress() in
order to have them counted against the max memory limit. Also keep in mind
that space allocated with alloc_small() is ignored, on the assumption that
it’s too small to be worth worrying about; so a reasonable safety margin
should be left when setting max_memory_to_use.

If you use the jmennname.c or jmemdos.c memory manager back end, it is
important to clean up the JPEG object properly to ensure that the temporary
files get deleted. (This is especially crucial with jmemdos.c, where the
"temporary files” may be extended-memory segments; if they are not freed,
DOS will require a reboot to recover the memory.) Thus, with these memory
managers, it’s a good idea to provide a signal handler that will trap any
early exit from your program. The handler should call either jpeg_abort()
or jpeg_destroy() for any active JPEG objects. A handler is not needed with
jmennobs.c, and shouldn’t be necessary with jmemansi.c or jmemmac.c either,
since the C library is supposed to take care of deleting files made with
tmpfile().
Memory usage
----------

Working memory requirements while performing compression or decompression depend on image dimensions, image characteristics (such as colorspace and JPEG process), and operating mode (application-selected options).

As of v6b, the decompressor requires:
1. About 24K in more-or-less-fixed-size data. This varies a bit depending on operating mode and image characteristics (particularly color vs. grayscale), but it doesn't depend on image dimensions.
2. Strip buffers (of size proportional to the image width) for IDCT and upsampling results. The worst case for commonly used sampling factors is about 34 bytes * width in pixels for a color image. A grayscale image only needs about 8 bytes per pixel column.
3. A full-image DCT coefficient buffer is needed to decode a multi-scan JPEG file (including progressive JPEGs), or whenever you select buffered-image mode. This takes 2 bytes/coefficient. At typical 2x2 sampling, that's 3 bytes per pixel for a color image. Worst case (1x1 sampling) requires 6 bytes/pixel. For grayscale, figure 2 bytes/pixel.
4. To perform 2-pass color quantization, the decompressor also needs a 128K color lookup table and a full-image pixel buffer (3 bytes/pixel). This does not count any memory allocated by the application, such as a buffer to hold the final output image.

The above figures are valid for 8-bit JPEG data precision and a machine with 32-bit ints. For 12-bit JPEG data, double the size of the strip buffers and quantization pixel buffer. The "fixed-size" data will be somewhat smaller with 16-bit ints, larger with 64-bit ints. Also, CMYK or other unusual colors spaces will require different amounts of space.

The full-image coefficient and pixel buffers, if needed at all, do not have to be fully RAM resident; you can have the library use temporary files instead when the total memory usage would exceed a limit you set. (But if your OS supports virtual memory, it's probably better to just use jmemnobs and let the OS do the swapping.)

The compressor's memory requirements are similar, except that it has no need for color quantization. Also, it needs a full-image DCT coefficient buffer if Huffman-table optimization is asked for, even if progressive mode is not requested.

If you need more detailed information about memory usage in a particular situation, you can enable the MEM_STATS code in jmemmgr.c.

Library compile-time options
A number of compile-time options are available by modifying jmorecfg.h.

The JPEG standard provides for both the baseline 8-bit DCT process and a 12-bit DCT process. The IJG code supports 12-bit lossy JPEG if you define BITS_IN_JSAMPLE as 12 rather than 8. Note that this causes JSAMPLE to be larger than a char, so it affects the surrounding application's image data. The sample applications cjpeg and djpeg can support 12-bit mode only for PPM and GIF file formats; you must disable the other file formats to compile a 12-bit cjpeg or djpeg. (install.txt has more information about that.) At present, a 12-bit library can handle *only* 12-bit images, not both precisions. (If you need to include both 8- and 12-bit libraries in a single application, you could probably do it by defining NEED_SHORT_EXTERNAL_NAMES for just one of the copies. You'd have to access the 8-bit and 12-bit copies from separate application source files. This is untested ... if you try it, we'd like to hear whether it works!)

Note that a 12-bit library always compresses in Huffman optimization mode, in order to generate valid Huffman tables. This is necessary because our default Huffman tables only cover 8-bit data. If you need to output 12-bit files in one pass, you'll have to supply suitable default Huffman tables. You may also want to supply your own DCT quantization tables; the existing quality-scaling code has been developed for 8-bit use, and probably doesn't generate especially good tables for 12-bit.

The maximum number of components (color channels) in the image is determined by MAX_COMPONENTS. The JPEG standard allows up to 255 components, but we expect that few applications will need more than four or so.

On machines with unusual data type sizes, you may be able to improve performance or reduce memory space by tweaking the various typedefs in jmorecfg.h. In particular, on some RISC CPUs, access to arrays of "short"s is quite slow; consider trading memory for speed by making JCOEF, INT16, and UINT16 be "int" or "unsigned int". UINT8 is also a candidate to become int. You probably don't want to make JSAMPLE be int unless you have lots of memory to burn.

You can reduce the size of the library by compiling out various optional functions. To do this, undefine xxx_SUPPORTED symbols as necessary.

You can also save a few K by not having text error messages in the library; the standard error message table occupies about 5Kb. This is particularly reasonable for embedded applications where there's no good way to display a message anyway. To do this, remove the creation of the message table (jpeg_std_message_table[]) from jerror.c, and alter format_message to do something reasonable without it. You could output the numeric value of the message code number, for example. If you do this, you can also save a couple
more K by modifying the TRACEMSn() macros in jerror.h to expand to nothing; you don’t need trace capability anyway, right?

Portability considerations
----------------------------

The JPEG library has been written to be extremely portable; the sample applications cjpeg and djpeg are slightly less so. This section summarizes the design goals in this area. (If you encounter any bugs that cause the library to be less portable than is claimed here, we’d appreciate hearing about them.)

The code works fine on ANSI C, C++, and pre-ANSI C compilers, using any of the popular system include file setups, and some not-so-popular ones too. See install.txt for configuration procedures.

The code is not dependent on the exact sizes of the C data types. As distributed, we make the assumptions that char is at least 8 bits wide
short is at least 16 bits wide
int is at least 16 bits wide
long is at least 32 bits wide
(These are the minimum requirements of the ANSI C standard.) Wider types will work fine, although memory may be used inefficiently if char is much larger than 8 bits or short is much bigger than 16 bits. The code should work equally well with 16- or 32-bit ints.

In a system where these assumptions are not met, you may be able to make the code work by modifying the typedefs in jmorecfg.h. However, you will probably have difficulty if int is less than 16 bits wide, since references to plain int abound in the code.

char can be either signed or unsigned, although the code runs faster if an unsigned char type is available. If char is wider than 8 bits, you will need to redefine JOCTET and/or provide custom data source/destination managers so that JOCTET represents exactly 8 bits of data on external storage.

The JPEG library proper does not assume ASCII representation of characters. But some of the image file I/O modules in cjpeg/djpeg do have ASCII dependencies in file-header manipulation; so does cjpeg’s select_file_type() routine.

The JPEG library does not rely heavily on the C library. In particular, C stdio is used only by the data source/destination modules and the error handler, all of which are application-replaceable. (cjpeg/djpeg are more heavily dependent on stdio.) malloc and free are called only from the memory manager “back end” module, so you can use a different memory allocator by
replacing that one file.

The code generally assumes that C names must be unique in the first 15 characters. However, global function names can be made unique in the first 6 characters by defining NEED_SHORTEXTERNAL_NAMES.

More info about porting the code may be gleaned by reading jconfig.txt, jmorecfg.h, and jinclude.h.

Notes for MS-DOS implementors
-------------------------------

The IJG code is designed to work efficiently in 80x86 "small" or "medium" memory models (i.e., data pointers are 16 bits unless explicitly declared "far"; code pointers can be either size). You may be able to use small model to compile cjpeg or djpeg by itself, but you will probably have to use medium model for any larger application. This won't make much difference in performance. You *will* take a noticeable performance hit if you use a large-data memory model (perhaps 10%-25%), and you should avoid "huge" model if at all possible.

The JPEG library typically needs 2Kb-3Kb of stack space. It will also malloc about 20K-30K of near heap space while executing (and lots of far heap, but that doesn't count in this calculation). This figure will vary depending on selected operating mode, and to a lesser extent on image size. There is also about 5Kb-6Kb of constant data which will be allocated in the near data segment (about 4Kb of this is the error message table). Thus you have perhaps 20K available for other modules' static data and near heap space before you need to go to a larger memory model. The C library's static data will account for several K of this, but that still leaves a good deal for your needs. (If you are tight on space, you could reduce the sizes of the I/O buffers allocated by jdatasrc.c and jdatadst.c, say from 4K to 1K. Another possibility is to move the error message table to far memory; this should be doable with only localized hacking on jerror.c.)

About 2K of the near heap space is "permanent" memory that will not be released until you destroy the JPEG object. This is only an issue if you save a JPEG object between compression or decompression operations.

Far data space may also be a tight resource when you are dealing with large images. The most memory-intensive case is decompression with two-pass color quantization, or single-pass quantization to an externally supplied color map. This requires a 128Kb color lookup table plus strip buffers amounting to about 40 bytes per column for typical sampling ratios (eg, about 25600 bytes for a 640-pixel-wide image). You may not be able to process wide images if you have large data structures of your own.
Of course, all of these concerns vanish if you use a 32-bit flat-memory-model compiler, such as DJGPP or Watcom C. We highly recommend flat model if you can use it; the JPEG library is significantly faster in flat model.

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

/*
 * jutils.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * *
 * This file contains tables and miscellaneous utility routines needed
 * for both compression and decompression.
 * Note we prefix all global names with "j" to minimize conflicts with
 * a surrounding application.
 */

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

/*
 * jchuff.h
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * *
 * This file contains declarations for Huffman entropy encoding routines
 * that are shared between the sequential encoder (jchuff.c) and the
* progressive encoder (jcphuff.c). No other modules need to see these.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jcphuff.h
No license file was found, but licenses were detected in source scan.

/ *
* jinclude.h
 *
* Copyright (C) 1991-1994, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
 *
* This file exists to provide a single place to fix any problems with
* including the wrong system include files. (Common problems are taken
* care of by the standard jconfig symbols, but on really weird systems
* you may have to edit this file.)
 *
* NOTE: this file is NOT intended to be included by applications using the
* JPEG library. Most applications need only include jpeglib.h.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jinclude.h
No license file was found, but licenses were detected in source scan.

/ *
* wrjpgcom.c
 *
* Copyright (C) 1994-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
 *
* This file contains a very simple stand-alone application that inserts
* user-supplied text as a COM (comment) marker in a JFIF file.
* This may be useful as an example of the minimum logic needed to parse
* JPEG markers.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/wrjpgcom.c
No license file was found, but licenses were detected in source scan.
* wrrle.c
* Copyright (C) 1991-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains routines to write output images in RLE format.
* The Utah Raster Toolkit library is required (version 3.1 or later).
*
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume output to
* an ordinary stdio stream.
*
* Based on code contributed by Mike Lijewski,
* with updates from Robert Hutchinson.
* /

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGru/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/wrrle.c

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

/*
* cjpeg.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1998, Thomas G. Lane.
* Modifications:
* Copyright (C) 2010, 2013, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains a command-line user interface for the JPEG compressor.
* It should work on any system with Unix- or MS-DOS-style command lines.
*
* Two different command line styles are permitted, depending on the
* compile-time switch TWO_FILE_COMMANDLINE:
* cjpeg [options] inputfile outputfile
* cjpeg [options] [inputfile]
* In the second style, output is always to standard output, which you'd
* normally redirect to a file or pipe to some other program. Input is
* either from a named file or from standard input (typically redirected).
* The second style is convenient on Unix but is unhelpful on systems that
* don't support pipes. Also, you MUST use the first style if your system
* doesn't do binary I/O to stdin/stdout.
* To simplify script writing, the "-outfile" switch is provided. The syntax
* cjpeg [options] -outfile outputfile inputfile
* works regardless of which command line style is used.
Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/cjpeg.c
No license file was found, but licenses were detected in source scan.

/*
 * jerror.h
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file defines the error and message codes for the JPEG library.
 * Edit this file to add new codes, or to translate the message strings to
 * some other language.
 * A set of error-reporting macros are defined too. Some applications using
 * the JPEG library may wish to include this file to get the error codes
 * and/or the macros.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jerror.h
No license file was found, but licenses were detected in source scan.

/*
 * rdppm.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modified 2009 by Bill Allombert, Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to read input images in PPM/PGM format.
 * The extended 2-byte-per-sample raw PPM/PGM formats are supported.
 * The PBMPLUS library is NOT required to compile this software
 * (but it is highly useful as a set of PPM image manipulation programs).
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume input from
 * an ordinary stdio stream. They further assume that reading begins
 * at the start of the file; start_input may need work if the
 * user interface has already read some data (e.g., to determine that
 * the file is indeed PPM format).
 */
/* Portions of this code are based on the PBMPLUS library, which is:
**
** Copyright (C) 1988 by Jef Poskanzer.
**
** Permission to use, copy, modify, and distribute this software and its
** documentation for any purpose and without fee is hereby granted, provided
** that the above copyright notice appear in all copies and that both that
** copyright notice and this permission notice appear in supporting
** documentation. This software is provided "as is" without express or
** implied warranty.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
  archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/rdppm.c
No license file was found, but licenses were detected in source scan.

/*
 * cdjpeg.h
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * This file contains common declarations for the sample applications
 * cjpeg and djpeg. It is NOT used by the core JPEG library.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
  archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/cdjpeg.h
No license file was found, but licenses were detected in source scan.

/*
 * jdinput.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 * This file contains input control logic for the JPEG decompressor.
 * These routines are concerned with controlling the decompressor's input
 * processing (marker reading and coefficient decoding). The actual input
 * reading is done in jdmarker.c, jdhuff.c, and jdphuff.c.
 */
/*
 * jdmerge.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Modifications:
 * Copyright (C) 2009, 2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains code for merged upsampling/color conversion.
 *
 * This file combines functions from jdsample.c and jdcolor.c;
 * read those files first to understand what's going on.
 *
 * When the chroma components are to be upsampled by simple replication
 * (ie, box filtering), we can save some work in color conversion by
 * calculating all the output pixels corresponding to a pair of chroma
 * samples at one time. In the conversion equations
 *     R = Y + K1 * Cr
 *     G = Y + K2 * Cb + K3 * Cr
 *     B = Y + K4 * Cb
 * only the Y term varies among the group of pixels corresponding to a pair
 * of chroma samples, so the rest of the terms can be calculated just once.
 * At typical sampling ratios, this eliminates half or three-quarters of the
 * multiplications needed for color conversion.
 *
 * This file currently provides implementations for the following cases:
 * YCbCr => RGB color conversion only.
 * Sampling ratios of 2h1v or 2h2v.
 * No scaling needed at upsample time.
 * Corner-aligned (non-CCIR601) sampling alignment.
 * Other special cases could be added, but in most applications these are
 * the only common cases. (For uncommon cases we fall back on the more
 * general code in jdsample.c and jdcolor.c.)
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGru/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HulRy1W4/libjpeg-turbo-1.2.90/jdinput.c
No license file was found, but licenses were detected in source scan.

/*
This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modified 2002-2010 by Guido Vollbeding.
* Modifications:
  * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
  * Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.

* This file contains the inverse-DCT management logic.
* This code selects a particular IDCT implementation to be used,
  * and it performs related housekeeping chores. No code in this file
  * is executed per IDCT step, only during output pass setup.
* Note that the IDCT routines are responsible for performing coefficient
  * dequantization as well as the IDCT proper. This module sets up the
  * dequantization multiplier table needed by the IDCT routine.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jddctmgr.c
No license file was found, but licenses were detected in source scan.

/*
* jdatadst.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modified 2009-2012 by Guido Vollbeding.
* Modifications:
* Copyright (C) 2013, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains compression data destination routines for the case of
  * emitting JPEG data to memory or to a file (or any stdio stream).
  * While these routines are sufficient for most applications,
  * some will want to use a different destination manager.
  * IMPORTANT: we assume that fwrite() will correctly transcribe an array of
  * JOCTETs into 8-bit-wide elements on external storage. If char is wider
  * than 8 bits on your machine, you may need to do some tweaking.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jdatadst.c
No license file was found, but licenses were detected in source scan.

/*
 * cderror.h
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * Modified 2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file defines the error and message codes for the cjpeg/djpeg
 * applications. These strings are not needed as part of the JPEG library
 * proper.
 * Edit this file to add new codes, or to translate the message strings to
 * some other language.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/cderror.h
No license file was found, but licenses were detected in source scan.

/*
 * jdarith.c
 *
 * Developed 1997-2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains portable arithmetic entropy decoding routines for JPEG
 *
 * Both sequential and progressive modes are supported in this single module.
 *
 * Suspension is not currently supported in this module.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jdarith.c
No license file was found, but licenses were detected in source scan.

/*
 * jidctfst.c
 *
 * Copyright (C) 1994-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
This file contains a fast, not so accurate integer implementation of the inverse DCT (Discrete Cosine Transform). In the IJG code, this routine must also perform dequantization of the input coefficients.

A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT on each row (or vice versa, but it's more convenient to emit a row at a time). Direct algorithms are also available, but they are much more complex and seem not to be any faster when reduced to code.

This implementation is based on Arai, Agui, and Nakajima's algorithm for scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in Japanese, but the algorithm is described in the Pennebaker & Mitchell JPEG textbook (see REFERENCES section in file README). The following code is based directly on figure 4-8 in P&M.

While an 8-point DCT cannot be done in less than 11 multiplies, it is possible to arrange the computation so that many of the multiplies are simple scalings of the final outputs. These multiplies can then be folded into the multiplications or divisions by the JPEG quantization table entries. The AA&N method leaves only 5 multiplies and 29 adds to be done in the DCT itself.

The primary disadvantage of this method is that with fixed-point math, accuracy is lost due to imprecise representation of the scaled quantization values. The smaller the quantization table entry, the less precise the scaled value, so this implementation does worse with high-quality-setting files than with low-quality ones.

This file contains a fast, not so accurate integer implementation of the inverse DCT (Discrete Cosine Transform). In the IJG code, this routine must also perform dequantization of the input coefficients.

A 2-D IDCT can be done by 1-D IDCT on each column followed by 1-D IDCT on each row (or vice versa, but it's more convenient to emit a row at a time). Direct algorithms are also available, but they are much more complex and seem not to be any faster when reduced to code.

This implementation is based on Arai, Agui, and Nakajima's algorithm for scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in Japanese, but the algorithm is described in the Pennebaker & Mitchell JPEG textbook (see REFERENCES section in file README). The following code is based directly on figure 4-8 in P&M.

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The primary disadvantage of this method is that with fixed-point math, accuracy is lost due to imprecise representation of the scaled quantization values. The smaller the quantization table entry, the less precise the scaled value, so this implementation does worse with high-quality-setting files than with low-quality ones.

*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jidctfst.c

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

/
* jsimddct.h
*
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
*
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
*
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jsimddct.h
No license file was found, but licenses were detected in source scan.

; jdct.inc - private declarations for forward & reverse DCT subsystems
; Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
; Based on
; x86 SIMD extension for IJG JPEG library
; Copyright (C) 1999-2006, MIYASAKA Masaru.
; For conditions of distribution and use, see copyright notice in jsimdext.inc
;
; [TAB8]

; Each IDCT routine is responsible for range-limiting its results and
; converting them to unsigned form (0..MAXJSAMPLE). The raw outputs could
; be quite far out of range if the input data is corrupt, so a bulletproof
; range-limiting step is required. We use a mask-and-table-lookup method
; to do the combined operations quickly.
;
%define RANGE_MASK  (MAXJSAMPLE * 4 + 3)  ; 2 bits wider than legal samples

%define ROW(n,b,s)((b)+(n)*(s))
%define COL(n,b,s)((b)+(n)*(s)*DCTSIZE)

%define DWBLOCK(m,n,b,s)((b)+(m)*DCTSIZE*(s)+(n)*SIZEOF_DWORD)
%define MMBLOCK(m,n,b,s)((b)+(m)*DCTSIZE*(s)+(n)*SIZEOF_MMWORD)
%define XMMBLOCK(m,n,b,s)((b)+(m)*DCTSIZE*(s)+(n)*SIZEOF_XMMWORD)

; --------------------------------------------------------------------------------

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/simd/jdct.inc
No license file was found, but licenses were detected in source scan.

/*
* jcinit.c
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* *
* This file contains initialization logic for the JPEG compressor.
* This routine is in charge of selecting the modules to be executed and
* making an initialization call to each one.
* *
* Logically, this code belongs in jcmaster.c. It's split out because
* linking this routine implies linking the entire compression library.
* For a transcoding-only application, we want to be able to use jcmaster.c
* without linking in the whole library.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/jlibjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jcinit.c

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

/*
 * jconfig.txt
 *
 * Copyright (C) 1991-1994, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file documents the configuration options that are required to
 * customize the JPEG software for a particular system.
 *
 * The actual configuration options for a particular installation are stored
 * in jconfig.h. On many machines, jconfig.h can be generated automatically
 * or copied from one of the "canned" jconfig files that we supply. But if
 * you need to generate a jconfig.h file by hand, this file tells you how.
 *
 * DO NOT EDIT THIS FILE --- IT WON'T ACCOMPLISH ANYTHING.
 * EDIT A COPY NAMED JCONFIG.H.
 */

/*
 * These symbols indicate the properties of your machine or compiler.
 * #define the symbol if yes, #undef it if no.
 */

/* Does your compiler support function prototypes?
 * (If not, you also need to use ansi2knr, see install.txt)
 */
#define HAVE_PROTOTYPES

/* Does your compiler support the declaration "unsigned char" ?
 * How about "unsigned short" ?
 */
#define HAVE_UNSIGNED_CHAR
#define HAVE_UNSIGNED_SHORT

/* Define "void" as "char" if your compiler doesn't know about type void.
 * NOTE: be sure to define void such that "void *" represents the most general
* pointer type, e.g., that returned by malloc().
*/
/* #define void char */

/* Define "const" as empty if your compiler doesn't know the "const" keyword.
*/
/* #define const */

/* Define this if an ordinary "char" type is unsigned.
* If you're not sure, leaving it undefined will work at some cost in speed.
* If you defined HAVE_UNSIGNED_CHAR then the speed difference is minimal.
*/
#undef CHAR_IS_UNSIGNED

/* Define this if your system has an ANSI-conforming <stddef.h> file.
*/
#define HAVE_STDDEF_H

/* Define this if your system has an ANSI-conforming <stdlib.h> file.
*/
#define HAVE_STDLIB_H

/* Define this if your system does not have an ANSI/SysV <string.h>,
* but does have a BSD-style <strings.h>.
*/
#undef NEED_BSD_STRINGS

/* Define this if your system does not provide typedef size_t in any of the
* ANSI-standard places (stddef.h, stdlib.h, or stdio.h), but places it in
* <sys/types.h> instead.
*/
#undef NEED_SYS_TYPES_H

/* For 80x86 machines, you need to define NEED_FAR_POINTERS,
* unless you are using a large-data memory model or 80386 flat-memory mode.
* On less brain-damaged CPUs this symbol must not be defined.
* (Defining this symbol causes large data structures to be referenced through
* "far" pointers and to be allocated with a special version of malloc.)
*/
#undef NEED_FAR_POINTERS

/* Define this if your linker needs global names to be unique in less
* than the first 15 characters.
*/
#undef NEED_SHORT_EXTERNAL_NAMES

/* Although a real ANSI C compiler can deal perfectly well with pointers to
* unspecified structures (see "incomplete types" in the spec), a few pre-ANSI
* and pseudo-ANSI compilers get confused. To keep one of these bozos happy,
* define INCOMPLETE_TYPES_BROKEN. This is not recommended unless you
* actually get "missing structure definition" warnings or errors while
* compiling the JPEG code.
*/
#undef INCOMPLETE_TYPES_BROKEN

/* Define "boolean" as unsigned char, not int, on Windows systems.
*/
#ifndef WIN32
#ifndef __RPCNDR_H__ /* don't conflict if rpcndr.h already read */
typedef unsigned char boolean;
#endif
#define HAVE_BOOLEAN /* prevent jmorecfg.h from redefining it */
#endif

/*
* The following options affect code selection within the JPEG library,
* but they don't need to be visible to applications using the library.
* To minimize application namespace pollution, the symbols won't be
* defined unless JPEG_INTERNALS has been defined.
*/
#ifdef JPEG_INTERNALS
/* Define this if your compiler implements ">>" on signed values as a logical
* (unsigned) shift; leave it undefined if ">>" is a signed (arithmetic) shift,
* which is the normal and rational definition.
*/
#undef RIGHT_SHIFT_IS_UNSIGNED
#endif /* JPEG_INTERNALS */
#endif /*JPEG_INTERNALS */

/*
* The remaining options do not affect the JPEG library proper,
* but only the sample applications cjjpeg/djpeg (see cjjpeg.c, djpeg.c).
* Other applications can ignore these.
*/
#ifdef JPEG_CJJPEG_DJPEG
/* These defines indicate which image (non-JPEG) file formats are allowed. */
#define BMP_SUPPORTED/* BMP image file format */
#define GIF_SUPPORTED/* GIF image file format */
#define PPM_SUPPORTED		/* PBMPLUS PPM/PGM image file format */
#undef RLE_SUPPORTED		/* Utah RLE image file format */
#define TARGA_SUPPORTED		/* Targa image file format */

/* Define this if you want to name both input and output files on the command
* line, rather than using stdout and optionally stdin. You MUST do this if
* your system can't cope with binary I/O to stdin/stdout. See comments at
* head of cjpeg.c or djpeg.c.
*/
#undef TWO_FILE_COMMANDLINE

/* Define this if your system needs explicit cleanup of temporary files.
* This is crucial under MS-DOS, where the temporary "files" may be areas
* of extended memory; on most other systems it's not as important.
*/
#undef NEED_SIGNAL_CATCHER

/* By default, we open image files with fopen(...."rb") or fopen(...."wb").
* This is necessary on systems that distinguish text files from binary files,
* and is harmless on most systems that don't. If you have one of the rare
* systems that complains about the "b" spec, define this symbol.
*/
#undef DONT_USE_B_MODE

/* Define this if you want percent-done progress reports from cjpeg/djpeg.
*/
#undef PROGRESS_REPORT

#endif /* JPEG_CJPEG_DJPEG */
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modified 2009-2012 by Guido Vollbeding.
* Modifications:
* Copyright (C) 2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains compression data destination routines for the case of
* emitting JPEG data to memory or to a file (or any stdio stream).
* While these routines are sufficient for most applications,
* some will want to use a different destination manager.
* IMPORTANT: we assume that fwrite() will correctly transcribe an array of
* JOCTETs into 8-bit-wide elements on external storage. If char is wider
* than 8 bits on your machine, you may need to do some tweaking.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jdatadst-tj.c
No license file was found, but licenses were detected in source scan.

/*
 * rdbmp.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modified 2009-2010 by Guido Vollbeding.
 * Modifications:
 * Modified 2011 by Siarhei Siamashka.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to read input images in Microsoft "BMP"
 * format (MS Windows 3.x, OS/2 1.x, and OS/2 2.x flavors).
 * Currently, only 8-bit and 24-bit images are supported, not 1-bit or
 * 4-bit (feeding such low-depth images into JPEG would be silly anyway).
 * Also, we don't support RLE-compressed files.
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume input from
 * an ordinary stdio stream. They further assume that reading begins
 * at the start of the file; start_input may need work if the
 * user interface has already read some data (e.g., to determine that
 * the file is indeed BMP format).
 *
 * This code contributed by James Arthur Boucher.
 */

Found in path(s):
Open Source Used In Cisco Unified Contact Center Express 12.5(1) SU2 5450

/*
 * jdapimin.c
 *
 * Copyright (C) 1994-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains application interface code for the decompression half
 * of the JPEG library. These are the "minimum" API routines that may be
 * needed in either the normal full-decompression case or the
 * transcoding-only case.
 *
 * Most of the routines intended to be called directly by an application
 * are in this file or in jdapistd.c. But also see jcomapi.c for routines
 * shared by compression and decompression, and jdtrans.c for the transcoding
 * case.
 */

Found in path(s):
*/

* jsimd.h
 *
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2011 D. R. Commander
 *
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
 *
*/

Found in path(s):
*/

* jpegtran.c
 *
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1995-2010, Thomas G. Lane, Guido Vollbeding.
* Modifications:
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
* This file contains a command-line user interface for JPEG transcoding.
* It is very similar to cjpeg.c, and partly to djpeg.c, but provides
* lossless transcoding between different JPEG file formats. It also
* provides some lossless and sort-of-lossless transformations of JPEG data.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYI1W4/libjpeg-turbo-1.2.90/jpegtran.c
No license file was found, but licenses were detected in source scan.

/*
 * cdjpeg.c
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 * This file contains common support routines used by the IJG application
 * programs (cjpeg, djpeg, jpegtran).
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYI1W4/libjpeg-turbo-1.2.90/cdjpeg.c
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/*
 * jpeglib.h
 *
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 * Copyright (C) 1991-1998, Thomas G. Lane.
 * Modified 2002-2009 by Guido Vollbeding.
 * Modifications:
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 * For conditions of distribution and use, see the accompanying README file.
 * This file defines the application interface for the JPEG library.
 * Most applications using the library need only include this file,
 * and perhaps jerror.h if they want to know the exact error codes.
 */

Found in path(s):
/* simd/jsimd.h

* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2011 D. R. Commander
*
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
*
*/

Found in path(s):
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/*
* jcdctmgr.c
*
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* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright (C) 2011 D. R. Commander
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the forward-DCT management logic.
* This code selects a particular DCT implementation to be used,
* and it performs related housekeeping chores including coefficient
* quantization.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jcdctmgr.c
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* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIw4/libjpeg-turbo-1.2.90/jquant1.c
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIw4/libjpeg-turbo-1.2.90/jmemnobs.c
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Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIw4/libjpeg-turbo-1.2.90/jcprepct.c
No license file was found, but licenses were detected in source scan.
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* 
* This file contains the compression preprocessing controller.
* This controller manages the color conversion, downsampling,
* and edge expansion steps.
* 
* Most of the complexity here is associated with buffering input rows
* as required by the downsampler. See the comments at the head of
* jcsample.c for the downsampler's needs.
* */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jcprepct.c
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* jchuff.c
*
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* 
* This file contains Huffman entropy encoding routines.
* 
* Much of the complexity here has to do with supporting output suspension.
* If the data destination module demands suspension, we want to be able to
* back up to the start of the current MCU. To do this, we copy state
* variables into local working storage, and update them back to the
* permanent JPEG objects only upon successful completion of an MCU.
* */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jchuff.c
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* POSSIBILITY OF SUCH DAMAGE.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJ.java
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJDecompressor.java
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/java/TJUnitTest.java
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJLoader.java
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/java/TJCompressor.java
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJCompressor.java
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/turbojpeg-jni.c
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/java/TJExample.java

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* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIw4/libjpeg-turbo-1.2.90/jcstest.c
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIw4/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJScalingFactor.java
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIw4/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJCustomFilter.java
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIw4/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJTransformer.java
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIw4/libjpeg-turbo-1.2.90/tjutil.c
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIw4/libjpeg-turbo-1.2.90/bmp.h
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIw4/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJloader.java.in
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIw4/libjpeg-turbo-1.2.90/tjutil.h
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIw4/libjpeg-turbo-1.2.90/java/org/libjpegturbo/turbojpeg/TJTransformer.java
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
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/*
* rdcolmap.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file implements djpeg's "-map file" switch. It reads a source image
* and constructs a colormap to be supplied to the JPEG decompressor.
*
* Currently, these file formats are supported for the map file:
* GIF: the contents of the GIF's global colormap are used.
* PPM (either text or raw flavor): the entire file is read and
* each unique pixel value is entered in the map.
* Note that reading a large PPM file will be horrendously slow.
* Typically, a PPM-format map file should contain just one pixel
* of each desired color. Such a file can be extracted from an
* ordinary image PPM file with ppmtomap(1).
*
* Rescaling a PPM that has a maxval unequal to MAXJSAMPLE is not
* currently implemented.
*/

/* Portions of this code are based on the PBMPLUS library, which is:
**
** Copyright (C) 1988 by Jef Poskanzer.
**
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Found in path(s):
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; jsimdext.inc - common declarations
;
; Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
; Copyright 2010 D. R. Commander
;
; Based on
; x86 SIMD extension for IJG JPEG library - version 1.02
;
; Copyright (C) 1999-2006, MIYASAKA Masaru.
;
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;
; [TAB8]

; ==============================================================
; System-dependent configurations

%ifdef WIN32; ----(nasm -fwin32 -DWIN32 ...)--------
; * Microsoft Visual C++
; * MinGW (Minimalist GNU for Windows)
; * CygWin
; * LCC-Win32

; -- segment definition --

%ifdef __YASM_VER__
%define SEG_TEXT .text align=16
%define SEG_CONST .rdata align=16
#else
%define SEG_TEXT .text align=16 public use32 class=CODE
%define SEG_CONST .rdata align=16 public use32 class=CONST
%endif

%elifdef WIN64; ----(nasm -fwin64 -DWIN64 ...)--------
; * Microsoft Visual C++

; -- segment definition --

%ifdef __YASM_VER__
%define SEG_TEXT .text align=16
%define SEG_CONST .rdata align=16
%else
%define SEG_TEXT .text align=16 public use64 class=CODE
%define SEG_CONST .rdata align=16 public use64 class=CONST
%endif
%define EXTN(name) name; foo() -> foo

%elifdef OBJ32; -(nasm -fobj -DOBJ32 ...)---------
; * Borland C++ (Win32)

; -- segment definition --
;
%define SEG_TEXT .text align=16 public use32 class=CODE
%define SEG_CONST .data align=16 public use32 class=DATA

%elifdef ELF; -(nasm -felf[64] -DELF ...)---------
; * Linux
; * *BSD family Unix using elf format
; * Unix System V, including Solaris x86, UnixWare and SCO Unix

; mark stack as non-executable
section .note.GNU-stack noalloc noexec nowrite progbits

; -- segment definition --
;
%ifdef __x86_64__
%define SEG_TEXT .text progbits align=16
%define SEG_CONST .rodata progbits align=16
%else
%define SEG_TEXT .text progbits alloc exec nowrite align=16
%define SEG_CONST .rodata progbits alloc noexec nowrite align=16
%endif

; To make the code position-independent, append -DPIC to the commandline
;
%define GOT_SYMBOL _GLOBAL_OFFSET_TABLE_; ELF supports PIC
%define EXTN(name) name; foo() -> foo

%elifdef AOUT; -(nasm -faoutb/aout -DAOUT ...)-------
; * Older Linux using a.out format (nasm -f aout -DAOUT ...)
; * *BSD family Unix using a.out format (nasm -f aoutb -DAOUT ...)

; -- segment definition --
;
%define SEG_TEXT .text
%define SEG_CONST .data
To make the code position-independent, append -DPIC to the commandline.

%define GOT_SYMBOL __GLOBAL_OFFSET_TABLE__; BSD-style a.out supports PIC

%elifdef MACHO; ---(nasm -fmacho -DMACHO ...)--------
; * NeXTstep/OpenStep/Rhapsody/Darwin/MacOS X (Mach-O format)

; -- segment definition --
;
%define SEG_TEXT .text ;align=16; nasm doesn't accept align=16. why?
%define SEG_CONST .rodata align=16

; The generation of position-independent code (PIC) is the default on Darwin.
;
%define PIC
%define GOT_SYMBOL _MACHO_PIC_; Mach-O style code-relative addressing

%else; ---(Other case)----------------------

; -- segment definition --
;
%define SEG_TEXT .text
%define SEG_CONST .data

%endif; -----------------------------------------------

; ==================================================================
; ---------------------------------------------------------------------
;  Common types
;
%ifdef __x86_64__
%define POINTER                 qword           ; general pointer type
%define SIZEOF_POINTER          SIZEOF_QWORD    ; sizeof(POINTER)
%define POINTER_BIT             QWORD_BIT       ; sizeof(POINTER)*BYTE_BIT
%else
%define POINTER                 dword           ; general pointer type
%define SIZEOF_POINTER          SIZEOF_DWORD    ; sizeof(POINTER)
%define POINTER_BIT             DWORD_BIT       ; sizeof(POINTER)*BYTE_BIT
%endif

%define INT                     dword           ; signed integer type
%define SIZEOF_INT              SIZEOF_DWORD    ; sizeof(INT)
%define INT_BIT                 DWORD_BIT       ; sizeof(INT)*BYTE_BIT

%define FP32                    dword           ; IEEE754 single
%define SIZEOF_FP32             SIZEOF_DWORD    ; sizeof(FP32)
%define FP32_BIT                DWORD_BIT       ; sizeof(FP32)*BYTE_BIT
%define MMWORD qword ; int64 (MMX register)
%define SIZEOF_MMWORD SIZEOF_QWORD ; sizeof(MMWORD)
%define MMWORD_BIT QWORD_BIT ; sizeof(MMWORD)*BYTE_BIT

; NASM is buggy and doesn't properly handle operand sizes for SSE
; instructions, so for now we have to define XMMWORD as blank.
%define XMMWORD ; int128 (SSE register)
%define SIZEOF_XMMWORD SIZEOF_QWORD ; sizeof(XMMWORD)
%define XMMWORD_BIT QWORD_BIT ; sizeof(XMMWORD)*BYTE_BIT

; Similar hacks for when we load a dword or MMWORD into an xmm# register
%define XMM_DWORD
%define XMM_MMWORD

%define SIZEOF_BYTE 1 ; sizeof(BYTE)
%define SIZEOF_WORD 2 ; sizeof(WORD)
%define SIZEOF_DWORD 4 ; sizeof(DWORD)
%define SIZEOF_QWORD 8 ; sizeof(QWORD)
%define SIZEOF_OWORD 16 ; sizeof(OWORD)

%define BYTE_BIT 8 ; CHAR_BIT in C
%define WORD_BIT 16 ; sizeof(WORD)*BYTE_BIT
%define DWORD_BIT 32 ; sizeof(DWORD)*BYTE_BIT
%define QWORD_BIT 64 ; sizeof(QWORD)*BYTE_BIT
%define OWORD_BIT 128 ; sizeof(OWORD)*BYTE_BIT

;余万元一/exn

; External Symbol Name
;
%ifndef EXTN
%define EXTN(name) _ += name ; foo() -> _foo
%endif

;余万元一/exn

; Macros for position-independent code (PIC) support
;
%ifndef GOT_SYMBOL
%undef PIC
%endif

%ifdef PIC ;余万元一/exn
%ifdef GOT_SYMBOL ;余万元一/exn
%ifndef __MACHO_PIC__
%endif

; At present, nasm doesn't seem to support PIC generation for Mach-O.
; The PIC support code below is a little tricky.
SECTIONSEG_CONST

const_base:

%define GOTOFF(got,sym) (got) + (sym) - const_base

%imacro get_GOT1
; NOTE: this macro destroys ecx resister.
call%%geteip
addecx, byte (%%ref - $)
jmpshort %%adjust
%%geteip:
movecx, POINTER [esp]
ret
%%adjust:
pushebp
xorebp,ebp; ebp = 0
%ifidni {%1,ebx; (%1 == ebx)
; db 0x8D,0x9C + jmp near const_base =
; lea ebx, [ecx+ebp*8+(const_base-%%ref)] ; 8D,9C,E9,(offset32)
dbox8D,0x9C; 8D,9C
jmpnear const_base; E9,(const_base-%%ref)
%%%ref:
%else ; (%1 != ebx)
; db 0x8D,0x8C + jmp near const_base =
; lea ecx, [ecx+ebp*8+(const_base-%%ref)] ; 8D,8C,E9,(offset32)
dbox8D,0x8C; 8D,8C
jmpnear const_base; E9,(const_base-%%ref)
%%%ref:mov%1, ecx
%endif ; (%1 == ebx)
popebp
%endmacro

%else; GOT_SYMBOL != _MACHO_PIC_ ---------------

%define GOTOFF(got,sym) (got) + (sym) wrt ..gotoff

%imacro get_GOT1
externGOT_SYMBOL
call%%geteip
add%1, GOT_SYMBOL + $$ - $ wrt ..gotpc
jmpshort %%done
%%geteip:
mov%1, POINTER [esp]
ret
%%%done:
%endmacro

%endif; GOT_SYMBOL == _MACHO_PIC_ ---------------
%imacro pushpic1.nolist
push%1
%endmacro
%imacro poppic1.nolist
pop%1
%endmacro
%imacro movpic2.nolist
mov%1,%2
%endmacro
%else; 'PIC -----------------------------------------
%define GOTOFF(got,sym) (sym)
%imacro get_GOT	1.nolist
%endmacro
%imacro pushpic	1.nolist
%endmacro
%imacro poppic	1.nolist
%endmacro
%imacro movpic	2.nolist
%endmacro
%endif; PIC -----------------------------------------

%; --------------------------------------------------------------------------
%; Align the next instruction on {2,4,8,16,..}-byte boundary.
%; "align n,m" in GNU as
%;
;%define MSKLE(x,y)  (~(((y) & 0xFFFF) - ((x) & 0xFFFF)) >> 16)
;%define FILLB(b,n)  (($$-(b)) & ((n)-1))

%imacro alignx 1-2.nolist 0xFFFF
%%bs:	times MSKLE(FILLB(%%bs,%1),%2) & MSKLE(16,FILLB($,%1)) & FILLB($,%1) \
        db 0x90 ; nop
    times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/9 \
        db 0x8D,0x23,0x00,0x00,0x00,0x00,0x00 ; lea ebx,[ebx+0x00000000]
    times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/7 \
        db 0x8D,0x25,0x00,0x00,0x00,0x00,0x00 ; lea ebp,[ebp+0x00000000]
    times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/6 \
        db 0x8D,0xAD,0x00,0x00 ; lea ebp,[ebp+0x00000000]
    times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/4 \
        db 0x8D,0x6C,0x25,0x00 ; mov ebp,ebp
    times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/3 \
        db 0x8B,0xED
    times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/2 \
        db 0x8B,0xEF
    times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1) \
        db 0x8B,0xEE
    times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1) \
        db 0x8B,0xED
    times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1) \
        db 0x8B,0xED
    times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1) \
        db 0x8B,0xEE
    times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1) \
        db 0x8B,0xEE
times MSKLE(FILLB(%%bs,%1),%2) & FILLB($,%1)/1  \
    db 0x90            ; nop
%endmacro

; Align the next data on {2,4,8,16,...}-byte boundary.
;
%imacro alignz 1.nolist
align %1, db 0; filling zeros
%endmacro

%ifdef __x86_64__
%ifdef WIN64

%imacro collect_args 0
push r12
push r13
push r14
push r15
mov r10, rcx
mov r11, rdx
mov r12, r8
mov r13, r9
mov r14, [rax+48]
mov r15, [rax+56]
push rsi
push rdi
sub    rsp, SIZEOF_XMMWORD
movaps XMMWORD [rsp], xmm6
sub    rsp, SIZEOF_XMMWORD
movaps XMMWORD [rsp], xmm7
%endmacro

%imacro uncollect_args 0
movaps xmm7, XMMWORD [rsp]
add    rsp, SIZEOF_XMMWORD
movaps xmm6, XMMWORD [rsp]
add    rsp, SIZEOF_XMMWORD
pop rdi
pop rsi
pop r15
pop r14
pop r13
pop r12
%endmacro

%else
Open Source Used In Cisco Unified Contact Center Express 12.5(1) SU2 5465

/*
 * rdrle.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 */

%imacro collect_args 0
push r10
push r11
push r12
push r13
push r14
push r15
mov r10, rdi
mov r11, rsi
mov r12, rdx
mov r13, rcx
mov r14, r8
mov r15, r9
%endmacro

%imacro uncollect_args 0
pop r15
pop r14
pop r13
pop r12
pop r11
pop r10
%endmacro

%endif
%endif

; --------------------------------------------------------------------------
; Defines picked up from the C headers
;
%include "jsimdcfg.inc"

; --------------------------------------------------------------------------

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jsimdext.inc
No license file was found, but licenses were detected in source scan.
* This file contains routines to read input images in Utah RLE format.
* The Utah Raster Toolkit library is required (version 3.1 or later).
 *
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume input from
* an ordinary stdio stream. They further assume that reading begins
* at the start of the file; start_input may need work if the
* user interface has already read some data (e.g., to determine that
* the file is indeed RLE format).
 *
* Based on code contributed by Mike Lijewski,
* with updates from Robert Hutchinson.
*/

 Found in path(s):
*/
* jdsample.c
 *
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1996, Thomas G. Lane.
* Modifications:
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
 *
* This file contains upsampling routines.
 *
* Upsampling input data is counted in "row groups". A row group
* is defined to be (v_samp_factor * DCT_scaled_size / min_DCT_scaled_size)
* sample rows of each component. Upsampling will normally produce
* max_v_samp_factor pixel rows from each row group (but this could vary
* if the upsampler is applying a scale factor of its own).
 *
* An excellent reference for image resampling is
*/

 Found in path(s):
*/
libjpeg-turbo note: This image was extracted from the 8-bit nightshot_iso_100
image. The original can be downloaded at the link below.

The New Image Compression Test Set - Jan 2008
http://www.imagecompression.info/test_images

The images historically used for compression research (lena, barbra, pepper etc...) have outlived their useful life and its about time they become a part of history only. They are too small, come from data sources too old and are available in only 8-bit precision.

These images have been carefully selected to aid in image compression algorithm research and evaluation. These are photographic images chosen to come from a wide variety of sources and each one picked to stress different aspects of algorithms. Images are available in 8-bit, 16-bit and 16-bit linear variations, RGB and gray.

Images are available without any prohibitive copyright restrictions.

These images are (c) their respective owners. You are granted full redistribution and publication rights on these images provided:

1. The origin of the pictures must not be misrepresented; you must not claim that you took the original pictures. If you use, publish or redistribute them, an acknowledgment would be appreciated but is not required.
2. Altered versions must be plainly marked as such, and must not be misinterpreted as being the originals.
3. No payment is required for distribution this material, it must be available freely under the conditions stated here. That is, it is prohibited to sell the material.
4. This notice may not be removed or altered from any distribution.

Acknowledgments: A lot of people contributed a lot of time and effort in making this test set possible. Thanks to everyone who voiced their opinion in any of the discussions online. Thanks to Axel Becker, Thomas Richter and Niels Fröhling for their extensive help in picking images, running all the various tests etc... Thanks to Pete Fraser, Tony Story, Wayne J. Cosshall, David Coffin, Bruce Lindbloom and raw.fotosite.pl for the images which make up this set.

Sachin Garg [India]
sachingarg@c10n.info

www.sachingarg.com | www.c1n.info | www.imagecompression.info

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/testimages/nightshot_iso_100.txt

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

/*
 * jpegcomp.h
 *
 * Copyright (C) 2010, D. R. Commander
 * For conditions of distribution and use, see the accompanying README file.
 */
* JPEG compatibility macros
* These declarations are considered internal to the JPEG library; most
* applications using the library shouldn't need to include this file.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jpegcomp.h
No license file was found, but licenses were detected in source scan.

/*/  
* jdphuff.c
*  
* Copyright (C) 1995-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*  
* This file contains Huffman entropy decoding routines for progressive JPEG.
*  
* Much of the complexity here has to do with supporting input suspension.
* If the data source module demands suspension, we want to be able to back
* up to the start of the current MCU. To do this, we copy state variables
* into local working storage, and update them back to the permanent
* storage only upon successful completion of an MCU.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jdphuff.c
No license file was found, but licenses were detected in source scan.

/*/  
* jdcolext.c
*  
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modifications:
* Copyright (C) 2009, 2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*  
* This file contains output colorspace conversion routines.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jdcolext.c
No license file was found, but licenses were detected in source scan.
/*
 * wrppm.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Modified 2009 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to write output images in PPM/PGM format.
 * The extended 2-byte-per-sample raw PPM/PGM formats are supported.
 * The PBMPLUS library is NOT required to compile this software
 * (but it is highly useful as a set of PPM image manipulation programs).
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume output to
 * an ordinary stdio stream.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/wrppm.c
No license file was found, but licenses were detected in source scan.

/*
 * jdmarker.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2012, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to decode JPEG datastream markers.
 * Most of the complexity arises from our desire to support input
 * suspension: if not all of the data for a marker is available,
 * we must exit back to the application. On resumption, we reprocess
 * the marker.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jdmarker.c
No license file was found, but licenses were detected in source scan.

/*
 * jdmrgext.c
 *
 * This file was part of the Independent JPEG Group's software:

Copyright (C) 1994-1996, Thomas G. Lane.

Copyright (C) 2011, D. R. Commander.

For conditions of distribution and use, see the accompanying README file.

This file contains code for merged upsampling/color conversion.

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

/*
 * jpegint.h
 *
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file provides common declarations for the various JPEG modules.
 * These declarations are considered internal to the JPEG library; most
 * applications using the library shouldn't need to include this file.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/tjpegint.h

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

/*
 * jquant2.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2009, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains 2-pass color quantization (color mapping) routines.
 * These routines provide selection of a custom color map for an image,
 * followed by mapping of the image to that color map, with optional
 * Floyd-Steinberg dithering.
 * It is also possible to use just the second pass to map to an arbitrary
 * externally-given color map.
 *
 * Note: ordered dithering is not supported, since there isn't any fast
 * way to compute intercolor distances; it's unclear that ordered dither's
 * fundamental assumptions even hold with an irregularly spaced color map.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jquant2.c
No license file was found, but licenses were detected in source scan.

; jcolsamp.inc - private declarations for color conversion & up/downsampling
;
; Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
;
; Based on
; x86 SIMD extension for IJG JPEG library
; Copyright (C) 1999-2006, MIYASAKA Masaru.
; For conditions of distribution and use, see copyright notice in jsimdext.inc
;
; [TAB8]

; ------------------------------------------------------------------------

; pseudo-resisters to make ordering of RGB configurable
;
%if RGB_RED == 0
%define mmA mm0
%define mmB mm1
%define xmmA xmm0
%define xmmB xmm1
%elif RGB_GREEN == 0
%define mmA mm2
%define mmB mm3
%define xmmA xmm2
%define xmmB xmm3
%elif RGB_BLUE == 0
%define mmA mm4
%define mmB mm5
%define xmmA xmm4
%define xmmB xmm5
%else
%define mmA mm6
%define mmB mm7
%define xmmA xmm6
%define xmmB xmm7
%endif

%if RGB_RED == 1
%define mmC mm0
%define mmD mm1
%define xmmC xmm0
%define xmmD xmm1
%elif RGB_GREEN == 1
%define mmC mm2
%define mmD mm3
%define xmmC xmm2
%define xmmD xmm3
%else
%define mmC mm4
%define mmD mm5
%define xmmC xmm4
%define xmmD xmm5
%endif
%define mmD mm3
%define xmmC xmm2
%define xmmD xmm3
%elif RGB_BLUE == 1
%define mmC mm4
%define mmD mm5
%define xmmC xmm4
%define xmmD xmm5
%else
%define mmC mm6
%define mmD mm7
%define xmmC xmm6
%define xmmD xmm7
%endif

%if RGB_RED == 2
%define mmE mm0
%define mmF mm1
%define xmmE xmm0
%define xmmF xmm1
%elif RGB_GREEN == 2
%define mmE mm2
%define mmF mm3
%define xmmE xmm2
%define xmmF xmm3
%elif RGB_BLUE == 2
%define mmE mm4
%define mmF mm5
%define xmmE xmm4
%define xmmF xmm5
%else
%define mmE mm6
%define mmF mm7
%define xmmE xmm6
%define xmmF xmm7
%endif

%if RGB_RED == 3
%define mmG mm0
%define mmH mm1
%define xmmG xmm0
%define xmmH xmm1
%elif RGB_GREEN == 3
%define mmG mm2
%define mmH mm3
%define xmmG xmm2
%define xmmH xmm3
%elif RGB_BLUE == 3
%define mmG mm4
%define mmH mm5
%define xmmG xmm4
%define xmmH xmm5
%else
  %define mmG mm6
  %define mmH mm7
  %define xmmG xmm6
  %define xmmH xmm7
%endif

; -------------------------------------------------------------------------------------

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jcolsamp.inc

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

/*/ 
* wrgif.c 
* 
* Copyright (C) 1991-1997, Thomas G. Lane. 
* This file is part of the Independent JPEG Group's software. 
* For conditions of distribution and use, see the accompanying README file. 
* 
* This file contains routines to write output images in GIF format. 
* 
**************************************************************************
* NOTE: to avoid entanglements with Unisys' patent on LZW compression,   *
* this code has been modified to output "uncompressed GIF" files.        *
* There is no trace of the LZW algorithm in this file.                 *
**************************************************************************
* 
* These routines may need modification for non-Unix environments or 
* specialized applications. As they stand, they assume output to 
* an ordinary stdio stream. 
*/ 
/*/ 
* This code is loosely based on ppmtogif from the PBMPPLUS distribution 
* of Feb. 1991. That file contains the following copyright notice:   
* Based on GIFENCODF by David Rowley <mgardi@watdscu.waterloo.edu>. 
* Lempel-Ziv compression based on "compress" by Spencer W. Thomas et al. 
* Copyright (C) 1989 by Jef Poskanzer. 
* Permission to use, copy, modify, and distribute this software and its 
* documentation for any purpose and without fee is hereby granted, provided 
* that the above copyright notice appear in all copies and that both that 
* copyright notice and this permission notice appear in supporting
* documentation. This software is provided "as is" without express or
* implied warranty.
*
* We are also required to state that
* "The Graphics Interchange Format(c) is the Copyright property of
* CompuServe Incorporated. GIF(sm) is a Service Mark property of
* CompuServe Incorporated."
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/wrgif.c
No license file was found, but licenses were detected in source scan.

/*
 * jerror.c
 *
 * Copyright (C) 1991-1998, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains simple error-reporting and trace-message routines.
 * These are suitable for Unix-like systems and others where writing to
 * stderr is the right thing to do. Many applications will want to replace
 * some or all of these routines.
 *
 * If you define USE_WINDOWS_MESSAGEBOX in jconfig.h or in the makefile,
 * you get a Windows-specific hack to display error messages in a dialog box.
 * It ain't much, but it beats dropping error messages into the bit bucket,
 * which is what happens to output to stderr under most Windows C compilers.
 *
 * These routines are used by both the compression and decompression code.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jerror.c
No license file was found, but licenses were detected in source scan.

TurboJPEG Java Wrapper
========================

The TurboJPEG shared library can optionally be built with a Java Native
Interface wrapper, which allows the library to be loaded and used directly from
Java applications. The Java front end for this is defined in several classes
located under org/libjpegturbo/turbojpeg. The source code for these Java
classes is licensed under a BSD-style license, so the files can be incorporated
directly into both open source and proprietary projects without restriction. A
Java archive (JAR) file containing these classes is also shipped with the "official" distribution packages of libjpeg-turbo.

TJExample.java, which should also be located in the same directory as this README file, demonstrates how to use the TurboJPEG Java API to compress and decompress JPEG images in memory.

Performance Pitfalls
---------------------

The TurboJPEG Java API defines several convenience methods that can allocate image buffers or instantiate classes to hold the result of compress, decompress, or transform operations. However, if you use these methods, then be mindful of the amount of new data you are creating on the heap. It may be necessary to manually invoke the garbage collector to prevent heap exhaustion or to prevent performance degradation. Background garbage collection can kill performance, particularly in a multi-threaded environment (Java pauses all threads when the GC runs.)

The TurboJPEG Java API always gives you the option of pre-allocating your own source and destination buffers, which allows you to re-use those buffers for compressing/decompressing multiple images. If the image sequence you are compressing or decompressing consists of images of the same size, then pre-allocating the buffers is recommended.

Installation Directory
----------------------

If the TurboJPEG JNI library (libturbojpeg.so, libturbojpeg.jnilib, or turbojpeg.dll) is not installed under a system library directory or under a directory specified in LD_LIBRARY_PATH (Unix) or PATH (Windows), then you will need to pass an argument of -Djava.library.path={path_to_JNI_library} to java.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/java/README

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

/*
 * jdcoefct.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
* This file contains the coefficient buffer controller for decompression.
* This controller is the top level of the JPEG decompressor proper.
* The coefficient buffer lies between entropy decoding and inverse-DCT steps.

* In buffered-image mode, this controller is the interface between
* input-oriented processing and output-oriented processing.
* Also, the input side (only) is used when reading a file for transcoding.

/ *

Found in path(s):
/ /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jdcoefct.c
No license file was found, but licenses were detected in source scan.

/*
* jfdctfst.c
*
* Copyright (C) 1994-1996, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
* 
* This file contains a fast, not so accurate integer implementation of the
* forward DCT (Discrete Cosine Transform).
* 
* A 2-D DCT can be done by 1-D DCT on each row followed by 1-D DCT
* on each column. Direct algorithms are also available, but they are
* much more complex and seem not to be any faster when reduced to code.
* 
* This implementation is based on Arai, Agui, and Nakajima's algorithm for
* scaled DCT. Their original paper (Trans. IEICE E-71(11):1095) is in
* Japanese, but the algorithm is described in the Pennebaker & Mitchell
* JPEG textbook (see REFERENCES section in file README). The following code
* is based directly on figure 4-8 in P&M.
* While an 8-point DCT cannot be done in less than 11 multiplies, it is
* possible to arrange the computation so that many of the multiplies are
* simple scalings of the final outputs. These multiplies can then be
* folded into the multiplications or divisions by the JPEG quantization
* table entries. The AA&N method leaves only 5 multiplies and 29 adds
* to be done in the DCT itself.
* The primary disadvantage of this method is that with fixed-point math,
* accuracy is lost due to imprecise representation of the scaled
* quantization values. The smaller the quantization table entry, the less
* precise the scaled value, so this implementation does worse with high-
* quality-setting files than with low-quality ones.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jdmaster.c

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

/*
 * jdmaster.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modified 2002-2009 by Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2009-2011, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains master control logic for the JPEG decompressor.
 * These routines are concerned with selecting the modules to be executed
 * and with determining the number of passes and the work to be done in each
 * pass.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jdmaster.c

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

Package: {__PKGNAME}
Version: {__VERSION}-{__BUILD}
Section: misc
Priority: optional
Architecture: {__ARCH}
Essential: no
Maintainer: The libjpeg-turbo Project [http://www.libjpeg-turbo.org]
Description: A SIMD-accelerated JPEG codec that provides both the libjpeg and TurboJPEG APIs
libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.
libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated
derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and
VirtualGL projects made numerous enhancements to the codec in 2009, and in
eyear 2010, libjpeg-turbo spun off into an independent project, with the goal
of making high-speed JPEG compression/decompression technology available to a
broader range of users and developers.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
  archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/release/deb-
  control.tmpl
No license file was found, but licenses were detected in source scan.

/*
 * jdpostct.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the decompression postprocessing controller.
 * This controller manages the upsampling, color conversion, and color
 * quantization/reduction steps; specifically, it controls the buffering
 * between upsample/color conversion and color quantization/reduction.
 *
 * If no color quantization/reduction is required, then this module has no
 * work to do, and it just hands off to the upsample/color conversion code.
 * An integrated upsample/convert/quantize process would replace this module
 * entirely.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
  archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jdpostct.c
No license file was found, but licenses were detected in source scan.

/*
 * jcapistd.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains application interface code for the compression half
 * of the JPEG library. These are the "standard" API routines that are
 * used in the normal full-compression case. They are not used by a
 * transcoding-only application. Note that if an application links in
 * jpeg_start_compress, it will end up linking in the entire compressor.
* We thus must separate this file from jcapimin.c to avoid linking the
* whole compression library into a transcoder.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jcapistd.c
No license file was found, but licenses were detected in source scan.

/*
* jdatasrc.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modifications:
* Copyright (C) 2013, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains decompression data source routines for the case of
* reading JPEG data from memory or from a file (or any stdio stream).
* While these routines are sufficient for most applications,
* some will want to use a different source manager.
* IMPORTANT: we assume that fread() will correctly transcribe an array of
* JOCTETs from 8-bit-wide elements on external storage. If char is wider
* than 8 bits on your machine, you may need to do some tweaking.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jdatasrc.c
No license file was found, but licenses were detected in source scan.

/*
* jsimd_x86_64.c
*
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2009-2011 D. R. Commander
*
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
* * This file contains the interface between the "normal" portions
* of the library and the SIMD implementations when running on a
* x86_64 architecture.
*/
No license file was found, but licenses were detected in source scan.

; For conditions of distribution and use, see copyright notice in jsimdext.inc
; for more details.

/*
 * jcmaster.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1991-1997, Thomas G. Lane.
 * Modified 2003-2010 by Guido Vollbeding.
 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains master control logic for the JPEG compressor.
 * These routines are concerned with parameter validation, initial setup,
 * and inter-pass control (determining the number of passes and the work
 * to be done in each pass).
 */

No license file was found, but licenses were detected in source scan.
libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.
libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.

libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a broader range of users and developers.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/release/ReadMe.rtf
No license file was found, but licenses were detected in source scan.

/*
 * wrtarga.c
 *
 * Copyright (C) 1991-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains routines to write output images in Targa format.
 *
 * These routines may need modification for non-Unix environments or
 * specialized applications. As they stand, they assume output to
 * an ordinary stdio stream.
 *
 * Based on code contributed by Lee Daniel Crocker.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/wrtarga.c
No license file was found, but licenses were detected in source scan.

/*
 * jcmainct.c
 *
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the main buffer controller for compression.
 * The main buffer lies between the pre-processor and the JPEG
 * compressor proper; it holds downsampled data in the JPEG colorspace.
/*

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jcmainct.c
No license file was found, but licenses were detected in source scan.

*/
* jmemmgr.c
*
* Copyright (C) 1991-1997, Thomas G. Lane.
* This file is part of the Independent JPEG Group's software.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the JPEG system-independent memory management
* routines. This code is usable across a wide variety of machines; most
* of the system dependencies have been isolated in a separate file.
* The major functions provided here are:
* * pool-based allocation and freeing of memory;
* * policy decisions about how to divide available memory among the
*   virtual arrays;
* * control logic for swapping virtual arrays between main memory and
*   backing storage.
* The separate system-dependent file provides the actual backing-storage
* access code, and it contains the policy decision about how much total
* main memory to use.
* This file is system-dependent in the sense that some of its functions
* are unnecessary in some systems. For example, if there is enough virtual
* memory so that backing storage will never be used, much of the virtual
* array control logic could be removed. (Of course, if you have that much
* memory then you shouldn't care about a little bit of unused code...)
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jmemmgr.c
No license file was found, but licenses were detected in source scan.

/*

* jdmainct.c
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1994-1996, Thomas G. Lane.
* Modifications:
* Copyright (C) 2010, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains the main buffer controller for decompression.
* The main buffer lies between the JPEG decompressor proper and the
* post-processor; it holds downsampled data in the JPEG colorspace.
*
* Note that this code is bypassed in raw-data mode, since the application
* supplies the equivalent of the main buffer in that case.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jdmainct.c
No license file was found, but licenses were detected in source scan.

/*
 * jccoefct.c
 *
 * Copyright (C) 1994-1997, Thomas G. Lane.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains the coefficient buffer controller for compression.
 * This controller is the top level of the JPEG compressor proper.
 * The coefficient buffer lies between forward-DCT and entropy encoding steps.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jccoefct.c
No license file was found, but licenses were detected in source scan.

/*
 * transupp.h
 *
 * Copyright (C) 1997-2011, Thomas G. Lane, Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains declarations for image transformation routines and
 * other utility code used by the jpegtran sample application. These are
 * NOT part of the core JPEG library. But we keep these routines separate
 * from jpegtran.c to ease the task of maintaining jpegtran-like programs
 * that have other user interfaces.
 *
 * NOTE: all the routines declared here have very specific requirements
 * about when they are to be executed during the reading and writing of the
 * source and destination files. See the comments in transupp.c, or see
 * jpegtran.c for an example of correct usage.
 */
libjpeg-turbo is a JPEG image codec that uses SIMD instructions (MMX, SSE2, NEON) to accelerate baseline JPEG compression and decompression on x86, x86-64, and ARM systems. On such systems, libjpeg-turbo is generally 2-4x as fast as libjpeg, all else being equal. On other types of systems, libjpeg-turbo can still outperform libjpeg by a significant amount, by virtue of its highly-optimized Huffman coding routines. In many cases, the performance of libjpeg-turbo rivals that of proprietary high-speed JPEG codecs.

libjpeg-turbo implements both the traditional libjpeg API as well as the less powerful but more straightforward TurboJPEG API. libjpeg-turbo also features colorspace extensions that allow it to compress from/decompress to 32-bit and big-endian pixel buffers (RGBX, XBGR, etc.), as well as a full-featured Java interface.

libjpeg-turbo was originally based on libjpeg/SIMD, an MMX-accelerated derivative of libjpeg v6b developed by Miyasaka Masaru. The TigerVNC and VirtualGL projects made numerous enhancements to the codec in 2009, and in early 2010, libjpeg-turbo spun off into an independent project, with the goal of making high-speed JPEG compression/decompression technology available to a
broader range of users and developers.

*******************************************************************************
**     License
*******************************************************************************

Most of libjpeg-turbo inherits the non-restrictive, BSD-style license used by
libjpeg (see README.) The TurboJPEG wrapper (both C and Java versions) and
associated test programs bear a similar license, which is reproduced below:

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- Redistributions in binary form must reproduce the above copyright notice,
  this list of conditions and the following disclaimer in the documentation
  and/or other materials provided with the distribution.
- Neither the name of the libjpeg-turbo Project nor the names of its
  contributors may be used to endorse or promote products derived from this
  software without specific prior written permission.

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CONSEQUENTIAL DAMAGES (INCLUDING, BUT NOT LIMITED TO, PROCUREMENT OF
SUBSTITUTE GOODS OR SERVICES; LOSS OF USE, DATA, OR PROFITS; OR BUSINESS
INTERRUPTION) HOWEVER CAUSED AND ON ANY THEORY OF LIABILITY, WHETHER IN
CONTRACT, STRICT LIABILITY, OR TORT (INCLUDING NEGLIGENCE OR OTHERWISE)
ARISING IN ANY WAY OUT OF THE USE OF THIS SOFTWARE, EVEN IF ADVISED OF THE
POSSIBILITY OF SUCH DAMAGE.

*******************************************************************************
**     Using libjpeg-turbo
*******************************************************************************

libjpeg-turbo includes two APIs that can be used to compress and decompress
JPEG images:

TurboJPEG API: This API provides an easy-to-use interface for compressing
and decompressing JPEG images in memory. It also provides some functionality
that would not be straightforward to achieve using the underlying libjpeg
API, such as generating planar YUV images and performing multiple
simultaneous lossless transforms on an image. The Java interface for
libjpeg-turbo is written on top of the TurboJPEG API.

libjpeg API: This is the de facto industry-standard API for compressing and decompressing JPEG images. It is more difficult to use than the TurboJPEG API but also more powerful. The libjpeg API implementation in libjpeg-turbo is both API/ABI-compatible and mathematically compatible with libjpeg v6b. It can also optionally be configured to be API/ABI-compatible with libjpeg v7 and v8 (see below.)

There is no significant performance advantage to either API when both are used to perform similar operations.

=======================================
Installation Directory
=======================================

This document assumes that libjpeg-turbo will be installed in the default directory (/opt/libjpeg-turbo on Un*x and Mac systems and c:\libjpeg-turbo[-gcc][64] on Windows systems. If your installation of libjpeg-turbo resides in a different directory, then adjust the instructions accordingly.

=======================================
Replacing libjpeg at Run Time
=======================================

Un*x
----

If a Un*x application is dynamically linked with libjpeg, then you can replace libjpeg with libjpeg-turbo at run time by manipulating LD_LIBRARY_PATH. For instance:

[Using libjpeg]
> time cjpeg <vgl_5674_0098.ppm >vgl_5674_0098.jpg
real 0m0.392s
user 0m0.074s
sys 0m0.020s

[Using libjpeg-turbo]
> export LD_LIBRARY_PATH=/opt/libjpeg-turbo/[lib]:$LD_LIBRARY_PATH
> time cjpeg <vgl_5674_0098.ppm >vgl_5674_0098.jpg
real 0m0.109s
user 0m0.029s
sys 0m0.010s

({lib} = lib32 or lib64, depending on whether you wish to use the 32-bit or the 64-bit version of libjpeg-turbo.)
System administrators can also replace the libjpeg symlinks in /usr/lib* with links to the libjpeg-turbo dynamic library located in /opt/libjpeg-turbo/{lib}. This will effectively accelerate every application that uses the libjpeg dynamic library on the system.

Windows
-------

If a Windows application is dynamically linked with libjpeg, then you can replace libjpeg with libjpeg-turbo at run time by backing up the application's copy of jpeg62.dll, jpeg7.dll, or jpeg8.dll (assuming the application has its own local copy of this library) and copying the corresponding DLL from libjpeg-turbo into the application's install directory. The official libjpeg-turbo binary packages only provide jpeg62.dll. If the application uses jpeg7.dll or jpeg8.dll instead, then it will be necessary to build libjpeg-turbo from source (see "libjpeg v7 and v8 API/ABI Emulation" below.)

The following information is specific to the official libjpeg-turbo binary packages for Visual C++:

-- jpeg62.dll requires the Visual C++ 2008 C run-time DLL (msvcr90.dll). msvcr90.dll ships with more recent versions of Windows, but users of older Windows releases can obtain it from the Visual C++ 2008 Redistributable Package, which is available as a free download from Microsoft's web site.

-- Features of the libjpeg API that require passing a C run-time structure, such as a file handle, from an application to the library will probably not work with jpeg62.dll, unless the application is also built to use the Visual C++ 2008 C run-time DLL. In particular, this affects jpeg_stdio_dest() and jpeg_stdio_src().

Mac
---

Mac applications typically embed their own copies of the libjpeg dylib inside the (hidden) application bundle, so it is not possible to globally replace libjpeg on OS X systems. Replacing the application's version of the libjpeg dylib would generally involve copying libjpeg.*.dylib from libjpeg-turbo into the appropriate place in the application bundle and using install_name_tool to repoint the libjpeg-turbo dylib to its new directory. This requires an advanced knowledge of OS X and would not survive an upgrade or a re-install of the application. Thus, it is not recommended for most users.

==================================================================
Using libjpeg-turbo in Your Own Programs
==================================================================
For the most part, libjpeg-turbo should work identically to libjpeg, so in most cases, an application can be built against libjpeg and then run against libjpeg-turbo. On Un*x systems and Cygwin, you can build against libjpeg-turbo instead of libjpeg by setting

```
CPATH=/opt/libjpeg-turbo/include
and
LIBRARY_PATH=/opt/libjpeg-turbo/{lib}
```

({lib} = lib32 or lib64, depending on whether you are building a 32-bit or a 64-bit application.)

If using MinGW, then set

```
CPATH=/c/libjpeg-turbo-gcc\[64\]/include
and
LIBRARY_PATH=/c/libjpeg-turbo-gcc\[64\]/lib
```

Building against libjpeg-turbo is useful, for instance, if you want to build an application that leverages the libjpeg-turbo colorspace extensions (see below.) On Un*X systems, you would still need to manipulate LD_LIBRARY_PATH or create appropriate symlinks to use libjpeg-turbo at run time. On such systems, you can pass `-R /opt/libjpeg-turbo/{lib}` to the linker to force the use of libjpeg-turbo at run time rather than libjpeg (also useful if you want to leverage the colorspace extensions), or you can link against the libjpeg-turbo static library.

To force a Un*X or MinGW application to link against the static version of libjpeg-turbo, you can use the following linker options:

```
-Wl,-Bstatic -ljpeg -Wl,-Bdynamic
```

On OS X, simply add `/opt/libjpeg-turbo/lib/libjpeg.a` to the linker command line.

To build Visual C++ applications using libjpeg-turbo, add `c:\libjpeg-turbo\include` to the system or user INCLUDE environment variable and `c:\libjpeg-turbo\lib` to the system or user LIB environment variable, and then link against either jpeg.lib (to use the DLL version of libjpeg-turbo) or jpeg-static.lib (to use the static version of libjpeg-turbo.)

```
=====================  
Colorspace Extensions  
=====================  
```

libjpeg-turbo includes extensions that allow JPEG images to be compressed directly from (and decompressed directly to) buffers that use BGR, BGRX, RGBX, XBGR, and XRGB pixel ordering. This is implemented with ten new
colorscape constants:

    JCS_EXT_RGB /* red/green/blue */
    JCS_EXT_RGBX /* red/green/blue/x */
    JCS_EXT_BGR /* blue/green/red */
    JCS_EXT_BGRX /* blue/green/red/x */
    JCS_EXT_XBGR /* x/blue/green/red */
    JCS_EXT_XRGB /* x/red/green/blue */
    JCS_EXT_RGBA /* red/green/blue/alpha */
    JCS_EXT_BGRA /* blue/green/red/alpha */
    JCS_EXT_ABGR /* alpha/blue/green/red */
    JCS_EXT_ARGB /* alpha/red/green/blue */

Setting cinfo.in_color_space (compression) or cinfo.out_color_space
(decompression) to one of these values will cause libjpeg-turbo to read the
red, green, and blue values from (or write them to) the appropriate position in
the pixel when compressing from/decompressing to an RGB buffer.

Your application can check for the existence of these extensions at compile
time with:

    #ifdef JCS_EXTENSIONS

At run time, attempting to use these extensions with a libjpeg implementation
that does not support them will result in a "Bogus input colorspace" error.
Applications can trap this error in order to test whether run-time support is
available for the colorspace extensions.

When using the RGBX, BGRX, XBGR, and XRGB colorspaces during decompression, the
X byte is undefined, and in order to ensure the best performance, libjpeg-turbo
can set that byte to whatever value it wishes. If an application expects the X
byte to be used as an alpha channel, then it should specify JCS_EXT_RGBA,
JCS_EXT_BGRA, JCS_EXT_ABGR, or JCS_EXT_ARGB. When these colorspace constants
are used, the X byte is guaranteed to be 0xFF, which is interpreted as opaque.

Your application can check for the existence of the alpha channel colorspace
extensions at compile time with:

    #ifdef JCS_ALPHA_EXTENSIONS

jcstest.c, located in the libjpeg-turbo source tree, demonstrates how to check
for the existence of the colorspace extensions at compile time and run time.

=================================================================================
libjpeg v7 and v8 API/ABI Emulation
=================================================================================

With libjpeg v7 and v8, new features were added that necessitated extending the
compression and decompression structures. Unfortunately, due to the exposed nature of those structures, extending them also necessitated breaking backward ABI compatibility with previous libjpeg releases. Thus, programs that were built to use libjpeg v7 or v8 did not work with libjpeg-turbo, since it is based on the libjpeg v6b code base. Although libjpeg v7 and v8 are still not as widely used as v6b, enough programs (including a few Linux distros) made the switch that there was a demand to emulate the libjpeg v7 and v8 ABIs in libjpeg-turbo. It should be noted, however, that this feature was added primarily so that applications that had already been compiled to use libjpeg v7+ could take advantage of accelerated baseline JPEG encoding/decoding without recompiling. libjpeg-turbo does not claim to support all of the libjpeg v7+ features, nor to produce identical output to libjpeg v7+ in all cases (see below.)

By passing an argument of --with-jpeg7 or --with-jpeg8 to configure, or an argument of -DWITH_JPEG7=1 or -DWITH_JPEG8=1 to cmake, you can build a version of libjpeg-turbo that emulates the libjpeg v7 or v8 ABI, so that programs that are built against libjpeg v7 or v8 can be run with libjpeg-turbo. The following section describes which libjpeg v7+ features are supported and which aren't.

Support for libjpeg v7 and v8 Features:
---------------------------------------

Fully supported:

-- libjpeg: IDCT scaling extensions in decompressor
   libjpeg-turbo supports IDCT scaling with scaling factors of 1/8, 1/4, 3/8, 1/2, 5/8, 3/4, 7/8, 9/8, 5/4, 11/8, 3/2, 13/8, 7/4, 15/8, and 2/1 (only 1/4 and 1/2 are SIMD-accelerated.)

-- libjpeg: arithmetic coding

-- libjpeg: In-memory source and destination managers
   See notes below.

-- cjpeg: Separate quality settings for luminance and chrominance
   Note that the libjpeg v7+ API was extended to accommodate this feature only for convenience purposes. It has always been possible to implement this feature with libjpeg v6b (see rdswitch.c for an example.)

-- cjpeg: 32-bit BMP support

-- cjpeg: -rgb option

-- jpegtran: lossless cropping

-- jpegtran: -perfect option
-- jpegtran: forcing width/height when performing lossless crop

-- rdjpgcom: -raw option

-- rdjpgcom: locale awareness

Not supported:

NOTE: As of this writing, extensive research has been conducted into the usefulness of DCT scaling as a means of data reduction and SmartScale as a means of quality improvement. The reader is invited to peruse the research at http://www.libjpeg-turbo.org/About/SmartScale and draw his/her own conclusions, but it is the general belief of our project that these features have not demonstrated sufficient usefulness to justify inclusion in libjpeg-turbo.

-- libjpeg: DCT scaling in compressor
cinfo.scale_num and cinfo.scale_denom are silently ignored.
There is no technical reason why DCT scaling could not be supported when emulating the libjpeg 7+ API/ABI, but without the SmartScale extension (see below), only scaling factors of 1/2, 8/15, 4/7, 8/13, 2/3, 8/11, 4/5, and 8/9 would be available, which is of limited usefulness.

-- libjpeg: SmartScale
cinfo.block_size is silently ignored.
SmartScale is an extension to the JPEG format that allows for DCT block sizes other than 8x8. Providing support for this new format would be feasible (particularly without full acceleration.) However, until/unless the format becomes either an official industry standard or, at minimum, an accepted solution in the community, we are hesitant to implement it, as there is no sense of whether or how it might change in the future. It is our belief that SmartScale has not demonstrated sufficient usefulness as a lossless format nor as a means of quality enhancement, and thus, our primary interest in providing this feature would be as a means of supporting additional DCT scaling factors.

-- libjpeg: Fancy downsampling in compressor
cinfo.do_fancy_downsampling is silently ignored.
This requires the DCT scaling feature, which is not supported.

-- jpegtran: Scaling
This requires both the DCT scaling and SmartScale features, which are not supported.

-- Lossless RGB JPEG files
This requires the SmartScale feature, which is not supported.
What About libjpeg v9?

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libjpeg v9 introduced yet another field to the JPEG compression structure (color_transform), thus making the ABI backward incompatible with that of libjpeg v8. This new field was introduced solely for the purpose of supporting lossless SmartScale encoding. Further, there was actually no reason to extend the API in this manner, as the color transform could have just as easily been activated by way of a new JPEG colorspace constant, thus preserving backward ABI compatibility.

Our research (see link above) has shown that lossless SmartScale does not generally accomplish anything that can't already be accomplished better with existing, standard lossless formats. Thus, at this time, it is our belief that there is not sufficient technical justification for software to upgrade from libjpeg v8 to libjpeg v9, and therefore, not sufficient technical justification for us to emulate the libjpeg v9 ABI.

=====================================  
In-Memory Source/Destination Managers  
=====================================  

By default, libjpeg-turbo 1.3 and later includes the jpeg_mem_src() and jpeg_mem_dest() functions, even when not emulating the libjpeg v8 API/ABI. Previously, it was necessary to build libjpeg-turbo from source with libjpeg v8 API/ABI emulation in order to use the in-memory source/destination managers, but several projects requested that those functions be included when emulating the libjpeg v6b API/ABI as well. This allows the use of those functions by programs that need them without breaking ABI compatibility for programs that don't, and it allows those functions to be provided in the "official" libjpeg-turbo binaries.

Those who are concerned about maintaining strict conformance with the libjpeg v6b or v7 API can pass an argument of --without-mem-srcdst to configure or an argument of -DWITH_MEM_SRCDST=0 to CMake prior to building libjpeg-turbo. This will restore the pre-1.3 behavior, in which jpeg_mem_src() and jpeg_mem_dest() are only included when emulating the libjpeg v8 API/ABI.

On Un*x systems, including the in-memory source/destination managers changes the dynamic library version from 62.0.0 to 62.1.0 if using libjpeg v6b API/ABI emulation and from 7.0.0 to 7.1.0 if using libjpeg v7 API/ABI emulation.

Note that, on most Un*x systems, the dynamic linker will not look for a function in a library until that function is actually used. Thus, if a program is built against libjpeg-turbo 1.3+ and uses jpeg_mem_src() or jpeg_mem_dest(), that program will not fail if run against an older version of libjpeg-turbo or against libjpeg v7- until the program actually tries to call jpeg_mem_src() or jpeg_mem_dest(). Such is not the case on Windows. If a program is built
against the libjpeg-turbo 1.3+ DLL and uses jpeg_mem_src() or jpeg_mem_dest(), then it must use the libjpeg-turbo 1.3+ DLL at run time.

Both cjjpeg and djpeg have been extended to allow testing the in-memory source/destination manager functions. See their respective man pages for more details.

*******************************************************************************
**     Mathematical Compatibility
*******************************************************************************

For the most part, libjpeg-turbo should produce identical output to libjpeg v6b. The one exception to this is when using the floating point DCT/IDCT, in which case the outputs of libjpeg v6b and libjpeg-turbo are not guaranteed to be identical (the accuracy of the floating point DCT/IDCT is constant when using libjpeg-turbo's SIMD extensions, but otherwise, it can depend heavily on the compiler and compiler settings.)

While libjpeg-turbo does emulate the libjpeg v8 API/ABI, under the hood, it is still using the same algorithms as libjpeg v6b, so there are several specific cases in which libjpeg-turbo cannot be expected to produce the same output as libjpeg v8:

-- When decompressing using scaling factors of 1/2 and 1/4, because libjpeg v8 implements those scaling algorithms a bit differently than libjpeg v6b does, and libjpeg-turbo's SIMD extensions are based on the libjpeg v6b behavior.

-- When using chrominance subsampling, because libjpeg v8 implements this with its DCT/IDCT scaling algorithms rather than with a separate downsampling/upsampling algorithm.

-- When using the floating point IDCT, for the reasons stated above and also because the floating point IDCT algorithm was modified in libjpeg v8a to improve accuracy.

-- When decompressing using a scaling factor > 1 and merged (AKA "non-fancy" or "non-smooth") chrominance upsampling, because libjpeg v8 does not support merged upsampling with scaling factors > 1.

*******************************************************************************
**     Performance Pitfalls
*******************************************************************************

=================================
Restart Markers
=================================
The optimized Huffman decoder in libjpeg-turbo does not handle restart markers in a way that makes the rest of the libjpeg infrastructure happy, so it is necessary to use the slow Huffman decoder when decompressing a JPEG image that has restart markers. This can cause the decompression performance to drop by as much as 20%, but the performance will still be much greater than that of libjpeg. Many consumer packages, such as PhotoShop, use restart markers when generating JPEG images, so images generated by those programs will experience this issue.

Fast Integer Forward DCT at High Quality Levels

The algorithm used by the SIMD-accelerated quantization function cannot produce correct results whenever the fast integer forward DCT is used along with a JPEG quality of 98-100. Thus, libjpeg-turbo must use the non-SIMD quantization function in those cases. This causes performance to drop by as much as 40%. It is therefore strongly advised that you use the slow integer forward DCT whenever encoding images with a JPEG quality of 98 or higher.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/README-turbo.txt

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

/*
 * jcapimin.c
 *
 * Copyright (C) 1994-1998, Thomas G. Lane.
 * Modified 2003-2010 by Guido Vollbeding.
 * This file is part of the Independent JPEG Group's software.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains application interface code for the compression half
 * of the JPEG library. These are the "minimum" API routines that may be
 * needed in either the normal full-compression case or the transcoding-only
 * case.
 *
 * Most of the routines intended to be called directly by an application
 * are in this file or in jcapistd.c. But also see jparam.c for
 * parameter-setup helper routines, jcomapi.c for routines shared by
 * compression and decompression, and jctrans.c for the transcoding case.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-
archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIw4/libjpeg-turbo-1.2.90/jcapimin.c
No license file was found, but licenses were detected in source scan.

/ *
* jsimd_arm.c
*
* Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
* Copyright 2009-2011 D. R. Commander
*
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
* For conditions of distribution and use, see copyright notice in jsimdext.inc
*
* This file contains the interface between the "normal" portions
* of the library and the SIMD implementations when running on
* ARM architecture.
*
* Based on the stubs from 'jsimd_none.c'
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIw4/libjpeg-turbo-1.2.90/simd/jsimd_arm.c
No license file was found, but licenses were detected in source scan.

License: IJG

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIw4/libjpeg-turbo-1.2.90/simd/jsimd_arm.c
No license file was found, but licenses were detected in source scan.

/ *
* jdhuff.h
*
* This file was part of the Independent JPEG Group's software:
* Copyright (C) 1991-1997, Thomas G. Lane.
* Modifications:
* Copyright (C) 2010-2011, D. R. Commander.
* For conditions of distribution and use, see the accompanying README file.
*
* This file contains declarations for Huffman entropy decoding routines
* that are shared between the sequential decoder (jdhuff.c) and the
* progressive decoder (jdphuff.c). No other modules need to see these.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jdapistd.c

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

/*
 * jdapistd.c
 *
 * This file was part of the Independent JPEG Group's software:
 * Copyright (C) 1994-1996, Thomas G. Lane.
 * Modifications:
 * Copyright (C) 2010, D. R. Commander.
 * For conditions of distribution and use, see the accompanying README file.
 *
 * This file contains application interface code for the decompression half
 * of the JPEG library. These are the "standard" API routines that are
 * used in the normal full-decompression case. They are not used by a
 * transcoding-only application. Note that if an application links in
 * jpeg_start_decompress, it will end up linking in the entire decompressor.
 * We thus must separate this file from jdapimin.c to avoid linking the
 * whole decompression library into a transcoder.
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/jdapistd.c

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

; For conditions of distribution and use, see copyright notice in jsimdext.inc
; more details.

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jfss2int-64.asm
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jiss2int-64.asm
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jimmxint.asm
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jfss2int.asm
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jfmmxint.asm
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRY1W4/libjpeg-turbo-1.2.90/simd/jfmmxint.asm
No license file was found, but licenses were detected in source scan.

1.2.90 (1.3 beta1)
==================

[1] Added support for additional scaling factors (3/8, 5/8, 3/4, 7/8, 9/8, 5/4, 11/8, 3/2, 13/8, 7/4, 15/8, and 2) when decompressing. Note that the IDCT will not be SIMD-accelerated when using any of these new scaling factors.

[2] The TurboJPEG dynamic library is now versioned. It was not strictly necessary to do so, because TurboJPEG uses versioned symbols, and if a function changes in an ABI-incompatible way, that function is renamed and a legacy function is provided to maintain backward compatibility. However, certain Linux distro maintainers will blindly reject any library that is not versioned, so this was an attempt to make them happy.

[3] Extended the TurboJPEG Java API so that it can be used to compress a JPEG image from and decompress a JPEG image to an arbitrary position in a large image buffer.

[4] The tjDecompressToYUV() function now supports the TJFLAG_FASTDCT flag.

[5] The 32-bit supplementary package for amd64 Debian systems now provides symlinks in /usr/lib/i386-linux-gnu for the TurboJPEG libraries in /usr/lib32. This allows those libraries to be used on MultiArch-compatible systems (such as Ubuntu 11 and later) without setting the linker path.

[6] The TurboJPEG Java wrapper should now find the JNI library on Mac systems without having to pass -Djava.library.path=/usr/lib to java.

[7] TJBench has been ported to Java to provide a convenient way of validating the performance of the TurboJPEG Java API. It can be run with 'java -cp turbojpeg.jar TJBench'.

[8] cjpeg can now be used to generate JPEG files with the RGB colorspace (feature ported from jpeg-8d.)

[9] The width and height in the -crop argument passed to jpegtran can now be suffixed with "f" to indicate that, when the upper left corner of the cropping region is automatically moved to the nearest iMCU boundary, the bottom right corner should be moved by the same amount. In other words, this feature causes jpegtran to strictly honor the specified width/height rather than the specified bottom right corner (feature ported from jpeg-8d.)

[10] JPEG files using the RGB colorspace can now be decompressed into grayscale images (feature ported from jpeg-8d.)
[11] Fixed a regression caused by 1.2.1[7] whereby the build would fail with multiple "Mismatch in operand sizes" errors when attempting to build the x86 SIMD code with NASM 0.98.

[12] The in-memory source/destination managers (jpeg_mem_src() and jpeg_mem_dest()) are now included by default when building libjpeg-turbo with libjpeg v6b or v7 emulation, so that programs can take advantage of these functions without requiring the use of the backward-incompatible libjpeg v8 ABI. The "age number" of the libjpeg-turbo library on Un*x systems has been incremented by 1 to reflect this. You can disable this feature with a configure/CMake switch in order to retain strict API/ABI compatibility with the libjpeg v6b or v7 API/ABI (or with previous versions of libjpeg-turbo.) See README-turbo.txt for more details.

[13] Added ARM v7s architecture to libjpeg.a and libturbojpeg.a in the official libjpeg-turbo binary package for OS X, so that those libraries can be used to build applications that leverage the faster CPUs in the iPhone 5 and iPad 4.

1.2.1
=====

[1] Creating or decoding a JPEG file that uses the RGB colorspace should now properly work when the input or output colorspace is one of the libjpeg-turbo colorspace extensions.

[2] When libjpeg-turbo was built without SIMD support and merged (non-fancy) upsampling was used along with an alpha-enabled colorspace during decompression, the unused byte of the decompressed pixels was not being set to 0xFF. This has been fixed. TJUnitTest has also been extended to test for the correct behavior of the colorspace extensions when merged upsampling is used.

[3] Fixed a bug whereby the libjpeg-turbo SSE2 SIMD code would not preserve the upper 64 bits of xmm6 and xmm7 on Win64 platforms, which violated the Win64 calling conventions.

[4] Fixed a regression caused by 1.2.0[6] whereby decompressing corrupt JPEG images (specifically, images in which the component count was erroneously set to a large value) would cause libjpeg-turbo to segfault.

[5] Worked around a severe performance issue with "Bobcat" (AMD Embedded APU) processors. The MASKMOVDQU instruction, which was used by the libjpeg-turbo SSE2 SIMD code, is apparently implemented in microcode on AMD processors, and it is painfully slow on Bobcat processors in particular. Eliminating the use of this instruction improved performance by an order of magnitude on Bobcat processors and by a small amount (typically 5%) on AMD desktop processors.

platforms. This speeds up the decompression of 4:2:2 JPEGs by 20-25% on such platforms.

[7] Fixed a regression caused by 1.2.0[2] whereby, on Linux/x86 platforms running the 32-bit SSE2 SIMD code in libjpeg-turbo, decompressing a 4:2:0 or 4:2:2 JPEG image into a 32-bit (RGBX, BGRX, etc.) buffer without using fancy upsampling would produce several incorrect columns of pixels at the right-hand side of the output image if each row in the output image was not evenly divisible by 16 bytes.

[8] Fixed an issue whereby attempting to build the SIMD extensions with Xcode 4.3 on OS X platforms would cause NASM to return numerous errors of the form “"%define' expects a macro identifier”.

[9] Added flags to the TurboJPEG API that allow the caller to force the use of either the fast or the accurate DCT/IDCT algorithms in the underlying codec.

1.2.0
=====

[1] Fixed build issue with YASM on Unix systems (the libjpeg-turbo build system was not adding the current directory to the assembler include path, so YASM was not able to find jsimdcfg.inc.)

[2] Fixed out-of-bounds read in SSE2 SIMD code that occurred when decompressing a JPEG image to a bitmap buffer whose size was not a multiple of 16 bytes. This was more of an annoyance than an actual bug, since it did not cause any actual run-time problems, but the issue showed up when running libjpeg-turbo in valgrind. See http://crbug.com/72399 for more information.

[3] Added a compile-time macro (LIBJPEG_TURBO_VERSION) that can be used to check the version of libjpeg-turbo against which an application was compiled.

[4] Added new RGBA/BGRA/ABGR/ARGB colorspace extension constants (libjpeg API) and pixel formats (TurboJPEG API), which allow applications to specify that, when decompressing to a 4-component RGB buffer, the unused byte should be set to 0xFF so that it can be interpreted as an opaque alpha channel.

[5] Fixed regression issue whereby DevIL failed to build against libjpeg-turbo because libjpeg-turbo's distributed version of jconfig.h contained an INLINE macro, which conflicted with a similar macro in DevIL. This macro is used only internally when building libjpeg-turbo, so it was moved into config.h.

[6] libjpeg-turbo will now correctly decompress erroneous CMYK/YCCK JPEGs whose K component is assigned a component ID of 1 instead of 4. Although these files are in violation of the spec, other JPEG implementations handle them correctly.
[7] Added ARM v6 and ARM v7 architectures to libjpeg.a and libturbojpeg.a in the official libjpeg-turbo binary package for OS X, so that those libraries can be used to build both OS X and iOS applications.

1.1.90 (1.2 beta1)
================================

[1] Added a Java wrapper for the TurboJPEG API. See java/README for more details.

[2] The TurboJPEG API can now be used to scale down images during decompression.

[3] Added SIMD routines for RGB-to-grayscale color conversion, which significantly improves the performance of grayscale JPEG compression from an RGB source image.

[4] Improved the performance of the C color conversion routines, which are used on platforms for which SIMD acceleration is not available.

[5] Added a function to the TurboJPEG API that performs lossless transforms. This function is implemented using the same back end as jpegtran, but it performs transcoding entirely in memory and allows multiple transforms and/or crop operations to be batched together, so the source coefficients only need to be read once. This is useful when generating image tiles from a single source JPEG.

[6] Added tests for the new TurboJPEG scaled decompression and lossless transform features to tjbench (the TurboJPEG benchmark, formerly called "jpgtest").

[7] Added support for 4:4:0 (transposed 4:2:2) subsampling in TurboJPEG, which was necessary in order for it to read 4:2:2 JPEG files that had been losslessly transposed or rotated 90 degrees.

[8] All legacy VirtualGL code has been re-factored, and this has allowed libjpeg-turbo, in its entirety, to be re-licensed under a BSD-style license.

[9] libjpeg-turbo can now be built with YASM.

[10] Added SIMD acceleration for ARM Linux and iOS platforms that support NEON instructions.

[11] Refactored the TurboJPEG C API and documented it using Doxygen. The TurboJPEG 1.2 API uses pixel formats to define the size and component order of the uncompressed source/destination images, and it includes a more efficient
version of TJBUFSIZE() that computes a worst-case JPEG size based on the level of chrominance subsampling. The refactored implementation of the TurboJPEG API now uses the libjpeg memory source and destination managers, which allows the TurboJPEG compressor to grow the JPEG buffer as necessary.

[12] Eliminated errors in the output of jpegtran on Windows that occurred when the application was invoked using I/O redirection (jpegtran <input.jpg >output.jpg).

[13] The inclusion of libjpeg v7 and v8 emulation as well as arithmetic coding support in libjpeg-turbo v1.1.0 introduced several new error constants in jerror.h, and these were mistakenly enabled for all emulation modes, causing the error enum in libjpeg-turbo to sometimes have different values than the same enum in libjpeg. This represents an ABI incompatibility, and it caused problems with rare applications that took specific action based on a particular error value. The fix was to include the new error constants conditionally based on whether libjpeg v7 or v8 emulation was enabled.

[14] Fixed an issue whereby Windows applications that used libjpeg-turbo would fail to compile if the Windows system headers were included before jpeglib.h. This issue was caused by a conflict in the definition of the INT32 type.

[15] Fixed 32-bit supplementary package for amd64 Debian systems, which was broken by enhancements to the packaging system in 1.1.

[16] When decompressing a JPEG image using an output colorspace of JCS_EXT_RGBX, JCS_EXT_BGRX, JCS_EXT_XBGR, or JCS_EXT_XRGB, libjpeg-turbo will now set the unused byte to 0xFF, which allows applications to interpret that byte as an alpha channel (0xFF = opaque).

1.1.1
=====

[1] Fixed a 1-pixel error in row 0, column 21 of the luminance plane generated by tjEncodeYUV().

[2] libjpeg-turbo's accelerated Huffman decoder previously ignored unexpected markers found in the middle of the JPEG data stream during decompression. It will now hand off decoding of a particular block to the unaccelerated Huffman decoder if an unexpected marker is found, so that the unaccelerated Huffman decoder can generate an appropriate warning.

[3] Older versions of MinGW64 prefixed symbol names with underscores by default, which differed from the behavior of 64-bit Visual C++. MinGW64 1.0 has adopted the behavior of 64-bit Visual C++ as the default, so to accommodate this, the libjpeg-turbo SIMD function names are no longer prefixed with an underscore when building with MinGW64. This means that, when building
libjpeg-turbo with older versions of MinGW64, you will now have to add
-fno-leading-underscore to the CFLAGS.

[4] Fixed a regression bug in the NSIS script that caused the Windows installer
build to fail when using the Visual Studio IDE.

[5] Fixed a bug in jpeg_read_coefficients() whereby it would not initialize
cinfo->image_width and cinfo->image_height if libjpeg v7 or v8 emulation was
enabled. This specifically caused the jpegoptim program to fail if it was
linked against a version of libjpeg-turbo that was built with libjpeg v7 or v8
emulation.

[6] Eliminated excessive I/O overhead that occurred when reading BMP files in
cjpeg.

[7] Eliminated errors in the output of cjpeg on Windows that occurred when the
application was invoked using I/O redirection (cjpeg <inputfile >output.jpg).

1.1.0
=====

[1] The algorithm used by the SIMD quantization function cannot produce correct
results when the JPEG quality is >= 98 and the fast integer forward DCT is
used. Thus, the non-SIMD quantization function is now used for those cases,
and libjpeg-turbo should now produce identical output to libjpeg v6b in all
cases.

[2] Despite the above, the fast integer forward DCT still degrades somewhat for
JPEG qualities greater than 95, so the TurboJPEG wrapper will now automatically
use the slow integer forward DCT when generating JPEG images of quality 96 or
greater. This reduces compression performance by as much as 15% for these
high-quality images but is necessary to ensure that the images are perceptually
lossless. It also ensures that the library can avoid the performance pitfall
created by [1].

[3] Ported jpgtest.cxx to pure C to avoid the need for a C++ compiler.

[4] Fixed visual artifacts in grayscale JPEG compression caused by a typo in
the RGB-to-luminance lookup tables.

[5] The Windows distribution packages now include the libjpeg run-time programs
(cjpeg, etc.)

[6] All packages now include jpgtest.

[8] Added two new TurboJPEG API functions, tjEncodeYUV() and tjDecompressToYUV(), to replace the somewhat hackish TJ_YUV flag.

1.0.90 (1.1 beta1)

[1] Added emulation of the libjpeg v7 and v8 APIs and ABIs. See README-turbo.txt for more details. This feature was sponsored by CamTrace SAS.
[3] Grayscale bitmaps can now be compressed from/decompressed to using the TurboJPEG API.
[4] jpgtest can now be used to test decompression performance with existing JPEG images.
[5] If the default install prefix (/opt/libjpeg-turbo) is used, then 'make install' now creates /opt/libjpeg-turbo/lib32 and /opt/libjpeg-turbo/lib64 sym links to duplicate the behavior of the binary packages.
[6] All symbols in the libjpeg-turbo dynamic library are now versioned, even when the library is built with libjpeg v6b emulation.
[7] Added arithmetic encoding and decoding support (can be disabled with configure or CMake options)
[8] Added a TJ_YUV flag to the TurboJPEG API, which causes both the compressor and decompressor to output planar YUV images.
[9] Added an extended version of tjDecompressHeader() to the TurboJPEG API, which allows the caller to determine the type of subsampling used in a JPEG image.
[10] Added further protections against invalid Huffman codes.

1.0.1

[1] The Huffman decoder will now handle erroneous Huffman codes (for instance, from a corrupt JPEG image.) Previously, these would cause libjpeg-turbo to crash under certain circumstances.
[2] Fixed typo in SIMD dispatch routines that was causing 4:2:2 upsampling to be used instead of 4:2:0 when decompressing JPEG images using SSE2 code.
[3] configure script will now automatically determine whether the
INCOMPLETE_TYPES_BROKEN macro should be defined.

1.0.0
=====

[1] 2983700: Further FreeBSD build tweaks (no longer necessary to specify
--host when configuring on a 64-bit system)

[2] Created symlinks in the Unix/Linux packages so that the TurboJPEG
include file can always be found in /opt/libjpeg-turbo/include, the 32-bit
static libraries can always be found in /opt/libjpeg-turbo/lib32, and the
64-bit static libraries can always be found in /opt/libjpeg-turbo/lib64.

[3] The Unix/Linux distribution packages now include the libjpeg run-time
programs (cjpeg, etc.) and man pages.

[4] Created a 32-bit supplementary package for amd64 Debian systems, which
contains just the 32-bit libjpeg-turbo libraries.


[6] Include distribution package for Cygwin

[7] No longer necessary to specify --without-simd on non-x86 architectures, and
unit tests now work on those architectures.

0.0.93
=====

[1] 2982659, Fixed x86-64 build on FreeBSD systems

[2] 2988188: Added support for Windows 64-bit systems

0.0.91
=====

[1] Added documentation to .deb packages

[2] 2968313: Fixed data corruption issues when decompressing large JPEG images
and/or using buffered I/O with the libjpeg-turbo decompressor

0.0.90
Initial release

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HulRY1W4/libjpeg-turbo-1.2.90/ChangeLog.txt

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 *
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 *
 * This file contains routines to read input images in GIF format.
 *
***************************************************************************

* NOTE: to avoid entanglements with Unisys' patent on LZW compression, *
* the ability to read GIF files has been removed from the IJG distribution. *
* Sorry about that.                                                   *
***************************************************************************

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 *
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 * The routines in jdapimin.c will also be needed by a transcoder.
 */

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* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxbGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYIW4/libjpeg-turbo-1.2.90/jdtrans.c

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* 
* This file contains routines to read input images in Targa format.
* 
* These routines may need modification for non-Unix environments or
* specialized applications. As they stand, they assume input from
* an ordinary stdin stream. They further assume that reading begins
* at the start of the file; start_input may need work if the
* user interface has already read some data (e.g., to determine that
* the file is indeed Targa format).
* 
* Based on code contributed by Lee Daniel Crocker.
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/rdtarga.c
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/*
 * jaricom.c
 *
 * Developed 1997-2009 by Guido Vollbeding.
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 *
 * This file contains probability estimation tables for common use in
 * arithmetic entropy encoding and decoding routines.
 *
 * This data represents Table D.2 in the JPEG spec (ISO/IEC IS 10918-1
 * and CCITT Recommendation ITU-T T.81) and Table 24 in the JBIG spec
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1035325673_1589189275.36/0/libjpeg-turbo-1.2.90-6.el7-1.src.rpm-cosi-expand-archive-RLxBGrju/libjpeg-turbo-1.2.90.tar.gz-cosi-expand-archive-HuIRYlW4/libjpeg-turbo-1.2.90/jaricom.c
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/*
 * jsimd_none.c
 *
 * Copyright 2009 Pierre Ossman <ossman@cendio.se> for Cendio AB
 * Copyright 2009-2011 D. R. Commander
 */
* Based on the x86 SIMD extension for IJG JPEG library,
* Copyright (C) 1999-2006, MIYASAKA Masaru.
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*
* This file contains stubs for when there is no SIMD support available.
*/

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 * jQuery JavaScript Library v1.3.2
 * http://jquery.com/
 *
 * Copyright (c) 2009 John Resig
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 *
 * Date: 2009-02-19 17:34:21 -0500 (Thu, 19 Feb 2009)
 * Revision: 6246
 */

/*
 * Sizzle CSS Selector Engine - v0.9.3
 * Copyright 2009, The Dojo Foundation
 * Released under the MIT, BSD, and GPL Licenses.
 * More information: http://sizzlejs.com/
 */

/*
 * jQuery UI 1.7.2
 *
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 *
 * http://docs.jquery.com/UI
 */

/*
 * jQuery.ScrollTo - Easy element scrolling using jQuery.
 * Copyright (c) 2008 Ariel Flesler - aflesler(at)gmail(dot)com
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 * Date: 2/8/2008
 * @author Ariel Flesler
 * @version 1.3.2
 */
1.618 request 2.74.0

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1.619 grep 3.1-r2
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* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1-jar/org/springframework/web/servlet/config/annotation/InterceptorRegistry.java
* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/RequestMappingInfoHandlerMethodMappingNamingStrategy.java
* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1-jar/org/springframework/web/servlet/mvc/method/AnnotationDrivenBeanDefinitionParser.java
* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1-jar/org/springframework/web/servlet/config/MvcNamespaceUtils.java
* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1-jar/org/springframework/web/servlet/handler/AbstractUrlHandlerMapping.java

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*/
/**
 * XSLT-driven View that allows for response context to be rendered as the
 * result of an XSLT transformation.
 *
 * <p>The XSLT Source object is supplied as a parameter in the model and then
 * <link locateSource detected> during response rendering. Users can either specify
 * a specific entry in the model via the <link setSourceKey sourceKey> property or
 * have Spring locate the Source object. This class also provides basic conversion
 * of objects into Source implementations. See <linkgetSourceTypes> for more details.
 *
 * <p>All model parameters are passed to the XSLT Transformer as parameters.
 * In addition the user can configure <link setOutputProperties output properties>
 * to be passed to the Transformer.
 *
 * @author Rob Harrop
 * @author Juergen Hoeller
 * @since 2.0
 */

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* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1-
  jar/org/springframework/web/servlet/view/xslt/XsltView.java
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  jar/org/springframework/web/servlet/mvc/method/annotation/JsonViewResponseBodyAdvice.java
* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1-
  jar/org/springframework/web/servlet/resource/ResourceTransformer.java
* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1-
  jar/org/springframework/web/servlet/handler/HandlerInterceptorAdapter.java
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 */

/**
 * A contract for inspecting and potentially modifying request data values such
 * as URL query parameters or form field values before they are rendered by a
 * view or before a redirect.
 *
 * <p>Implementations may use this contract for example as part of a solution
 * to provide data integrity, confidentiality, protection against cross-site
 * request forgery (CSRF), and others or for other tasks such as automatically
 * adding a hidden field to all forms and URLs.
 *
 * <p>View technologies that support this contract can obtain an instance to
 * delegate to via {@link RequestContext#getRequestDataValueProcessor()}.
 *
 * @author Rossen Stoyanchev
 * @since 3.1
 */

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  jar/org/springframework/web/servlet/theme/AbstractThemeResolver.java
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* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1-
  jar/org/springframework/web/servlet/handler/DispatcherServletWebRequest.java
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jar/org/springframework/web/servlet/view/document/AbstractExcelView.java
* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1-
jar/org/springframework/web/servlet/view/document/AbstractXlsxView.java
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jar/org/springframework/web/servlet/mvc/method/annotation/AsyncTaskMethodReturnValueHandler.java
* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1-
jar/org/springframework/web/servlet/mvc/method/annotation/RequestBodyAdviceAdapter.java
* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1-
jar/org/springframework/web/servlet/tags/HtmlEscapingAwareTag.java
* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1-
jar/org/springframework/web/servlet/view/script/ScriptTemplateConfigurer.java
* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1-
jar/org/springframework/web/servlet/view/groovy/GroovyMarkupViewResolver.java
* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1-
jar/org/springframework/web/servlet/mvc/annotation/AnnotationMethodHandlerExceptionResolver.java
* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1-
jar/org/springframework/web/servlet/mvc/ServletForwardingController.java
* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1-
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* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1.jar/org/springframework/web/servlet/handler/HandlerMethodMappingNamingStrategy.java
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* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1.jar/org/springframework/web/servlet/view/jasperreports/JasperReportsXlsView.java
* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1.jar/org/springframework/web/servlet/view/jasperreports/JasperReportsCsvView.java
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jar/org/springframework/web/servlet/view/InternalResourceView.java
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* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1.jar/org/springframework/web/servlet/config/ResourcesBeanDefinitionParser.java
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* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1.jar/org/springframework/web/servlet/mvc/method/annotation/HttpEntityMethodProcessor.java
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* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1.jar/org/springframework/web/servlet/view/document/AbstractPdfStamperView.java
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* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1.jar/org/springframework/web/servlet/view/AbstractView.java
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* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1.jar/org/springframework/web/servlet/tags/form/LabelTag.java
* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1.jar/org/springframework/web/servlet/tags/form/CheckboxesTag.java
* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1.jar/org/springframework/web/servlet/mvc/condition/CompositeRequestCondition.java
* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1.jar/org/springframework/web/servlet/mvc/condition/ConsumesRequestCondition.java
* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1.jar/org/springframework/web/servlet/config/ResourceHandlerRegistry.java
* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1.jar/org/springframework/web/servlet/vnd/jruby/ResourceHttpRequestHandler.java
* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1.jar/org/springframework/web/servlet/handler/HandlerMappingIntrospector.java
* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1.jar/org/springframework/web/servlet/tags/tags/form/FormTag.java
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* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1-jar/org/springframework/web/servlet/config/annotation/AbstractAnnotationConfigDispatcherServletInitializer.java

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* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1-jar/org/springframework/web/servlet/mvc/method/annotation/AbstractMessageConverterMethodProcessor.java
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* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1-jar/org/springframework/web/servlet/support/ServletUriComponentsBuilder.java
* /opt/cola/permits/1135840314_1613612859.34/0/spring-webmvc-4-3-29-release-sources-1-jar/org/springframework/web/servlet/mvc/condition/PatternsRequestCondition.java

1.622 log4j-web 2.17.0

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

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* atf-c/cui.c: The format_paragraph and format_text functions were derived form the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c7f2bb5b6.

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

  Author: Julio Merino <jmmv84@gmail.com>

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

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Benoit Sigoure <tsuna@google.com>
Bogdan Piloca <boo@google.com>
Chandler Carruth <chanderc@google.com>
Dave MacLachlan <dmaclach@gmail.com>
David Anderson <danderson@google.com>
Dean Sturtevant
Gene Volovich <gv@cite.com>
Hal Burch <gmock@hburch.com>
Jeffrey Yasskin <jyasskin@google.com>
Jim Keller <jimkeller@google.com>
Joe Walnes <joe@truemesh.com>
Jon Wray <jwray@gmail.com>
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Mario Tanev <radix@google.com>
Mark Paskin
Markus Heule <markus.heule@gmail.com>
Matthew Simmons <simmonmt@acm.org>
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Neal Norwitz <nnorwitz@gmail.com>
Nermin Ozbekanartli <nermin@google.com>
Owen Carlsen <ocarlsen@google.com>
Paneendra Ba <paneendra@google.com>
Paul Menage <smenage@google.com>
Piotr Kaminski <piotr.k@google.com>
Russ Rufer <russ@pentad.com>
Sverre Sundsdal <sundsdal@gmail.com>
Takeshi Yoshino <tyoshino@google.com>
Vadim Berman <vadimb@google.com>
Vlad Losev <vladl@google.com>
Wolfgang Klier <wklier@google.com>
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include/GL/g1.h

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include/GL/glxext.h
include/GL/wglxext.h :

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## The Unicode Standard, Unicode Character Database, Version 12.1.0

### Unicode Character Database
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1.646 commons-codec 1.11

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1.647 expat 2.1.0-10.el7_3

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1.648 open-ldap 2.4.44

1.649 gtk 3.22.30-3.el7

1.650 api-descriptor 21.0.0-alpha-23

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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### 1.653 tomcat-el-api 9.0.37

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1.654 xpp 1.1.4c

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Benoit Sigoure <tsuna@google.com>
Bogdan Piloca <boo@google.com>
Chandler Carruth <chandlerc@google.com>
Dave MacLachlan <dmaclach@gmail.com>
David Anderson <danderson@google.com>
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Jim Keller <jimkeller@google.com>
Joe Walnes <joe@truemesh.com>
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Markus Heule <markus.heule@gmail.com>
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Ajay Joshi <jaj@google.com>
Balzs Dn <balazs.dan@gmail.com>
Bharat Mediratta <bharat@menalto.com>
Chandler Carruth <chandlierc@gmail.com>
Chris Prince <cprince@google.com>
Chris Taylor <taylorc@google.com>
Dan Egnor <egnor@goole.com>
Eric Roman <eroman@chromium.org>
Hady Zalek <hady.zalek@gmail.com>
Jeffrey Yasskin <jyasskin@gmail.com>
Ji Sigursson <joi@google.com>
Keir Mierle <mierle@gmail.com>
Keith Ray <keith.ray@gmail.com>
Kenton Varda <kenton@google.com>
Manuel Klimek <klimek@google.com>
Markus Heule <markus.heule@gmail.com>
Mika Raento <mikie@iki.fi>
Mikls Fazekas <mfazekas@szemafor.com>
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

  Author: Julio Merino <jmmv@users.sourceforge.net>

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

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

  Author: Julio Merino <jmmv84@gmail.com>

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

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1.670 ethtool 4.8 1.el7

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html
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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
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1.672 transactions-api 3.9.3

1.673 pciutils 3.2.1-4.el7
1.673.1 Available under license:

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Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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It is currently developed by a community of developers, as well as supported
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1.678 pylblizma 0.5.3

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1.683 pkg-config 0.27.1

1.684 gdbm 1.10-8.el7
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* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
* @author Antoon Bosselaers <antoon.bosselaers@esat.kuleuven.ac.be>
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* /opt/cola/permits/1151387523_1617878113.8/0/javassist-3-18-1-ga-sources-8.jar/javassist/bytecode/annotation/EnumMemberValue.java
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* /opt/cola/permits/1151387523_1617878113.8/0/javassist-3-18-1-ga-sources-8-jar/javassist/bytecode/annotation/Annotation.java
* /opt/cola/permits/1151387523_1617878113.8/0/javassist-3-18-1-ga-sources-8-jar/javassist/bytecode/annotation/MemberValueVisitor.java

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* /opt/cola/permits/1151387523_1617878113.8/0/javassist-3-18-1-ga-sources-8-jar/javassist/bytecode/Mnemonic.java
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* /opt/cola/permits/1151387523_1617878113.8/0/javassist-3-18-1-ga-sources-8-jar/javassist/compiler/ast/Expr.java
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MySQL Connector/J 8.0

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   (For example, a function in a library to compute square roots has a
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* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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* java.sun.security.ssl

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org.ow2.asm:asm-commons
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org.apache.tomcat:tomcat-jasper-el
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org.apache.tomcat:tomcat-util-scan
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org.eclipse.jetty.toolchain:jetty-schemas

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   org.codehaus.groovy.jsr223.GroovyScriptEngineFactory
   org.codehaus.groovy.jsr223.GroovyScriptEngineImpl

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  jar/org/springframework/jmx/export/notification/NotificationPublisherAware.java
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  jar/org/springframework/context/MessageSourceAware.java
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  jar/org/springframework/context/annotation/ConflictingBeanDefinitionException.java
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  jar/org/springframework/context/ApplicationContextInitializer.java
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* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/context/annotation/AdviceMode.java
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  jar/org/springframework/context/weaving/DefaultContextLoadTimeWeaver.java
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  jar/org/springframework/context/annotation/ComponentScanBeanDefinitionParser.java
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/**
 * Indicates that a component is only eligible for registration when all
 * [@linkplain #value specified conditions] match.
 *
 * &lt;p&gt;A &lt;em&gt;condition&lt;/em&gt; is any state that can be determined programmatically
 * before the bean definition is due to be registered (see [@link Condition] for details).
 *
 * &lt;p&gt;The [@code @Conditional] annotation may be used in any of the following ways:
 * &lt;ul&gt;
 * &lt;li&gt;as a type-level annotation on any class directly or indirectly annotated with
 * [@code @Component], including [@link Configuration @Configuration] classes&lt;/li&gt;
 * &lt;li&gt;as a meta-annotation, for the purpose of composing custom stereotype
 * annotations&lt;/li&gt;
 * &lt;li&gt;as a method-level annotation on any [@link Bean @Bean] method&lt;/li&gt;
 * &lt;/ul&gt;
 *
 * &lt;p&gt;If a [@code @Configuration] class is marked with [@code @Conditional],
* all of the [@code @Bean] methods, [@link Import @Import] annotations, and
* [@link ComponentScan @ComponentScan] annotations associated with that
* class will be subject to the conditions.
*
* <p><strong>NOTE</strong>: Inheritance of [@code @Conditional] annotations
* is not supported; any conditions from superclasses or from overridden
* methods will not be considered. In order to enforce these semantics,
* [@code @Conditional] itself is not declared as
* [@link java.lang.annotation.Inherited @Inherited]; furthermore, any
* custom <em>composed annotation</em> that is meta-annotated with
* [@code @Conditional] must not be declared as [@code @Inherited].
*
* @author Phillip Webb
* @author Sam Brannen
* @since 4.0
* @see Condition
*/

Found in path(s):
* /opt/cola/permits/111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/context/annotation/Conditional.java

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/**
* [@link FactoryBean] that obtains a WebSphere [@link javax.management.MBeanServer]
* reference through WebSphere's proprietary [@code AdminServiceFactory] API,
* available on WebSphere 5.1 and higher.
*
* <p>Exposes the [@code MBeanServer] for bean references.
* This FactoryBean is a direct alternative to [@link MBeanServerFactoryBean],
* which uses standard JMX 1.2 API to access the platform's MBeanServer.
* 
* <p>See the javadocs for WebSphere's
*
* @author Juergen Hoeller
* @author Rob Harrop
* @since 2.0.3
* @see javax.management.MBeanServer
* @see MBeanServerFactoryBean
*/

Found in path(s):
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/jmx/support/WebSphereMBeanServerFactoryBean.java

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* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/jmx/export/UnableToRegisterMBeanException.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/jmx/export/assembler/AutodetectCapableMBeanInfoAssembler.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/remoting/rmi/RmiServiceExporter.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/validation/beanvalidation/LocaleContextMessageInterpolator.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/jndi/JndiTemplateEditor.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/remoting/support/RemoteInvocationBasedAccessor.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/remoting/support/DefaultRemoteInvocationExecutor.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-jar/org/springframework/remoting/rmi/CodebaseAwareObjectInputStream.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/jmx/export/naming/MetadataNamingStrategy.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/ejb/config/JndiLookupBeanDefinitionParser.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/jmx/export/naming/ObjectNamingStrategy.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/jmx/export/MBeanExportException.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/jmx/support/MBeanServerFactoryBean.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/jndi/JndiObjectTargetSource.java
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* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/validation/beanvalidation/BeanValidationPostProcessor.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/validation/notification/ModelMBeanNotificationPublisher.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/validation/ManagedAttribute.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/validation/AbstractJmxAttribute.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/validation/AbstractJmxAttribute.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/validation/AbstractJmxAttribute.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/validation/AbstractJmxAttribute.java
jar/org/springframework/remoting/support/RemoteInvocationFactory.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/remoting/support/RemoteInvocationBasedExporter.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/jndi/JndiAccessor.java
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
jar/org/springframework/validation/MapBindingResult.java
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 */

/**
 * Abstract the invocation of a cache operation.
 */
* Does not provide a way to transmit checked exceptions but
* provide a special exception that should be used to wrap any
* exception that was thrown by the underlying invocation.
* Callers are expected to handle this issue type specifically.
*
* @author Stephane Nicoll
* @since 4.1
*
*/

Found in path(s):
* /opt/cola/permits/1111391488_1606905930.31/0/spring-context-4-3-14-release-sources-1-
  jar/org/springframework/cache/interceptor/CacheOperationInvoker.java

1.699 polkit 0.112-18.el7
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Version 2, June 1991

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1.701 jackson-dataformat-xml 2.10.5

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1.702 unzip 6.0-19.el7

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a
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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

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

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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<typedef name="handler" classname="org.apache.poi.ss.excelant.ExcelAntHandlerTask" />
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1.708 failsafe 2.0.1

1.709 libxcb 1.13 1.el7

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1.710 kexec-tools 2.0.15 21.el7

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1.711 websocket-api 9.4.18.v20190429

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL/GPL.html
* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
Open Source Used In Cisco Unified Contact Center Express 12.5(1) SU2 6493

org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.713 go-runtime 1.13.5

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# Names should be added to this file as:
#   Name <email address>
Raul Silva <rsilvery@google.com>
Tipp Moseley <tipp@google.com>
Hyoun Kyu Cho <netforce@google.com>
Martin Spier <spiermar@gmail.com>
Taco de Wolff <tacodewolff@gmail.com>
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Aamir Khan <syst3m.w0rm@gmail.com>
Aaron Cannon <cannon@fireantproductions.com>
Aaron France <aaron.l.france@gmail.com>
Aaron Jacobs <jacobsa@google.com>
Aaron Kemp <kemp.aaron@gmail.com>
Aaron Stein <aaronstein12@gmail.com>
Aaron Torres <teboo0x@gmail.com>
Aaron Zinnman <aaron@azinman.com>
Aarti Parikh <aarti.parikh@gmail.com>
Abdullah Al Maruf <mymail.maruf@gmail.com>
Abe Haskins <abeisgreat@abeisgreat.com>
Abhinav Gupta <abhinav.g90@gmail.com>
Adam Azarchs <adam.azarchs@10xgenomics.com>
Adam Bender <abender@google.com>
Adam Eijdenberg <adam@continusec.com>
Adam Harvey <aharvey@php.net>
Adam Kisala <adam.kisala@gmail.com>
Adam Langley <agl@golang.org>
Adam Medzinski <adam.medzinski@gmail.com>
Adam Shannon <adamkshannon@gmail.com>
Adam Sindelar <adams@google.com>
Adam Thomason <athomason@gmail.com>
Adam Woodbeck <adam@woodbeck.net>
Adarsh Ravichandran <adarshravichandran91@gmail.com>
Aditya Mukerjee <dev@chimeracoder.net>
Adrian Hesketh <adrianhesketh@hushmail.com>
Adrian Nos <nos.adrian@gmail.com>
Adrian O'Grady <elpollouk@gmail.com>
Adrien Bustany <adrien-xx-google@bustany.org>
Adrien Petel <peteladrien@gmail.com>
Acio Jnior <aeci@dantasjunior@gmail.com>
Aeneas Rekkas (arekkas) <aeneas@ory.am>
Afanasev Stanislav <phpprogger@gmail.com>
Agis Anastasopoulos <agis.anast@gmail.com>
Agniva De Sarker <agnivade@yahoo.co.in>
Ahmed Wahed <oneofone@gmail.com>
Ahmet Alp Balkan <ahmetb@google.com>
Ahmet Soormally <ahmet@mangomm.co.uk>
Ahmy Yulrizka <yulrizka@gmail.com>
Ahsun Ahmed <ahmed.ahsun@gmail.com>
Aiden Scandella <ai@uber.com>
Ainar Garipov <gugl.zadolbal@gmail.com>
Aishraj Dahal <aishraj@users.noreply.github.com>
Akhil Indurti <contact@akhilindurti.com>
Akihiro Suda <suda.kyoto@gmail.com>
Akshat Kumar <seed@mail.nanosouffle.net>
Borja Clemente <borja.clemente@gmail.com>
Brad Burch <brad.burch@gmail.com>
Brad Fitzpatrick <bradfitz@golang.org> <bradfitz@gmail.com>
Brad Garcia <bgarcia@golang.org>
Brad Jones <rbjones@google.com>
Brad Morgan <brad@morgabra.com>
Brad Whitaker <bwhitaker@fastly.com>
Braden Bassingthwaite <bbassingthwaite@vendasta.com>
Bradley Falzon <brad@teambrad.net>
Brady Catherman <brady@gmail.com>
Brady Sullivan <brady@bsull.com>
Brandon Bennett <b Bennett@fb.com>
Brandon Gilmore <varz@gmail.com>
Brandon Ryan <bryan19@gmail.com>
Brendan Daniel Tracey <tracey.brendan@gmail.com>
Brendan O’Dea <bod@golang.org>
Brett Cannon <bcannon@gmail.com>
Brett Merrill <brett.j.merrill94@gmail.com>
Brian Delliganti <briandelliganti@gmail.com>
Brian Downs <brian.downs@gmail.com>
Brian G. Merrell <bgmerrell@gmail.com>
Brian Gitonga Marete <marete@toshnix.com> <bgmarete@gmail.com> <bgm@gmail.com>
Brian Kennedy <btkennedy@gmail.com>
Brian Kessler <brian.m.kessler@gmail.com>
Brian Ketelsen <bketelsen@gmail.com>
Brian Slesinsky <skybrian@gmail.com>
Brian Smith <ohohvi@gmail.com>
Brian Starke <brian.starke@gmail.com>
Bryan Alexander <Kozical@msn.com>
Bryan C. Mills <bcmills@google.com>
Bryan Chan <bryan.chan@ca.ibm.com>
Bryan Ford <brynosaurus@gmail.com>
Bryan Heden <b.heden@gmail.com>
Bulat Gaifullin <gai fullinbf@gmail.com>
Burak Guven <bguven@gmail.com>
Caine Tighe <arctanofyourface@gmail.com>
Caio Marcelo de Oliveira Filho <caio.oliveira@intel.com>
Caleb Martinez <accounts@calebmartinez.com>
Caleb Spare <cespare@gmail.com>
Carl Chatfield <carlchatfield@gmail.com>
Carl Henrik Lunde <chlunde@ifi.uio.no>
Carl Jackson <carl@stripe.com>
Carl Johnson <me@carlm johnson.net>
Carl Mastrangelo <notcarl@gmail.com>
Carl Shapiro <cshapiro@gmail.com> <cshapiro@golang.org>
Carlissia Campos <carlissia@grokkingtech.io>
Carlo Alberto Ferraris <cafxx@strayorange.com>
Carlos Castillo <cookie9@gmail.com>
Carlos Cirello <uldericofilho@gmail.com>
Carlos Eduardo <me@carlosedp.com>
Carlos Eduardo Seo <cseo@linux.vnet.ibm.com>
Carlos Souza <carlosshrouza@gmail.com>
Carolyn Van Slyck <me@carolynvanslyck.com>
Carrie Bynon <chynon@gmail.com>
Cary Hull <chull@google.com>
Case Nelson <case.nelson@gmail.com>
Casey Callendrello <squeed@gmail.com>
Casey Marshall <casey.marshall@gmail.com>
Catalin Nicutar <cnicutar@google.com>
Catalin Patulea <catalinp@google.com>
Cedric Staub <cs@squareup.com>
Cezar S Espinola <cezarsa@gmail.com>
Chad Rosier <mrosier.qdt@qualcommdatacenter.com>
ChaiShushan <chaishushan@gmail.com>
Channing Kimble-Brown <channing@golang.org>
Charles Fenwick Elliott <Charles@FenwickElliott.io>
Charles Kenney <charlesc.kenney@gmail.com>
Charles L. Dorian <eldorian@gmail.com>
Charles Lee <zombie.fml@gmail.com>
Charles Weill <weill@google.com>
Cherry Zhang <cherryyz@google.com>
Chew Choon Keat <choonkeat@gmail.com>
Cholerae Hu <choleraehyq@gmail.com>
Chotepud Teo <AlexRouSg@users.noreply.github.com>
Chris Ball <chris@printf.net>
Chris Biscardi <chris@christopherbiscardi.com>
Chris Broadfoot <cbro@golang.org>
Chris Dollin <ehog.hedge@gmail.com>
Chris Farmilo <chrisfarms@gmail.com>
Chris Hines <chris.cs.guy@gmail.com>
Chris Howey <howeyc@gmail.com>
Chris Hundt <hundt@google.com>
Chris Jones <chris@cjones.org> <chris.jones.yar@gmail.com>
Chris Kastorff <encryptio@gmail.com>
Chris Lennert <calennert@gmail.com>
Chris Liles <caveryliles@gmail.com>
Chris Manghane <cmang@golang.org>
Chris Marchesi <chrism@vancluevertech.com>
Chris McGee <sirnewton_01@yahoo.ca> <newton688@gmail.com>
Chris Raynor <raynor@google.com>
Chris Roche <rodaine@gmail.com>
Chris Smith <chrsmith@users.noreply.github.com>
Chris Stockton <chrisstocktonaz@gmail.com>
Chris Zou <chriszou@ca.ibm.com>
Christian Alexander <christian@linux.com>
Christian Couder <chriscool@tuxfamily.org>
David Brgin <676c7473@gmail.com>
David Calavera <david.calavera@gmail.com>
David Carlier <devnexen@gmail.com>
David Chase <drchase@google.com>
David Covert <davidhcovert@gmail.com>
David Crawshaw <david.crawshaw@zentus.com> <crawshaw@google.com> <crawshaw@golang.org>
David du Colombier <0intro@gmail.com>
David Finkel <david.finkel@gmail.com>
David Forsythe <dforsythe@gmail.com>
David G. Andersen <dave.andersen@gmail.com>
David Glasser <glasser@meteor.com>
David Heuschmann <heuschmann.d@gmail.com>
David Howden <dhowden@gmail.com>
David Hubbard <dsp@google.com>
David Jakob Fritz <david.jakob.fritz@gmail.com>
David Jones <dxjones@gmail.com>
David Lazar <lazard@golang.org>
David Leon Gil <coruus@gmail.com>
David McLeish <davemc@gmail.com>
David Ndungu <dnjuguna@gmail.com>
David NewHamlet <david@newhamlet.com>
David Presotto <presotto@gmail.com>
David R. Jenni <david.r.jenni@gmail.com>
David Sansome <me@davidsansome.com>
David Stainton <dstainton415@gmail.com>
David Symonds <dSYMonds@golang.org>
David Thomas <davidthomas426@gmail.com>
David Timm <dtimm@pivotal.io>
David Titarenco <david.titarenco@gmail.com>
David Tolpin <david.tolpin@gmail.com>
David Url <david@urld.io>
David Volquartz Lebech <david@lebech.info>
David Wimmer <davidlwimmer@gmail.com>
Davies Liu <davies.liu@gmail.com>
Davor Kapsa <davor.kapsa@gmail.com>
Dean Prichard <dean.prichard@gmail.com>
Deepak Jois <deepak.jois@gmail.com>
Denis Bernard <db047h@gmail.com>
Denis Brandolini <denis.brandolini@gmail.com>
Denis Nagorny <denis.nagorny@intel.com>
Dennis Kuhnert <mail.kuhnert@gmail.com>
Denys Honsiorovskyi <honsiorovskyi@gmail.com>
Denys Smirnov <denis.smirnov.91@gmail.com>
Derek Buitenhuys <derek.buitenhuys@gmail.com>
Derek Che <drc@yahoo-inc.com>
Derek McGowan <derek@mcgstyle.net>
Derek Parker <parkerderek86@gmail.com>
Derek Phan <derekphan94@gmail.com>
Open Source Used In Cisco Unified Contact Center Express 12.5(1) SU2  6514

Dustin Sallings <dsallings@gmail.com>
Dustin Shields-Cloues <dcloues@gmail.com>
Dvir Volk <dvir@everything.me> <dvirsky@gmail.com>
Dylan Waits <dylan@waits.io>
Edan Bedrik <3d4nb3@gmail.com>
Eddie Scholtz <escholtz@google.com>
Eden Li <eden.li@gmail.com>
Eduard Urbach <e.urbach@gmail.com>
Eduardo Ramalho <eduardo.ramalho@gmail.com>
Edward Muller <edwardam@interlix.com>
Egon Elbre <egonelbre@gmail.com>
Ehren Kret <ehren.kret@gmail.com>
Eitan Adler <lists@eitanadler.com>
Eivind Uggedal <eivind@uggedal.com>
Elbert Flick <eflick@gmail.com>
Eldar Rakhimberdin <ibeono@gmail.com>
Elena Grahovac <elena@grahovac.me>
Eli Bendersky <eliben@google.com>
Elias Naur <mail@eliasnaur.com> <elias.naur@gmail.com>
Elliot Morrison-Reed <elliotmr@gmail.com>
Emerson Lin <linyintor@gmail.com>
Emil Hessman <emil@hessman.se>
Emil Mursalimov <mursalimovemeel@gmail.com>
Emilien Kenler <hello@emilienkenler.com>
Emmanuel Odeke <emm.odeke@gmail.com> <odeke@ualberta.ca>
Eno Compton <enocom/google.com>
Eoghan Sherry <ejsherry@gmail.com>
Eric Chiang <eric.chiang.m@gmail.com>
Eric Clark <zerohp@gmail.com>
Eric Daniels <eric@erdanis.com>
Eric Engestrom <eric@engestrom.ch>
Eric Garrido <ekg/google.com>
Eric Koleda <ekoleda+devrel/google.com>
Eric Lagergren <ericscottlagergren@gmail.com>
Eric Milliken <emiliken@gmail.com>
Eric Pauley <eric@pauley.me>
Eric Ponce <tricokun@gmail.com>
Eric Rescorla <ekr/rtfm.com>
Eric Roshan-Eisner <eric.d.eisner@gmail.com>
Eric Rykwalder <e.rykwalder@gmail.com>
Erik Aigner <aigner.eric@gmail.com>
Erik Dubbelboer <erik@dubbelboer.com>
Erik St. Martin <alakriti@gmail.com>
Erik Staab <estaab@google.com>
Erik Westrup <erik.westrup@gmail.com>
Erin Masatsugu <erin.masatsugu@gmail.com>
Ernest Chiang <ernest.chiang@htc.com>
Erwin Oegema <blablaehthema@hotmail.com>
Gideon Jan-Wessel Redelinghuys <gjredelinghuys@gmail.com>
Giles Lean <giles.lean@pobox.com>
Giovanni Bajo <rasky@develer.com>
GitHub User @ajnirp (1688456) <ajnirp@users.noreply.github.com>
GitHub User @alkesh26 (1019076) <alkesh26@gmail.com>
GitHub User @andrius4669 (4699695) <andrius4669@gmail.com>
GitHub User @as (8127015) <as.utf8@gmail.com>
GitHub User @bakape (7851952) <bakape@gmail.com>
GitHub User @bgadrian (830001) <aditza8@gmail.com>
GitHub User @bontequero (2674999) <bontequero@gmail.com>
GitHub User @cch123 (384546) <buaa.cch@gmail.com>
GitHub User @chanxuehong (3416908) <chanxuehong@gmail.com>
GitHub User @dupoxy (1143957) <dupoxy@users.noreply.github.com>
GitHub User @erifan (31343225) <eric.fang@arm.com>
GitHub User @esell (9735165) <eujon.sellers@gmail.com>
GitHub User @frennie (6499251) <mail@rhab.de>
GitHub User @hengwu0 (41297446) <41297446+hengwu0@users.noreply.github.com>
GitHub User @itchyny (375258) <itchyny@hatena.ne.jp>
GitHub User @kazyshr (30496953) <kazyshr0301@gmail.com>
GitHub User @kc1212 (1093806) <kc1212@users.noreply.github.com>
GitHub User @Kropekk (13366453) <kamilkropiewnicki@gmail.com>
GitHub User @linguohua (3434367) <lghchinaidea@gmail.com>
GitHub User @LotusFenn (13775899) <fenn.lotus@gmail.com>
GitHub User @madiganz (18340029) <zacharywmadigan@gmail.com>
GitHub User @micncim (21333876) <micncim@gmail.com>
GitHub User @mkishere (224617) <224617+mkishere@users.noreply.github.com>
GitHub User @OlgaVLPetrova (44112727) <OVPetrova@gmail.com>
GitHub User @pityonline (438222) <pityonline@gmail.com>
GitHub User @pytimer (17105586) <lixin20101023@gmail.com>
GitHub User @saitarunreddy (21041941) <saitarunreddypalla@gmail.com>
GitHub User @shogo-ma (9860598) <Choroma194@gmail.com>
GitHub User @tatsumack (4510569) <tatsu.mack@gmail.com>
GitHub User @tell-k (26263) <ffk2005@gmail.com>
GitHub User @uhei (2116845) <uhei@users.noreply.github.com>
GitHub User @urophe (39370426) <urophe@gmail.com>
GitHub User @uktarmextc (53217283) <53217283+uktarmextc@users.noreply.github.com>
GitHub User @yuanhh (1298735) <yuan415030@gmail.com>
GitHub User @ZZMarquis (7624583) <zhonglingjian3821@163.com>
Giulio Iotti <dullgiulio@gmail.com>
Giulio Micheloni <giulio.micheloni@gmail.com>
Giuseppe Valente <gvvalente@arista.com>
Gleb Stepanov <glebsteanov1992@gmail.com>
Glenn Brown <glennb@google.com>
Glenn Lewis <gmlewis@google.com>
Gordon Klaus <gordon.klaus@gmail.com>
Gordon Tyler <gordon@dooxx.net>
Graham King <graham4king@gmail.com>
Graham Miller <graham.miller@gmail.com>
Iskander Sharipov <iskander.sharipov@intel.com> <quasilyte@gmail.com>
Issac Trotts <issactrotts@google.com>
Ivan Babrou <ivan@cloudflare.com>
Ivan Bertona <ivan.bertona@gmail.com>
Ivan Krasin <krasin@golang.org>
Ivan Kutuzov <arbrix@gmail.com>
Ivan Markin <sw@nogoeGST.net>
Ivan Moscoso <moscoso@gmail.com>
Ivan Osadchiy <ivan.osadchii@gmail.com>
Ivan Sharavuev <shpiwan@gmail.com>
Ivan Ukhover <ivan.ukhov@gmail.com>
Ivy Evans <ivy@ivyevans.net>

Jaana Burcu Dogan <jbd@google.com> <jbd@golang.org> <burcudogan@gmail.com>
Jack Britton <jackxbritton@gmail.com>
Jack Lindamood <jlindamo@justin.tv>
Jacob Baskin <jbaskin@google.com>
Jacob Blain Christen <dweomer5@gmail.com>
Jacob H. Haven <jacob@cloudflare.com>
Jacob Hoffman-Andrews <github@hoffman-andrews.com>
Jacob Walker <jacobwalker0814@gmail.com>
Jae Kwon <jae@tendermint.com>
Jake B <doogie1012@gmail.com>
Jakob Borg <jakob@nym.se>
Jakob Weisblat <jakobw@mit.edu>
Jakub ajka <jcajka@redhat.com>
Jakub Ryszard Czarnowicz <j.czarnowicz@gmail.com>
James Aguilar <jaguilar@google.com>
James Bardin <j.bardin@gmail.com>
James Chacon <jchacon@google.com>
James Clarke <jrtc27@jrtc27.com>
James Cowgill <james.Cowgill@imgtec.com>
James Craig Burley <james-github@burleyarch.com>
James David Chalfant <james.chalfant@gmail.com>
James Eady <jmeady@google.com>
James Fysh <james.fysh@gmail.com>
James Gray <james@james4k.com>
James Hartig <fastest963@gmail.com>
James Lawrence <j.ljatone@gmail.com>
James Meneghello <rawrz0r@gmail.com>
James Myers <jmyers9@gmail.com>
James Neve <jamesoneve@gmail.com>
James Nugent <james@jen20.com>
James P. Cooper <jamespcooper@gmail.com>
James Robinson <jamesr@google.com> <jamesr.gatech@gmail.com>
James Schofield <james@shoeboxapp.com>
James Smith <jrs1995@icloud.com>
James Sweet <james.sweet88@googlemail.com>
James Toy <nil@opensesame.st>
Marko Mikulicic <mkn@google.com>
Marko Mudrinic <mudrinic.mare@gmail.com>
Marko Tiikkaja <marko@joh.to>
Markus Duft <markus.duft@salomon.at>
Markus Sonderegger <marraison@gmail.com>
Markus Zimmermann <zimmski@gmail.com>
Marten Seemann <martenseemann@gmail.com>
Martin Bertschler <mbertschler@gmail.com>
Martin Garton <garton@gmail.com>
Martin Habbecke <marhab@gmail.com>
Martin Hamrle <martin.hamrle@gmail.com>
Martin Hoefling <martin.hoefling@gmx.de>
Martin Kreichgauer <martinkr@google.com>
Martin Kunc <martinkunc@users.noreply.github.com>
Martin Lindhe <martin.j.lindhe@gmail.com>
Martin Mohrmann <moehrmann@google.com> <martisch@uos.de>
Martin Neubauer <m.ne@gmx.net>
Martin Olsen <github.com@martins Olsen.net>
Martin Olsson <martin@minimum.se>
Martin Probst <martin@probst.io>
Martin Sucha <anty.sk+git@gmail.com>
Martin Tournoij <martin@probst.io>
Martins Sipenko <martins.sipenko@gmail.com>
Martynas Budrinas <mabu@google.com>
Marvin Stenger <marvin.stenger94@gmail.com>
Marwan Sulaiman <marwan.sulaiman@work.co>
Maryan Hratson <gmarik@gmail.com>
Masahiro Furudate <masahiro.furudate@gmail.com>
Masahiro Wakame <vvakame@gmail.com>
Masaki Yoshida <yoshida.masaki@gmail.com>
Mat Byczkowski <mbyczkowski@gmail.com>
Mat Ryer <thatmatryer@gmail.com>
Mt Gulys <mgulys86@gmail.com>
Matej Bao <matejbaco@gmail.com>
Mateus Amin <mateus.amin@gmail.com>
Mateusz Czapinski <czapkofan@gmail.com>
Mathias Beke <git@denbeke.be>
Mathias Hall-Andersen <mathias@hall-andersen.dk>
Mathias Leppich <mleppich@muhq.de>
Mathieu Lonjaret <mathieu.lonjaret@gmail.com>
Mats Lidell <mats.lidell@cag.se> <mats.lidell@gmail.com>
Matt Aimonetti <mattaimonetti@gmail.com>
Matt Blair <me@mattblair.net>
Matt Bostock <matt@mattbostock.com>
Matt Brown <mdbrown@google.com>
Matt Dee <mdee@hioscar.com>
Matt Drollette <matt@drollette.com>
Matt Harden <matt.harden@gmail.com>
Matt Jibson <matt.jibson@gmail.com>
Matt Joiner <anacrolix@gmail.com>
Matt Jones <mrjones@live.com>
Matt Juran <thejciet@gmail.com>
Matt Layher <mdlayher@gmail.com>
Matt Reiferson <mreiferson@gmail.com>
Matt Robenolt <matt@ydekproductions.com>
Matt Strong <mstrong1341@gmail.com>
Matt T. Proud <matt.proud@gmail.com>
Matt Williams <gh@mattyw.net> <mattyjwilliams@gmail.com>
Matthew Brennan <matty.brennan@gmail.com>
Matthew Broberg <matthewbbroberg@gmail.com>
Matthew Cottingham <mattcottingham@gmail.com>
Matthew Dempsey <mdempsey@live.com>
Matthew Denton <mdenton@skyportsystems.com>
Matthew Holt <Matthew.Holt+git@gmail.com>
Matthew Horsnell <matt.horsnell@gmail.com>
Matthew Waters <mwwaters@gmail.com>
Matthew Hauglustaine <matt.hauglustaine@gmail.com>
Matthew Olivier <olivier.mathieu@gmail.com>
Matthijs Kooijman <matthijs@stdin.nl>
Max Riveiro <kavan13@gmail.com>
Max Schmitt <max@schmitt.mx>
Max Semenik <maxsem.wiki@gmail.com>
Max Ushakov <ushmax@gmail.com>
Maxim Eryomenko <moeryomenko@gmail.com>
Maxim Khitrov <max@mxcrypt.com>
Maxim Pimenov <mpimenov@gmail.com>
Maxim Ushakov <ushakov@gmail.com>
Maxime de Roucy <maxime.deroucy@gmail.com>
Mximo Cuadros Ortiz <mucuadros@gmail.com>
Maxwell Krohn <themax@gmail.com>
Maya Rashish <maya@NetBSD.org>
Mayank Kumar <kmayankk@gmail.com>
Meir Fischer <meirfischer@gmail.com>
Meng Zhuo <mengzhuo1203@gmail.com>
Mhd Sulhan <m.sulhan@gmail.com>
Micah Stetson <micah.stetson@gmail.com>
Michael Anthony Knyszek <mknyszek@gmail.com>
Michael Brandenburg <mbrandenburg@bolste.com>
Michael Chaten <mchaten@gmail.com>
Michael Cook <code@mdcook.net>
Michael Darakananda <pongad@live.com>
Michael Dorner <mail@michaeldorner.de>
Michael Edwards <medwards@walledcity.ca>
Michael Elkins <michael.elkins@gmail.com>
Michael Ellis <micellis@justin.tv>
Michael Fraenkel <michael.fraenkel@gmail.com>
Nathan P Finch <nate.finch@gmail.com>
Nathan VanBenschoten <nvanschoten@gmail.com>
Nathan Youngman <git@nathany.com>
Nathan(yinian) Hu <nathanhu@gmail.com>
Nathaniel Cook <nvcook42@gmail.com>
Naveen Kumar Sangi <naveenkumarsangi@protonmail.com>
Neelesh Chandola <neelesh.c98@gmail.com>
Neil Lyons <nwjllyons@googlemail.com>
Neuman Vong <neuman.vong@gmail.com>
Neven Sajko <nsajko@gmail.com>
Nevins Bartolomeo <nevins.bartolomeo@gmail.com>
Niall Sheridan <nsheridan@gmail.com>
Nic Day <nic.day@me.com>
Nicholas Katsaros <nick@nickkatsaros.com>
Nicholas Maniscalco <nicholas@maniscalco.com>
Nicholas Ng <nickng@nickng.io>
Nicholas Presta <nick@nickpresta.ca> <nick1presta@gmail.com>
Nicholas Sullivan <nicholas.sullivan@gmail.com>
Nicholas Waples <nwaples@gmail.com>
Nick Anthony <Libratys@outlook.com>
Nick Cooper <nnvc@gmail.com>
Nick Craig-Wood <nick@craig-wood.com> <nickcw@gmail.com>
Nick Harper <nharper@gmail.com>
Nick Kubala <nkubala@gmail.com>
Nick Leli <nicholasleli@gmail.com>
Nick Miyake <nmiyake@users.noreply.github.com>
Nick Patavalis <nick.patavalis@gmail.com>
Nick Petroni <npetroni@cs.umd.edu>
Nick Robinson <nrobinson13@gmail.com>
Nick Smolin <nick27surgut@gmail.com>
Nicolas BRULEZ <n.brulez@gmail.com>
Nicolas Kaiser <nikai@nikai.net>
Nicolas Owens <mischief@offblast.org>
Nicolas S. Dade <nic.dade@gmail.com>
Niek Sanders <niek.sanders@gmail.com>
Niels Widger <niels.widger@gmail.com>
Nigel Kerr <nigel.kerr@gmail.com>
Nigel Tao <nigeltao@golang.org>
Nik Nyby <nmyby@columbia.edu>
Nikhil Benesch <nikhil.benesch@gmail.com>
Nikita Kryuchkov <nkruchkov10@gmail.com>
Niklas Schnelle <niklas.schnelle@gmail.com>
Niko Dziemba <niko@dziemba.com>
Nikolay Turpiko <nikolay@turpiko.com>
Nils Larsgard <nilsmagnus@gmail.com>
Nir Soffer <nirsof@gmail.com>
Niranjan Godbole <niranjan8192@gmail.com>
Nishanth Shanmugham <nishanth.gerrard@gmail.com>
Paul Chang <paulchang@google.com>
Paul Hammond <paul@paulhammond.org>
Paul Hankin <paulhankin@google.com>
Paul Jolly <paul@myitcv.org.uk>
Paul Lalonde <paul.a.lalonde@gmail.com>
Paul M Furley <paul@paulfurley.com>
Paul Marks <pmarks@google.com>
Paul Meyer <paul.meyer@microsoft.com>
Paul Nasrat <pnasrat@google.com>
Paul PISCUC <paul.piscuc@gmail.com>
Paul Querna <pquerna@apache.org>
Paul Rosania <paul.rosania@gmail.com>
Paul Ruest <pruest@gmail.com>
Paul Sbarra <Sbarra.Paul@gmail.com>
Paul Smith <paulsmith@pobox.com> <paulsmith@gmail.com>
Paul Tyng <paul@paultyng.net>
Paul van Brouwershaven <paul@vanbrouwershaven.com>
Paul Wankadia <junyee@gmail.com>
Paulo Casaretto <pcasaretto@gmail.com>
Paulo Flabiano Smorigo <pfsmorigo@linux.vnet.ibm.com>
Pavel Paulau <pavel.paulau@gmail.com>
Pavel Zinovkin <pavel.zinovkin@gmail.com>
Pavlo Sumkin <ymkins@gmail.com>
Pawel Knip <pawelknip88@gmail.com>
Pawel Szczur <filemon@gmail.com>
Percy Wegmann <ox.to.a.cart@gmail.com>
Perry Abbott <perry.j.abbott@gmail.com>
Petar Maymounkov <petarm@gmail.com>
Peter Armitage <peter.armitage@gmail.com>
Peter Bourgon <peter@bourgon.org>
Peter Collingbourne <pcc@google.com>
Peter Conerly <pconerly@gmail.com>
Peter Dotchev <dotchev@gmail.com>
Peter Froehlich <peter.hans.froehlich@gmail.com>
Peter Gonda <pgonda@gmail.com>
Peter Hoyes <pahoyes@gmail.com>
Peter Kleiweg <pkleiweg@xs4all.nl>
Peter McKenzie <petermck@gmail.com>
Peter Moody <pmoody@uber.com>
Peter Morjan <pmorjan@gmail.com>
Peter Mundy <go.peter.90@gmail.com>
Peter Nguyen <peter@mictis.com>
Pter Surnyi <speter.go1@gmail.com>
Pter Szab <pts@gmail.com>
Pter Szilgyi <pterke@gmail.com>
Peter Teichman <pteichman@fastly.com>
Peter Tseng <ptseng@squareup.com>
Peter Waldschmidt <peter@waldschmidt.com>
Peter Waller <peter.waller@gmail.com>
Peter Weinberger <pjw@golang.org>
Peter Williams <pwil3058@gmail.com>
Pete Zeneman <petezeneman@gmail.com>
Peter Zhang <petr.jediny@gmail.com>
Pierre Durand <pierreredund@google.com>
Pierre Prinetti <pierreprinetti@gmail.com>
Pierre Rouillon <pierre.rouillon@gmail.com>
Piers <petersmit@gmail.com>
Pieter Droogendijk <pieter@bolthole.com>
Pietro Gagliardi <pietro10@mac.com>
Piyush Mishra <piyush@codeitout.com>
Plekhanov Maxim <kishtatix@gmail.com>
Pontus Leitzler <leitzler@gmail.com>
Prasanna Swaminathan <prasanna@mediamath.com>
Prashant Varanasi <prashant@prashantv.com>
Pravendra Singh <hackpravj@gmail.com>
Preetam Jinka <pj@preet.am>
Pure White <wu.purewhite@gmail.com>
Qais Patankar <qaisjp@gmail.com>
Qiuqian Zhu <slsh1022@gmail.com>
Quan Tran <qeed.quan@gmail.com>
Quan Yong Zhai <qyzhai@gmail.com>
Quentin Perez <qperez@ocs.online.net>
Quentin Renard <quentin@asticode.com>
Quentin Smith <quentin@golang.org>
Quinn Slack <sqs@sourcegraph.com>
Quinten Yearsley <qyearsley@chromium.org>
Quoc-Viet Nguyen <afelion@gmail.com>
Radek Sohlick <sohlich@gmail.com>
Radu Berinde <radu@cockroachlabs.com>
Rafal Jeczalik <rfiejczalik@gmail.com>
Raghavendra Nagaraj <jamdagni86@gmail.com>
Rahul Chaudhry <rahulchaudhry@chromium.org>
Raj S. Naffah <go@naffah-raif.name>
Rajat Goel <rajat.goel2010@gmail.com>
Rajath Agasthya <rajathagasthya@gmail.com>
Rajender Reddy Kompally <rajenderreddykompally@gmail.com>
Salmn Aljammz <s@0x65.net>
Sam Arnold <sarnold64@bloomberg.net>
Sam Boyer <tech@samboyer.org>
Sam Ding <samding@ca.ibm.com>
Sam Hug <samuel.b.hug@gmail.com>
Sam Thorogood <thorogood@google.com> <sam.thorogood@gmail.com>
Sam Whited <sam@samwhited.com>
Sameer Ajmani <sameer@golang.org> <ajmani@gmail.com>
Sami Commerot <samic@google.com>
Sami Pnknen <sami.ponkanen@gmail.com>
Samuel Kelemen <SCKelemen@users.noreply.github.com>
Samuel Tan <samueltan@gmail.com>
Samuele Pedroni <pedronis@lucediurna.net>
Sander van Harmelen <sander@vanharmelen.nl>
Sanjay Menakuru <balasanjay@gmail.com>
Santhosh Kumar Tekuri <santhosh.tekuri@gmail.com>
Sarah Adams <shadams@google.com>
Sascha Brawer <sascha@srawer.ch>
Sasha Lionheart <lionhearts@google.com>
Sasha Sobol <sasha@scaledinference.com>
Scott Barron <scott.barron@github.com>
Scott Bell <scott@scstsm.com>
Scott Crunkleton <crunk1@gmail.com>
Scott Ferguson <scottwferg@gmail.com>
Scott Lawrence <bytbox@gmail.com>
Scott Mansfield <smansfield@netflix.com>
Scott Schwartz <scotts@golang.org>
Scott Van Woudenberg <scottvw@google.com>
Sean Burford <sburford@google.com>
Sean Chen <oohcode@gmail.com>
Sean Chittenden <sean@joyent.com>
Sean Christopherson <sean.j.christopherson@intel.com>
Sean Dolphin <Sean.Dolphin@kpcompass.com>
Sean Harger <sharger@google.com>
Sean Rees <sean@erifax.org>
Sebastiaan van Stijn <github@gone.nl>
Sebastian Schmidt <yath@gmail.com>
Sebastien Binet <seb.binet@gmail.com>
Sbastien Paolacci <sebastien.paolacci@gmail.com>
Sebastien Williams-Wynn <sebastien@cytora.com>
Segev Finer <segev208@gmail.com>
Seiji Takahashi <timaki.st@gmail.com>
Sergei Skorobogatov <skorobo@rambler.ru>
Sergei Zagurskii <gvozdoder@gmail.com>
Sergey 'SnakE' Gromov <snake.scally@gmail.com>
Sergey Arseev <sergey.arseev@intel.com>
Sergey Dobrodey <sergey.dobrodey@synesis.ru>
Sergey Frolov <sfrolov@google.com>
Tugdual Saunier <tugdual.saunier@gmail.com>
Tuo Shan <sturbo89@gmail.com> <shantuo@google.com>
Tyler Bui-Palsulich <tpalsulich@gmail.com>
Tyler Bun nell <tylerbunnell@gmail.com>
Tyler Treat <ttreat31@gmail.com>
Tzu-Jung Lee <roylee17@currant.com>
Udalov Max <re.udalov@gmail.com>
Ugorji Nwoke <ugorji@gmail.com>
Ulf Holm Nielsen <doktor@dyregod.dk>
Ulrich Kunitz <uli.kunitz@gmail.com>
Umang Parmar <umangiparmar@gmail.com>
Uriel Mangado <uriel@berlinblue.org>
Urvil Patel <patelurvil38@gmail.com>
Uttam C Pawar <uttam.c.pawar@intel.com>
Vadim Grek <vadimprog@gmail.com>
Vadim Vygonets <unixdj@gmail.com>
Val Polouchkine <vpolouch@justin.tv>
Valentin Vidic <vvicic@valentin-vidic.from.hr>
Vega Garcia Luis Alfonso <vegacom@gmail.com>
Venil Noronha <veniln@vmware.com>
Veselkov Constantin <kostozyb@gmail.com>
Viacheslav Poturaev <vearutop@gmail.com>
Victor Chudnovsky <vchudnov@gmail.com>
Victor Vrantchan <vrancean+github@gmail.com>
Vignesh Ramachandra <vickyramachandra@gmail.com>
Vikas Kedia <vikask@gmail.com>
Vincent Ambo <tazjin@googlemail.com>
Vincent Batts <vbatts@hashbangbash.com> <vbatts@gmail.com>
Vincent Vanackere <vincent.vanackere@gmail.com>
Viniz Norashekhar <vinutheraj@gmail.com>
Vish Subramanian <vish@goophone.com>
Vishvananda Ishaya <vishvananda@gmail.com>
Visweswara R <visweswara@gmail.com>
Vitor De Mario <vitordemario@gmail.com>
Vivek Sekhar <vsekhar@gmail.com>
Vlad Krasnov <vlad@cloudflare.com>
Vladimir Kovpak <cn007b@gmail.com>
Vladimir Kuzmin <vkuzmin@uber.com>
Vladimir Mihailenco <vladimir.webdev@gmail.com>
Vladimir Nikishenko <vova616@gmail.com>
Vladimir Stefanovic <vladimir.stefanovic@imgtec.com>
Vladimir Varankin <nek.narqo@gmail.com>
Volker Dobler <dr.volker.dobler@gmail.com>
Volodymyr Paprotsky <vpaprots@ca.ibm.com>
W. Trevor King <wking@tremily.us>
Wade Simmons <wade@wades.im>
Wagner Riffel <wgriffel@gmail.com>
Walter Poupore <wpoupore@gmail.com>
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1.714 slf4j-simple 1.7.24

1.715 libgcrypt 1.5.3 12.el7_1.1

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* /opt/ws_local/PERMITS_SQL/1068640153_1594448142.28/0/spring-web-3-1-4-release-sources-jar/org/springframework/web/filter/Log4jNestedDiagnosticContextFilter.java
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* /opt/ws_local/PERMITS_SQL/1068640153_1594448142.28/0/spring-web-3-1-4-release-sources-jar/org/springframework/web/context/request/Log4jNestedDiagnosticContextInterceptor.java
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* /opt/ws_local/PERMITS_SQL/1068640153_1594448142.28/0/spring-web-3-1-4-release-sources-jar/org/springframework/web/multipart/support/StringMultipartFileEditor.java
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(For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.
5. A program that contains no derivative of any portion of the Library, but is designed to work with the Library by being compiled or linked with it, is called a "work that uses the Library". Such a work, in isolation, is not a derivative work of the Library, and therefore falls outside the scope of this License.

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
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with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
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that the user who changes the contents of definitions files in the
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@c %**start of header
@c All text is ignored before the setfilename.
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@c Version 2.1, February 1999
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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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1.721 jackson-jaxrs 2.11.2
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1.722 eclipse-persistence-antlr 2.5.0

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* /opt/cola/permits/1154644470_1618870926.16/0/decorator-3-4-0-1-tar-gz/decorator-3.4.0/src/decorator.py

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```python
try:
    from setuptools import setup
except ImportError:
    from distutils.core import setup
import os.path

def getversion(fname):
    """Get the __version__ reading the file: works both in Python 2.X and 3.X,
    whereas direct importing would break in Python 3.X with a syntax error""
    for line in open(fname):
        if line.startswith('__version__ '):
            return eval(line[13:])
    raise NameError('Missing __version__ in decorator.py')

VERSION = getversion(os.path.join(os.path.dirname(__file__), 'src/decorator.py'))

if __name__ == '__main__':
    setup(name='decorator',
          version=VERSION,
          description='Better living through Python with decorators',
          long_description=open('README.txt').read(),
          author='Michele Simionato',
          author_email='michele.simionato@gmail.com',
          url='http://pypi.python.org/pypi/decorator',
          license='BSD License',
          package_dir = {'' : 'src'},
          py_modules = ['decorator'],
          keywords='decorators generic utility',
          platforms=['All'],
          classifiers=['Development Status :: 5 - Production/Stable',
                        'Intended Audience :: Developers',
                        'License :: OSI Approved :: BSD License',
          ]
```
Decorator module
=================

:Author: Michele Simionato
:E-mail: michele.simionato@gmail.com
:Requires: Python 2.4+
:Download page: http://pypi.python.org/pypi/decorator
:Installation: `easy_install decorator`
:License: BSD license

Installation
-------------

If you are lazy, just perform

$ easy_install decorator

which will install just the module on your system. Notice that Python 3 requires the easy_install version of the distribute_ project.

If you prefer to install the full distribution from source, including the documentation, download the tarball, unpack it and run

$ python setup.py install

in the main directory, possibly as superuser.

.. _tarball: http://pypi.python.org/pypi/decorator
.. _distribute: http://packages.python.org/distribute/

Testing
-------

For Python 2.5, 2.6, 2.7 run
$ python documentation.py

for Python 3.X run

$ python documentation3.py

You will see a few innocuous errors with Python 2.5, because some inner details such as the introduction of the ArgSpec namedtuple and Thread.__repr__ changed. You may safely ignore them.

You cannot run the tests in Python 2.4, since there is a test using the with statement, but the decorator module is expected to work anyway (it has been used in production with Python 2.4 for years). My plan is to keep supporting all Python versions >= 2.4 in the core module, but I will keep the documentation and the tests updated only for the latest Python versions in both the 2.X and 3.X branches.

Finally, notice that you may run into trouble if in your system there is an older version of the decorator module; in such a case remove the old version.

Documentation
--------------

There are various versions of the documentation:

- `HTML version (Python 2)`_
- `PDF version (Python 2)`_

- `HTML version (Python 3)`_
- `PDF version (Python 3)`_


Repository
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The project is hosted on GoogleCode as a Mercurial repository. You can look at the source here:

http://code.google.com/p/micheles/source/browse/#hg%2Fdecorator

Found in path(s):
* /opt/cola/permits/1154644470_1618870926.16/0/decorator-3-4-0-1-tar-gz/decorator-3.4.0/README.txt
No license file was found, but licenses were detected in source scan.

Metadata-Version: 1.1
Name: decorator
Version: 3.4.0
Summary: Better living through Python with decorators
Home-page: http://pypi.python.org/pypi/decorator
Author: Michele Simionato
Author-email: michele.simionato@gmail.com
License: BSD License
Description: Decorator module

:Author: Michele Simionato
:E-mail: michele.simionato@gmail.com
:Requires: Python 2.4+
:Download page: http://pypi.python.org/pypi/decorator
:Installation: `easy_install decorator`
:License: BSD license

Installation

If you are lazy, just perform

$ easy_install decorator

which will install just the module on your system. Notice that
Python 3 requires the easy_install version of the distribute_ project.

If you prefer to install the full distribution from source, including
the documentation, download the tarball_, unpack it and run

$ python setup.py install

in the main directory, possibly as superuser.

.. _tarball: http://pypi.python.org/pypi/decorator
.. _distribute: http://packages.python.org/distribute/

Testing

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For Python 2.5, 2.6, 2.7 run

$ python documentation.py
for Python 3.X run

$ python documentation3.py

You will see a few innocuous errors with Python 2.5, because some
inner details such as the introduction of the ArgSpec namedtuple and
Thread.__repr__ changed. You may safely ignore them.

You cannot run the tests in Python 2.4, since there is a test using
the with statement, but the decorator module is expected to work
anyway (it has been used in production with Python 2.4 for years). My
plan is to keep supporting all Python versions >= 2.4 in the core
module, but I will keep the documentation and the tests updated only
for the latest Python versions in both the 2.X and 3.X branches.

Finally, notice that you may run into trouble if in your system there
is an older version of the decorator module; in such a case remove the
old version.

Documentation
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There are various versions of the documentation:

- `HTML version (Python 2)`_
- `PDF version (Python 2)`_

- `HTML version (Python 3)`_
- `PDF version (Python 3)`_


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Keywords: decorators generic utility
Platform: All
Classifier: Development Status :: 5 - Production/Stable
Classifier: Intended Audience :: Developers
Classifier: License :: OSI Approved :: BSD License
1.724 commons-lang3 3.2

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

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https://glassfish.dev.java.net/nonav/public/CDDL/GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------
Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

------
Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

1.728 jackson 2.6.6
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  jar/com/mastfrog/jackson/JacksonConfigurer.java
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  jar/com/mastfrog/jackson/DurationSerializationMode.java
* /opt/ws_local/PERMITS_SQL/1078139564_1597259690.4/0/jackson-2-6-6-sources-1-
  jar/com/mastfrog/jackson/LocaleJacksonConfigurer.java
* /opt/ws_local/PERMITS_SQL/1078139564_1597259690.4/0/jackson-2-6-6-sources-1-
  jar/com/mastfrog/jackson/JavaTimeConfigurer.java
* /opt/ws_local/PERMITS_SQL/1078139564_1597259690.4/0/jackson-2-6-6-sources-1-
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  jar/com/mastfrog/jackson/OptionalSerializer.java
  */opt/ws_local/PERMITS_SQL/1078139564_1597259690.4/0/jackson-2-6-6-sources-1-
  jar/com/mastfrog/jackson/OptionalJavaUtilSerializer.java

1.729 hibernate-validator 4.0.2.GA

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* /opt/cola/permits/1112122197_1607039212.19/0/hibernate-validator-4-0-2-ga-sources-1.jar/org/hibernate/validator/util/annotationfactory/package.html
* /opt/cola/permits/1112122197_1607039212.19/0/hibernate-validator-4-0-2-ga-sources-1.jar/org/hibernate/validator/xml/package.html
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* /opt/cola/permits/1112122197_1607039212.19/0/hibernate-validator-4-0-2-ga-sources-1.jar/org/hibernate/validator/util/package.html
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* /opt/cola/permits/1112122197_1607039212.19/0/hibernate-validator-4-0-2-ga-sources-1.jar/org/hibernate/validator/constraints/impl/PatternValidator.java
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* /opt/cola/permits/1112122197_1607039212.19/0/hibernate-validator-4-0-2-ga-sources-1-jar/org/hibernate/validator/engine/GlobalExecutionContext.java
* /opt/cola/permits/1112122197_1607039212.19/0/hibernate-validator-4-0-2-ga-sources-1-jar/org/hibernate/validator/util/LoggerFactory.java
* /opt/cola/permits/1112122197_1607039212.19/0/hibernate-validator-4-0-2-ga-sources-1-jar/org/hibernate/validator/engine/resolver/DefaultTraversableResolver.java
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* /opt/cola/permits/1112122197_1607039212.19/0/hibernate-validator-4-0-2-ga-sources-1-jar/org/hibernate/validator/constraints/impl/SizeValidatorForArraysOfChar.java
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1.730 xalan 2.7.1

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl
These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

------

MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

------
Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.732 xbean-spring 3.7

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* /opt/cola/permits/1136044940_1613664795.31/0/jcommander-1-48-sources-1-jar/com/beust/jcommander/converters/PathConverter.java
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1.735 annotations 1.3.2

1.736 commons-digester 1.8.1
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1.740 diffutils 3.3-4.el7

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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
  jar/io/netty/channel/embedded/EmbeddedChannelId.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
  jar/io/netty/channel/ReflectiveChannelFactory.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
  jar/io/netty/channel/ChannelFactory.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
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jar/io/netty/bootstrap/BootstrapConfig.java
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jar/io/netty/bootstrap/ServerBootstrapConfig.java
*/opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/SelectStrategy.java
*/opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/group/VoidChannelGroupFuture.java
*/opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/socket/DuplexChannel.java
*/opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-
jar/io/netty/channel/SelectStrategyFactory.java
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jar/io/netty/channel/ChannelOutboundInvoker.java
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jar/io/netty/bootstrap/AbstractBootstrapConfig.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/PreferHeapByteBufAllocator.java
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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/socket/SocketChannel.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/ChannelFuture.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/SucceededChannelFuture.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/local/LocalChannelRegistry.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/local/LocalServerChannel.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/nio/AbstractNioMessageChannel.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/ChannelPromise.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/ChannelPipelineException.java
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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/socket/oio/OioDatagramChannel.java
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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/package-info.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/nio/NioEventLoop.java
* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/AbstractChannelHandlerContext.java
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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/ChannelHandlerAdapter.java
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* /opt/ws_local/PERMITS_SQL/1018846573_1591376884.4/0/netty-transport-4-1-32-final-sources-jar/io/netty/channel/in/SelectedSelectionKeySet.java
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 */
/**
 * Handles an I/O event or intercepts an I/O operation, and forwards it to its next handler in
 * its \{@link ChannelPipeline\}.
 *
 * <h3>Sub-types</h3>
 * <p>
 * \{@link ChannelHandler\} itself does not provide many methods, but you usually have to implement one of its
 * subtypes:
 * <ul>
 * <li>\{@link ChannelInboundHandler\} to handle inbound I/O events, and</li>
 * <li>\{@link ChannelOutboundHandler\} to handle outbound I/O operations.</li>
 * </ul>
 * <p>
 * Alternatively, the following adapter classes are provided for your convenience:
 * <ul>
 * <li>\{@link ChannelInboundHandlerAdapter\} to handle inbound I/O events,</li>
 * <li>\{@link ChannelOutboundHandlerAdapter\} to handle outbound I/O operations, and</li>
 * <li>\{@link ChannelDuplexHandler\} to handle both inbound and outbound events</li>
 * </ul>
 * 
*/
For more information, please refer to the documentation of each subtype.

The context object

A `@link ChannelHandler` is provided with a `@link ChannelHandlerContext` object. A `@link ChannelHandler` is supposed to interact with the `@link ChannelPipeline` it belongs to via a context object. Using the context object, the `@link ChannelHandler` can pass events upstream or downstream, modify the pipeline dynamically, or store the information (using `@link AttributeKey` s) which is specific to the handler.

State management

A `@link ChannelHandler` often needs to store some stateful information. The simplest and recommended approach is to use member variables:

```java
public interface Message {
    // your methods here
}

public class DataServerHandler extends `@link SimpleChannelInboundHandler<Message>` {
    private boolean loggedIn;

    @Override
    public void channelRead0(`@link ChannelHandlerContext` ctx, Message message) {
        if (message instanceof LoginMessage) {
            authenticate((LoginMessage) message);
            loggedIn = true;
        } else if (message instanceof GetDataMessage) {
            if (loggedIn) {
                ctx.writeAndFlush(fetchSecret((GetDataMessage) message));
            } else {
                fail();
            }
        }
    }
    ...
}
```

Because the handler instance has a state variable which is dedicated to one connection, you have to create a new handler instance for each new channel to avoid a race condition where a unauthenticated client can get the confidential information:
* // Create a new handler instance per channel.
* // See [@link ChannelInitializer#initChannel(Channel)].
* public class DataServerInitializer extends [@link ChannelInitializer]&lt;[@link Channel]&gt; { 
*  { @code @Override }
*  public void initChannel([@link Channel] channel) { 
*   channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
*  }
* }
* }
* </pre>
* *
* <h4>Using [@link AttributeKey]s</h4>
* *
* Although it's recommended to use member variables to store the state of a
* handler, for some reason you might not want to create many handler instances.
* In such a case, you can use [@link AttributeKey]s which is provided by
* [@link ChannelHandlerContext]:
* <pre>
* public interface Message { 
*  // your methods here 
* }
* }
* *
* { @code @Sharable }
* public class DataServerHandler extends [@link SimpleChannelInboundHandler]&lt;Message&gt; { 
*  private final [@link AttributeKey]&lt;[@link Boolean]&gt; auth = 
*   { @link AttributeKey#valueOf(String) AttributeKey.valueOf("auth")};
*  }
* *
* { @code @Override }
* public void channelRead([@link ChannelHandlerContext] ctx, Message message) { 
*  { @link Attribute}&lt;[@link Boolean]&gt; attr = ctx.attr(auth);
*  if (message instanceof LoginMessage) {
*   authenticate((LoginMessage) o);
*   attr.set(true);
*  } else (message instanceof GetDataMessage) { 
*   if (<b>Boolean.TRUE.equals(attr.get())</b>) { 
*    ctx.writeAndFlush(fetchSecret((GetDataMessage) o));
*   } else { 
*    fail();
*   }
*  }
*  }
* }
* ...
* }
* </pre>
* Now that the state of the handler is attached to the [@link ChannelHandlerContext], you can add the
* same handler instance to different pipelines:
* <pre>
* public class DataServerInitializer extends [@link ChannelInitializer]&lt;[@link Channel]&gt; { 
*  { @code @Override }
*  public void initChannel([@link Channel] channel) { 
*   channel.pipeline().addLast("handler", <b>new DataServerHandler()</b>);
*  }
*  }
* </pre>
private static final DataServerHandler SHARED = new DataServerHandler();

@code @Override
public void initChannel(@link Channel) channel { 
    channel.pipeline().addLast("handler", SHARED);
}

The {code @Sharable} annotation

In the example above which used an {link AttributeKey},
you might have noticed the {code @Sharable} annotation.

If a {link ChannelHandler} is annotated with the {code @Sharable}
annotation, it means you can create an instance of the handler just once and
add it to one or more {link ChannelPipeline}s multiple times without
a race condition.

If this annotation is not specified, you have to create a new handler
instance every time you add it to a pipeline because it has unshared state
such as member variables.

This annotation is provided for documentation purpose, just like

Additional resources worth reading

Please refer to the {link ChannelHandler}, and
{link ChannelPipeline} to find out more about inbound and outbound operations,
what fundamental differences they have, how they flow in a pipeline, and how to handle
the operation in your application.

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- /opt/cola/permits/1135846330_1613614042.95/0/spring-core-3-0-3-release-sources-3.jar/org/springframework/core/enums/LabeledEnum.java
- /opt/cola/permits/1135846330_1613614042.95/0/spring-core-3-0-3-release-sources-3.jar/org/springframework/core/enums/StaticLabeledEnumResolver.java
- /opt/cola/permits/1135846330_1613614042.95/0/spring-core-3-0-3-release-sources-3.jar/org/springframework/core/enums/AbstractGenericLabeledEnum.java
* /opt/cola/permits/1135846330_1613614042.95/0/spring-core-3-0-3-release-sources-3.jar/org/springframework/core/task/SyncTaskExecutor.java
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  */opt/cola/permits/1135846330_1613614042.95/0/spring-core-3-0-3-release-sources-3-jar/org/springframework/core/DecoratingClassLoader.java
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* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-jar/org/hibernate/validator/validator/internal/constraintvalidators/bv/size/SizeValidatorForArraysOfShort.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-jar/org/hibernate/validator/validator/internal/constraintvalidators/bv/size/SizeValidatorForArraysOfBoolean.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-jar/org/hibernate/validator/validator/internal/engine/constraintvalidation/ConstraintValidatorFactoryImpl.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-jar/org/hibernate/validator/validator/internal/metadata/facets/Cascadable.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-jar/org/hibernate/validator/validator/resourceloading/AggregateResourceBundleLocator.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-jar/org/hibernate/validator/validator/constraints/Currency.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-jar/org/hibernate/validator/validator/engine/HibernateConstraintViolation.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-jar/org/hibernate/validator/validator/constraints/Mod11Check.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-jar/org/hibernate/validator/validator/internal/engine/messageinterpolation/util/InterpolationHelper.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-jar/org/hibernate/validator/validator/internal/util/scriptengine/ScriptEvaluator.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-jar/org/hibernate/validator/validator/internal/util/classhierarchy/Filter.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4-jar/org/hibernate/validator/validator/internal/engine/constraintvalidation/ConstraintViolationCreationContext.java

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* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4.jar/org/hibernate-validator/internal/engine/messageinterpolation/parser/EScapedState.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4.jar/org/hibernatevalidator/internal/constraintvalidators/bv/DecimalMaxValidatorForNumber.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4.jar/org/hibernatevalidator/internal/util/privilegedactions/GetDeclaredConstructors.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4.jar/org/hibernatevalidator/internal/utils/ReflectionHelper.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4.jar/org/hibernatevalidator/internal/metadata/provider/ProgrammaticMetaDataProvider.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4.jar/org/hibernatevalidator/internal/config/context/ExecutableConstraintMappingContextImpl.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4.jar/org/hibernatevalidator/internal/engine/resolver/CachingTraversableResolverForSingleValidation.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4.jar/org/hibernatevalidator/spi/valuehandling/ValidatedValueUnwrapper.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4.jar/org/hibernatevalidator/cfg/defs/DigitsDef.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4.jar/org/hibernatevalidator/internal/engine/messageinterpolation/InterpolationTerm.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4.jar/org/hibernatevalidator/internal/metadata/raw/AbstractConstrainedElement.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4.jar/org/hibernatevalidator/messageinterpolation/HibernateMessageInterpolatorContext.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4.jar/org/hibernatevalidator/internal/constraintvalidators/bv/future/FutureValidatorForDate.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4.jar/org/hibernatevalidator/internal/constraintvalidators/bv/future/FutureValidatorForReadablePartial.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4.jar/org/hibernatevalidator/internal/constraintvalidators/bv/size/SizeValidatorForArraysOfInt.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4.jar/org/hibernatevalidator/spi/cfg/ConstraintMappingContributor.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4.jar/org/hibernatevalidator/spi/response/ValidatingResponseEvaluator.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4.jar/org/hibernatevalidator/cfg/defs/pl/PESELDef.java
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4.jar/org/hibernatevalidator/messageinterpolation/parser/ELState.java
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 *
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 */

/**
 * A method-level constraint, that evaluates a script expression against the
 * annotated method or constructor. This constraint can be used to implement
 * validation routines that depend on several parameters of the annotated
 * executable.
 */

/*
Script expressions can be written in any scripting or expression language,
for which a <a href="http://jcp.org/en/jsr/detail?id=223">JSR 223</a>
("Scripting for the Java<sup>TM</sup> Platform") compatible engine can be
found on the classpath. To refer to a parameter within the scripting
expression, use its name as obtained by the active
[@link javax.validation.ParameterNameProvider]. By default, [@code arg0], [@code arg1] etc.
will be used as parameter names.
*/
The following listing shows an example using the JavaScript engine which comes with the JDK:

```java
@ParameterScriptAssert(script = "arg0.before(arg1)", lang = "javascript")
public void createEvent(Date start, Date end) { ... }
```

Can be specified on any method or constructor.

* @author Gunnar Morling
*/

Found in path(s):
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4.jar/org/hibernate/validation/constraints/ParameterScriptAssert.java
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 */

Found in path(s):
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5.4.2-final-sources-4.jar/org/hibernate/validation/internal/util/TypeHelper.java
No license file was found, but licenses were detected in source scan.

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 *
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 */
/**
 * Retrieves constraint related meta data for the parameters of the given
 * executable.
 *
 * @param executable The executable of interest.
 *
 * @return A list with parameter meta data for the given executable.
 */

Found in path(s):
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
  jar/org/hibernate/validation/overview.html
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
  jar/org/hibernate/validation/core/package.html
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
  jar/org/hibernate/validation/group/package.html
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
  jar/org/hibernate/validation/configuration/package.html
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
  jar/org/hibernate/validation/context/package.html
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
  jar/org/hibernate/validation/context/resolver/package.html
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
  jar/org/hibernate/validation/context/resolver/annotationfactory/package.html

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Found in path(s):
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  jar/org/hibernate/validation/configuration/package.html
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
  jar/org/hibernate/validation/configuration/aggregated/package.html
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
  jar/org/hibernate/validation/configuration/merged/package.html
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
  jar/org/hibernate/validation/configuration/resolver/package.html
* /opt/cola/permits/1120504300_1609978367.54/0/hibernate-validator-5-4-2-final-sources-4-
  jar/org/hibernate/validation/configuration/resolver/annotationfactory/package.html
1.768 esapi 2.0.1

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 * @author Jeff Williams &lt;a href="http://www.aspectsecurity.com">Aspect Security&lt;/a&gt;
 * @created 2007
 */

1.769 metrics-jvm 4.0.5

1.770 dnsmasq 2.76-5.el7

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Upstream Authors: Douglas Gilbert <dgilbert at interlog dot com>,
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        Peter Allworth <linsol at zeta dot org dot au>,
        James Bottomley <jejb at parisc-linux dot org>,
        Lars Marowsky-Bree <lmb at suse dot de>,
        Kurt Garloff <garloff at suse dot de>,
        Grant Grundler <grundler at parisc-linux dot org>,
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        Michael Weller <eowmob at exp-math dot uni-essen dot de>,
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Douglas Gilbert
10th April 2012
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Upstream Authors: Douglas Gilbert <dgilbert at interlog dot com>,

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Bruce Allen <ballen at gravity dot phys dot uwm dot edu>,
Peter Allworth <linsol at zeta dot org dot au>,
James Bottomley <jejb at parisc-linux dot org>,
Lars Marowsky-Bree <imb at suse dot de>,
Kurt Garloff <garloff at suse dot de>,
Grant Grundler <grundler at parisc-linux dot org>,
Christophe Varoqui <christophe dot varoqui at free dot fr>,
Michael Weller <eowmob at exp-math dot uni-essen dot de>,
Eric Youngdale <eric at andante dot org>,

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message
The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl
The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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1.778 libverto 0.2.5

1.779 vim 7.4.160-5.el7
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will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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

That's all there is to it!
*uganda.txt* For Vim version 8.1. Last change: 2018 May 17

VIM REFERENCE MANUAL by Bram Moolenaar

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SUMMARY
*iccf* *ICCF*
Vim is Charityware. You can use and copy it as much as you like, but you are
couraged to make a donation for needy children in Uganda. Please see |kcc|
below or visit the ICCF web site, available at these URLs:

http://iccf-holland.org/
http://www.vim.org/iccf/
http://www.iccf.nl/

You can also sponsor the development of Vim. Vim sponsors can vote for
features. See [sponsor]. The money goes to Uganda anyway.

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c) Provide all the changes, including source code, with every copy of the modified Vim you distribute. This may be done in the form of a context diff. You can choose what license to use for new code you add. The changes and their license must not restrict others from making their own changes to the official version of Vim.

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- You keep the changes for at least three years after last distributing the corresponding modified Vim. When the maintainer or someone who you distributed the modified Vim to asks you (in any way) for the changes within this period, you must make them available to him.
- You clearly describe in the distribution how to contact you. This contact information must remain valid for at least three years after last distributing the corresponding modified Vim, or as long as possible.

e) When the GNU General Public License (GPL) applies to the changes, you can distribute the modified Vim under the GNU GPL version 2 or any later version.

3) A message must be added, at least in the output of the ":version" command and in the intro screen, such that the user of the modified Vim is able to see that it was modified. When distributing as mentioned under 2)e) adding the message is only required for as far as this does not conflict with the license used for the changes.
4) The contact information as required under 2)a) and 2)d) must not be removed or changed, except that the person himself can make corrections.

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=== end of license ===

Note:

- If you are happy with Vim, please express that by reading the rest of this file and consider helping needy children in Uganda.

- If you want to support further Vim development consider becoming a sponsor. The money goes to Uganda anyway.

- According to Richard Stallman the Vim license is GNU GPL compatible. A few minor changes have been made since he checked it, but that should not make a difference.

- If you link Vim with a library that goes under the GNU GPL, this limits further distribution to the GNU GPL. Also when you didn't actually change anything in Vim.

- Once a change is included that goes under the GNU GPL, this forces all further changes to also be made under the GNU GPL or a compatible license.

- If you distribute a modified version of Vim, you can include your name and contact information with the "--with-modified-by" configure argument or the MODIFIED_BY define.

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

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

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

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

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

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

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

*donate*

Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:
1. Sponsor a child in primary school: 17 euro a month (or more).
2. Sponsor a child in secondary school: 25 euro a month (or more).
3. Sponsor the clinic: Any amount a month or quarter
4. A one-time donation

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

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Furthermore, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

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

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money:*iccf-donations*

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

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children's Fund (KCF) in Surrey, Canada. They take care of the Canadian sponsors for the children in Kibaale. KCF forwards 100% of the money to the project in Uganda. You can send them a one time donation directly. Please send me a note so that I know what has been donated because of Vim. Ask KCF for information about sponsorship.
Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
If you make a donation to Kibaale Children's Fund (KCF) you will receive a tax receipt which can be submitted with your tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse. This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return. Check the ICCF web site for the latest information: http://iccf-holland.org/germany.html

World: Use a postal money order. That should be possible from any country, mostly from the post office. Use this name (which is in my passport): "Abraham Moolenaar". Use Euro for the currency if possible.

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

Credit Card: You can use PayPal to send money with a Credit card. This is the most widely used Internet based payment system. It's really simple to use. Use this link to find more info: https://www.paypal.com/en_US/mrb/pal=XAC62PML3GF8Q
The e-mail address for sending the money to is:
Bram@iccf-holland.org
For amounts above 400 Euro ($500) sending a check is preferred.

Others: Transfer to one of these accounts if possible:
Postbank, account 4548774
Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
under the name "stichting ICCF Holland", Lisse
If that doesn't work:
Rabobank Lisse, account 3765.05.117
Swift code: RABO NL 2U
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Otherwise, send a check in euro or US dollars to the address below. Minimal amount: $70 (my bank does not accept smaller amounts for foreign check, sorry)
Address to send checks to:
Bram Moolenaar
Finsterrueihof 1
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vim:tw=78:ts=8:noet:ft=help:norl:
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                     (XPM - X PixMap format version 2 & 3)
                     Internet:      lehors@sophia.inria.fr
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1.780 jackson-dataformat-yaml 2.9.8

1.780.1 Available under license :

# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
been in development since 2007.
It is currently developed by a community of developers, as well as supported
commercially by FasterXML.com.

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1.781 nimbus-jose-jwt 4.34.2

1.781.1 Available under license:

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1.782 chf-http-core 21.0.0-alpha-23

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1.788 jersey-container-servlet-core 2.25.1

1.789 asm 7.0

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* /opt/cola/permits/1136647730_1613845975.53/0/asm-7-0-sources-4-jar/org/objectweb/asm/MethodTooLargeException.java
* /opt/cola/permits/1136647730_1613845975.53/0/asm-7-0-sources-4-jar/org/objectweb/asm/ConstantDynamic.java
* /opt/cola/permits/1136647730_1613845975.53/0/asm-7-0-sources-4-jar/org/objectweb/asm/ClassVisitor.java
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* /opt/cola/permits/1136647730_1613845975.53/0/asm-7-0-sources-4-jar/org/objectweb/asm/CurrentFrame.java
* /opt/cola/permits/1136647730_1613845975.53/0/asm-7-0-sources-4-jar/org/objectweb/asm/Type.java
* /opt/cola/permits/1136647730_1613845975.53/0/asm-7-0-sources-4-jar/org/objectweb/asm/Attribute.java
* /opt/cola/permits/1136647730_1613845975.53/0/asm-7-0-sources-4-jar/org/objectweb/asm/signature/SignatureReader.java
* /opt/cola/permits/1136647730_1613845975.53/0/asm-7-0-sources-4-jar/org/objectweb/asm/AnnotationWriter.java
* /opt/cola/permits/1136647730_1613845975.53/0/asm-7-0-sources-4-jar/org/objectweb/asm/Frame.java
* /opt/cola/permits/1136647730_1613845975.53/0/asm-7-0-sources-4-jar/org/objectweb/asm/ByteVector.java
* /opt/cola/permits/1136647730_1613845975.53/0/asm-7-0-sources-4-jar/org/objectweb/asm/Symbol.java
* /opt/cola/permits/1136647730_1613845975.53/0/asm-7-0-sources-4-jar/org/objectweb/asm/MethodVisitor.java
* /opt/cola/permits/1136647730_1613845975.53/0/asm-7-0-sources-4-jar/org/objectweb/asm/ClassTooLargeException.java
* /opt/cola/permits/1136647730_1613845975.53/0/asm-7-0-sources-4-jar/org/objectweb/asm/Edge.java
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* /opt/cola/permits/1136647730_1613845975.53/0/asm-7-0-sources-4-jar/org/objectweb/asm/TypeReference.java
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1.790 kerberos 1.18.3-r1

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cmd/krb5/kproplog/kproplog.c
cmd/krb5/slave/kpropd_rpc.c
lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mach/gssapiP_spnego.h
lib/gss_mechs/mech_spnego/mach/spnego_mech.c
lib/krb5/kadm5/kadm_host_srv_names.c
lib/krb5/kdb/kdb_convert.c
lib/krb5/kdb/kdb_hdr.h
lib/krb5/kdb/kdb_log.c
lib/krb5/kdb/kdb_log.h
lib/gss/g_accept_sec_context.c
lib/libgss/g_acquire_cred.c
lib/libgss/g_canon_name.c
lib/libgss/g_compare_name.c
lib/libgss/g_context_time.c
lib/libgss/g_delete_sec_context.c
lib/libgss/g_dsp_name.c
lib/libgss/g_dsp_status.c
lib/libgss/g_dup_name.c
lib/libgss/g_exp_sec_context.c
lib/libgss/g_export_name.c
lib/libgss/g_glue.c
lib/libgss/g_imp_name.c
lib/libgss/g_imp_sec_context.c
lib/libgss/g_init_sec_context.c
lib/libgss/g_initialize.c
lib/libgss/g_inquire_context.c
lib/libgss/g_inquire_cred.c
lib/libgss/g_inquire_names.c
lib/libgss/g_process_context.c
lib/libgss/g_rel_buffer.c
lib/libgss/g_rel_cred.c
lib/libgss/g_rel_name.c
lib/libgss/g_rel_oid_set.c
lib/libgss/g_seal.c
lib/libgss/g_sign.c
lib/libgss/g_store_cred.c
lib/libgss/g_unseal.c
lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
lib/gssapi/mechglue/mglueP.h
lib/gssapi/mechglue/oid_ops.c
lib/gssapi/spnego/gssapiP_spnego.h
lib/gssapi/spnego/spnego_mech.c

and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/prop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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  jar/org/apache/commons/logging/impl/LogFactoryImpl.java
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* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-
jar/org/springframework/aop/framework/adapter/UnknownAdviceTypeException.java
* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-
jar/org/springframework/aop/target/PoolingConfig.java
* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-
jar/org/springframework/aop/target/ThreadLocalTargetSourceStats.java
* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-
jar/org/springframework/aop/interceptor/ConcurrencyThrottleInterceptor.java
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* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-
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jar/org/springframework/aop/framework/support/DynamicMethodMatcherPointcut.java
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jar/org/springframework/aop/framework/support/MethodBeforeAdvice.java
* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-
jar/org/springframework/aop/framework/autoproxy/TargetSourceCreator.java
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* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/support/DelegatePerTargetObjectIntroductionInterceptor.java
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* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources-jar/org/springframework/aop/framework/AbstractSingletonProxyFactoryBean.java
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* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources.jar/org/springframework/aop/framework/AopConfigException.java
* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources.jar/org/springframework/aop/aspectj/AspectJPrecedenceInformation.java
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* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources.jar/org/springframework/aop/interceptor/DebugInterceptor.java
* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources.jar/org/springframework/aop/interceptor/JamonPerformanceMonitorInterceptor.java
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* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources.jar/org/springframework/aop/support/NameMatchMethodPointcutAdvisor.java
* /opt/ws_local/PERMITS_SQL/1068640167_1594426188.78/0/spring-aop-3-1-4-release-sources.jar/org/springframework/aop/framework/AopInvocationException.java
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* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb.tar.gz/Tangdixi-DCPathButton-39be410/Example/Example/BarButtonItemViewController.h
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Pod::Spec.new do |s|
  s.name         = "DCPathButton"
  s.version      = "2.1.1"
  s.summary      = "A beautiful button copy from Path®"
  s.description  = <<-DESC
  DCPathButton is a menu button, design by an famous App Path®. Since Path® 4.0, it return to use a tab bar instead of a side bar, and also change the menu button. So I try to implement it and then the DCPathButton born :) DESC
  s.homepage     = "https://github.com/Tangdixi/DCPathButton"
  s.license      = {
    :type => 'MIT',
    :text => 'The DCPathButton use the MIT license'
  }
  s.author       = { "Tangdixi" => "Tangdixi@gmail.com" }
  s.platform     = :ios, '7.0'
  s.source       = {
    :git => "https://github.com/Tangdixi/DCPathButton.git",
    :tag => "2.1.1"
  }
  s.source_files = 'DCPathButton/Classes/*.h,m'
end
s.resources = ['DCPathButton/Sounds/*']

s.frameworks = 'QuartzCore','AudioToolbox'

s.requires_arc = true

dir

Found in path(s):
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/TangdixiDCPathButton-39be410/DCPathButton.podspec

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# Acknowledgements
This application makes use of the following third party libraries:

## DCPathButton

The DCPathButton use the MIT license

Generated by CocoaPods - http://cocoapods.org

Found in path(s):
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/TangdixiDCPathButton-39be410/Example/Pods/Target Support Files/Pods/Pods-acknowledgements.markdown

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* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/TangdixiDCPathButton-39be410/README.md
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/TangdixiDCPathButton-39be410/Example/Example/ViewController.m
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/TangdixiDCPathButton-39be410/Example/ExampleTests/ExampleTests.m
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/TangdixiDCPathButton-39be410/Example/ExampleTests/ExampleTests.m
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/TangdixiDCPathButton-39be410/Example/Example/ViewController.m

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Found in path(s):
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/TangdixiDCPathButton-39be410/Example/Pods/DCPathButton/DCPathButton/Classes/DCPathItemButton.h
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/TangdixiDCPathButton-39be410/Example/Pods/DCPathButton/DCPathButton/Classes/DCPathItemButton.m
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/TangdixiDCPathButton-39be410/Example/Pods/DCPathButton/Classes/DCPathItemButton.m
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/TangdixiDCPathButton-39be410/Example/Pods/DCPathButton/Classes/DCPathItemButton.h

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DCPathButton-39be410/Example/Example/ViewController.h
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-
DCPathButton-39be410/Example-Swift/DCPathButton/Classes/DCPathButton.h
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-
DCPathButton-39be410/DCPathButton/Classes/DCPathButton.h
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-
DCPathButton-39be410/Example/Example/main.m
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-
DCPathButton-39be410/Example-Swift/DCPathButton/Classes/DCPathButton.m
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-
DCPathButton-39be410/DCPathButton/Classes/DCPathButton.m
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-
DCPathButton-39be410/Example-Pods/DCPathButton/DCPathButton/Classes/DCPathButton.m
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-
DCPathButton-39be410/Example-Pods/DCPathButton/DCPathButton/Classes/DCPathButton.h
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-
DCPathButton-39be410/Example/AppDelegate.m
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-
DCPathButton-39be410/Example-Swift/DCPathButton/Classes/DCPathButtonItem.h
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-
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* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-
DCPathButton-39be410/Example/Pods/DCPathButton/DCPathButton/Classes/DCPathButtonItem.m
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-
DCPathButton-39be410/Example-Swift/DCPathButton/DCPathButton/Classes/DCPathButtonItem.m
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-
DCPathButton-39be410/Example/AppDelegate.h
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-
DCPathButton-39be410/Example/Pods/DCPathButton/DCPathButton/Classes/DCPathButtonItem.h
* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-
DCPathButton-39be410/DCPathButton/Classes/DCPathButtonItem.h
* /opt/ cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-
DCPathButton-39be410/DCPathButton/Classes/DCPathButtonItem.m

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* /opt/cola/permits/1000748847_1607109746.66/0/tangdixi-dcpathbutton-2-1-3-0-ge4b13fb-tar-gz/Tangdixi-
DCPathButton-39be410/LISENCE

1.797 mkfontscale 1.2.1-r1

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 */

# Automatically generated by apkbuild-cpan, template 1
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Valery Kartel <valery.kartel@gmail.com>
pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=1
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="http://search.cpan.org/dist/BSD-Resource/
arch="all"
license="GPL PerlArtistic"
cpandepends=""
cpanmakedepends=""
depends="$cpandepends"
makedepend="perl-dev $cpanmakedepends"
subpackages="$pkgname-doc"
source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

builddir="$srcdir/$_pkgreal-$pkgver"

prepare() {
}
default_prepare

cd "$builddir"
export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
  cd "$builddir"
  export CFLAGS=`perl -MConfig -E 'say $Config{ccflags}'`
  make
}

check() {
  cd "$builddir"
  make test
}

package() {
  cd "$builddir"
  make DESTDIR="$pkgdir" install
  find "$pkgdir" \( -name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb6b2067daedaf53bd15f6561a3d0f828df16
dfa5417f663b8065ba65f4e16dc9262728b3b6b85  BSD-Resource-1.2911.tar.gz"
# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>
pkgname=spdx-licenses
pkgver=3.5
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check"
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"
_types="html json rdfa rdftnt rdfturtle rdfxml template text"

for type in $_types; do
  subpackages="$subpackages $pkgname-$type:_subpkg"
done

build() {
  cd "$builddir"
package() {
    mkdir -p "$pkgdir"
}

__subpkg() {
    local type=${subpkgname/$pkgname-/}
    pkgdesc="$pkgdesc ($type)"
    install_if="$pkgname"
    mkdir -p "$subpkgdir"/usr/share/spdx
    cp -r "$builddir"/"$type" "$subpkgdir"/usr/share/spdx/
}

list() {
    pkgdesc="$pkgdesc (licence list)"
    mkdir -p "$subpkgdir"/usr/share/spdx
    local i; for i in $builddir/text/*.txt; do
        local license=${i##*/}
        echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
    done
}

sha512sums="4b4bcede554ee69e9e0703152a2d09e2a3e49314718d6b7e0847c0dff6a989d5d4684d152e899e8bbb3b a2767ded027eacfefeb6aeccf945ef2c5aa933cfd2ec license-list-data-3.5.tar.gz"

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Charlotte, NC 28269
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# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>
pkgname=py-flake8-copyright
__pkgname=flake8-copyright
pkgver=0.2.0
pkgrel=2
pkgdesc="Extension for flake8 which checks for copyrights"
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="flake8"
makedepends="python3-dev"
source="https://files.pythonhosted.org/packages/source/${__pkgname:0:1}/${__pkgname}/${__pkgname}-${pkgver}.tar.gz"
builddir="${S}"

build() {
    cd "$builddir"
python3 setup.py build || return 1
}

cd "$builddir"
python3 setup.py install --prefix=/usr --root="$pkgdir" || return 1
}

md5sums="c6348990c6d74933bf5d5f6a55a14bdf  flake8-copyright-0.2.0.tar.gz"
sha256sums="aeef26eb4d5223c9ed5b101e68175fcef6d2b353bf36da688fdde62fcfefe2b73  flake8-copyright-0.2.0.tar.gz"
sha512sums="bab1bfaeed3a525ac3c7da12b1f2ec338c204cc69b72d05cd39560e528faff5d586c3b1be9570f4a977a7e2417b586e543bfa12abc256b2023c8c4993eeb90  flake8-copyright-0.2.0.tar.gz"

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pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=5
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/
arch="all"
options="!check" # No test suite.
license="LGPL-2.0+"
depends=
makedepends=
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2
"

builddir="$srcdir/libart_lgpl-$pkgver"

prepare() {
  cd "$builddir"
update_config_sub
default_prepare
}

build() {
  cd "$builddir"
  ./configure \
    --build=$CBUILD \ 
    --host=$CHOST \ 
    --prefix=/usr
  make
}

package() {
  cd "$builddir"
  make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ecf5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba28f7e76654309e001aee9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"
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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
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interface-compatible with the version that the work was made with.

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

A "Standard Interface" means an interface that either is an official standard defined by a recognized standards body, or, in the case of interfaces specified for a particular programming language, one that is widely used among developers working in that language.

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b) Convey the object code in, or embodied in, a physical product (including a physical distribution medium), accompanied by a written offer, valid for at least three years and valid for as long as you offer spare parts or customer support for that product model, to give anyone who possesses the object code either (1) a copy of the Corresponding Source for all the software in the product that is covered by this License, on a durable physical medium customarily used for software interchange, for a price no more than your reasonable cost of physically performing this conveying of source, or (2) access to copy the Corresponding Source from a network server at no charge.

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d) Convey the object code by offering access from a designated place (gratis or for a charge), and offer equivalent access to the Corresponding Source in the same way through the same place at no further charge. You need not require recipients to copy the Corresponding Source along with the object code. If the place to copy the object code is a network server, the Corresponding Source may be on a different server (operated by you or a third party) that supports equivalent copying facilities, provided you maintain clear directions next to the object code saying where to find the Corresponding Source. Regardless of what server hosts the Corresponding Source, you remain obligated to ensure that it is available for as long as needed to satisfy these requirements.

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The requirement to provide Installation Information does not include a requirement to continue to provide support service, warranty, or updates for a work that has been modified or installed by the recipient, or for the User Product in which it has been modified or installed. Access to a network may be denied when the modification itself materially and adversely affects the operation of the network or violates the rules and protocols for communication across the network.

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications
are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay
The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.805 libvisual 0.4.0-16.el7

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1.811 openjdk-jre 1.8.0u262

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  * /opt/cola/permits/1136647954_1613845927.36/0/ognl-3-2-10-sources-4-jar/ognl/ASTStaticField.java
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/**
 * Thrown during bytecode enhancement conversions of ognl expressions to indicate
 * that a certain expression isn't currently supported as a pure java bytecode enhanced
 * version.
 * *
 * @author jkuhnert
 */

Found in path(s):
* /opt/cola/permits/1136647954_1613845927.36/0/ognl-3-2-10-sources-4-jar/ognl/enhance/UnsupportedCompilationException.java

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1.829 xmlsec-java 1.5.6

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1.830 eclipse-persistence asm 2.5.0

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1.838 openssl 1.0.2j

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user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2)
will operate properly with a modified version of the library, if
the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy
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1.842 aspect-j 1.6.1

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1.844 free-type 2.4.11
1.845 libjpeg 6b

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The Independent JPEG Group's JPEG software

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README for release 6b of 27-Mar-1998
=========================================

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Serious users of this software (particularly those incorporating it into larger programs) should contact IJG at jpeg-info@uunet.uu.net to be added to our electronic mailing list. Mailing list members are notified of updates and have a chance to participate in technical discussions, etc.

This software is the work of Tom Lane, Philip Gladstone, Jim Boucher, Lee Crocker, Julian Minguillon, Luis Ortiz, George Phillips, Davide Rossi, Guido Vollbeding, Ge' Weijers, and other members of the Independent JPEG Group.

IJG is not affiliated with the official ISO JPEG standards committee.

DOCUMENTATION ROADMAP
=======================

This file contains the following sections:

OVERVIEW            General description of JPEG and the IJG software.
LEGAL ISSUES        Copyright, lack of warranty, terms of distribution.
REFERENCES          Where to learn more about JPEG.
ARCHIVE LOCATIONS   Where to find newer versions of this software.
RELATED SOFTWARE    Other stuff you should get.
FILE FORMAT WARS    Software *not* to get.
TO DO               Plans for future IJG releases.

Other documentation files in the distribution are:

User documentation:
install.doc         How to configure and install the IJG software.
usage.doc           Usage instructions for cjpe, djpe, jpe, rdjpecom, and wrjpecom.
*.*  Unix-style man pages for programs (same info as usage.doc).
wizard.doc  Advanced usage instructions for JPEG wizards only.
change.log  Version-to-version change highlights.

Programmer and internal documentation:
libjpeg.doc  How to use the JPEG library in your own programs.
example.c   Sample code for calling the JPEG library.
structure.doc  Overview of the JPEG library's internal structure.
filelist.doc  Road map of IJG files.
coderules.doc  Coding style rules --- please read if you contribute code.

Please read at least the files install.doc and usage.doc. Useful information
can also be found in the JPEG FAQ (Frequently Asked Questions) article. See
ARCHIVE LOCATIONS below to find out where to obtain the FAQ article.

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

OVERVIEW
========

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

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

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

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

The emphasis in designing this software has been on achieving portability and flexibility, while also making it fast enough to be useful. In particular, the software is not intended to be read as a tutorial on JPEG. (See the REFERENCES section for introductory material.) Rather, it is intended to be reliable, portable, industrial-strength code. We do not claim to have achieved that goal in every aspect of the software, but we strive for it.

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============

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that you must include source code if you redistribute it. (See the file
ansi2knr.c for full details.) However, since ansi2knr.c is not needed as part
of any program generated from the IJG code, this does not limit you more than
the foregoing paragraphs do.

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

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

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

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

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

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


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

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

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

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

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

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

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

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

You can also obtain this software in DOS-compatible "zip" archive format from the SimTel archives (ftp://ftp.simtel.net/pub/simtelnet/msdos/graphics/), or on CompuServe in the Graphics Support forum (GO CIS:GRAPHSUP), library 12 "JPEG Tools". Again, these versions may sometimes lag behind the ftp.uu.net release.

The JPEG FAQ (Frequently Asked Questions) article is a useful source of general information about JPEG. It is updated constantly and therefore is not included in this distribution. The FAQ is posted every two weeks to Usenet newsgroups comp.graphics.misc, news.answers, and other groups. It is available on the World Wide Web at http://www.faqs.org/faqs/jpeg-faq/ and other news.answers archive sites, including the official news.answers archive at rtfm.mit.edu: ftp://rtfm.mit.edu/pub/usenet/news.answers/jpeg-faq/.

If you don't have Web or FTP access, send e-mail to mail-server@rtfm.mit.edu with body

send usenet/news.answers/jpeg-faq/part1
send usenet/news.answers/jpeg-faq/part2

RELATED SOFTWARE

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

If you are on a Unix machine, we highly recommend Jef Poskanzer's free PBMPLUS software, which provides many useful operations on PPM-format image files. In particular, it can convert PPM images to and from a wide range of other formats, thus making cjpeg/djpeg considerably more useful. The latest version is distributed by the NetPBM group, and is available from numerous sites, notably ftp://wuarchive.wustl.edu/graphics/graphics/packages/NetPBM/.

Unfortunately PBMPLUS/NETPBM is not nearly as portable as the IJG software is; you are likely to have difficulty making it work on any non-Unix machine.

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

FILE FORMAT WARS
=================

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

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

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

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

TO DO
=====

The major thrust for v7 will probably be improvement of visual quality.
The current method for scaling the quantization tables is known not to be
very good at low Q values. We also intend to investigate block boundary
smoothing, "poor man's variable quantization", and other means of improving
quality-vs-file-size performance without sacrificing compatibility.
In future versions, we are considering supporting some of the upcoming JPEG Part 3 extensions --- principally, variable quantization and the SPIFF file format.

As always, speeding things up is of great interest.

Please send bug reports, offers of help, etc. to jpeg-info@uunet.uu.net.

1.846 jackson-xc 1.9.2
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Section 6 states terms for distribution of such executables.

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

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if
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* org.eclipse.jetty.orbit:javax.security.auth.message

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The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.
* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-impl

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org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api
Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish
Oracle

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* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions. http://openjdk.java.net/legal/gplv2+ce.html

OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.874 mina 2.0.4

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1.875 json-glib 1.4.2-2.el7

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Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>

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SVG 1.1 Tiny DTD

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Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>
Revision: $Id: svg11$
dimensional graphics in XML.
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Revision: $Id: svg11$

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KPX ydieresis comma -65
KPX ydieresis period -65
EndKernPairs
EndKernData
EndFontMetrics

Found in path(s):
* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/com/lowagie/text/pdf/fonts/Times-Roman.afm
No license file was found, but licenses were detected in source scan.

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# version 1.1, a copy of which has been included with this distribution in  #
# the LICENSE file.                                                        #
#############################################################################

# This file registers the example Bridge extension as a service for the
# Bridge context.
# org.apache.batik.apps.svgbrowser.XMLInputHandler

Found in path(s):
* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/META-INF/services/org.apache.batik.apps.svgbrowser.SquiggleInputHandler
No license file was found, but licenses were detected in source scan.

StartFontMetrics 4.1
Comment Creation Date: Mon Jun 23 16:28:00 1997
Comment UniqueID 43048
Comment VMusage 41139 52164
FontName Courier-Bold
FullName Courier Bold
FamilyName Courier
Weight Bold
ItalicAngle 0
IsFixedPitch true
CharacterSet ExtendedRoman
FontBBox -113 -250 749 801
UnderlinePosition -100
Open Source Used In Cisco Unified Contact Center Express 12.5(1) SU2  7954
Open Source Used In Cisco Unified Contact Center Express 12.5(1) SU2 7956
Open Source Used in Cisco Unified Contact Center Express 12.5(1) SU2  7957
The Scalable Vector Graphics (SVG)
(Massachusetts Institute of Technology, Institut National de
Recherche en Informatique et en Automatique, Keio University).
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Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>
Revision: $Id: svg11

dimensional graphics in XML.
Copyright 2001, 2002 W3C (MIT, INRIA, Keio), All Rights Reserved.
Revision: $Id: svg11

Found in path(s):
* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/org/apache/batik/dom/svg/resources/svg11-
flat.dtd
No license file was found, but licenses were detected in source scan.

SVG 1.1 Basic DTD

This is SVG Basic, a proper subset of SVG.

The Scalable Vector Graphics (SVG)
(Massachusetts Institute of Technology, Institut National de
Recherche en Informatique et en Automatique, Keio University).
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Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>
Revision: $Id: svg11

Found in path(s):
* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/org/apache/batik/dom/svg/resources/svg11-
basic.dtd
No license file was found, but licenses were detected in source scan.

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#                                                                            #
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# the LICENSE file.                                                        #
#------------------------------------------------------------------------------

# This file registers the example Bridge extension as a service for the     
# Bridge context.
org.apache.batik.extension.svg.BatikBridgeExtension

Found in path(s):
* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/META-INF/services/org.apache.batik.bridge.BridgeExtension
No license file was found, but licenses were detected in source scan.

cos-nonambig = cos-nonambig: {0} and {1} (or elements from their substitution group) violate "Unique Particle Attribution"

Found in path(s):
* /opt/cola/permits/1124923580_1611197985.64/0/elxrt-zip/elxrt-jar/org/apache/xerces/impl/msg/XMLSchemaMessages.properties
No license file was found, but licenses were detected in source scan.

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Comment UniqueID 43053
Comment VMusage 14482 68586
FontName Helvetica-BoldOblique
FullName Helvetica Bold Oblique
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IsFixedPitch false
CharacterSet ExtendedRoman
FontBBox -174 -228 1114 962
UnderlinePosition -100
UnderlineThickness 50
Version 002.000
EncodingScheme AdobeStandardEncoding
CapHeight 718
XHeight 532
Open Source Used in Cisco Unified Contact Center Express 12.5(1) SU2  7966
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Open Source Used In Cisco Unified Contact Center Express 12.5(1) SU2  7976
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Open Source Used in Cisco Unified Contact Center Express 12.5(1) SU2 7991
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Open Source Used In Cisco Unified Contact Center Express 12.5(1) SU2 8007
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The Scalable Vector Graphics (SVG)
(Massachusetts Institute of Technology, Institut National de
Recherche en Informatique et en Automatique, Keio University).
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Author: Jun Fujisawa <fujisawa.jun@canon.co.jp>
Revision: $Id: svg11$
dimensional graphics in XML.
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Revision: $Id: svg11$

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SVG 1.1 Tiny DTD

This is SVG Tiny, a proper subset of SVG.

The Scalable Vector Graphics (SVG)
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Open Source Used In Cisco Unified Contact Center Express 12.5(1) SU2 8154
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C 250 ; WX 831 ; N a187 ; B 35 113 796 579 ;
C 251 ; WX 873 ; N a188 ; B 36 118 838 578 ;
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Open Source Used In Cisco Unified Contact Center Express 12.5(1) SU2 8157
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1.880 lua 5.1.4 15.el7

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1.881 batik-ext 1.7

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/*

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*
import java.awt.Point;
import java.awt.Rectangle;
import java.awt.image.ColorModel;
import java.awt.image.Raster;
import java.awt.image.RenderedImage;
import java.awt.image.SampleModel;
import java.awt.image.WritableRaster;

import java.util.Vector;
import java.util.List;
import java.util.ArrayList;
import java.util.Map;
import java.util.HashMap;

/**
 * A simple class implemented the <code>RenderedImage</code>
 * interface. Only the <code>getTile()</code> method needs to be
 * implemented by subclasses. The instance variables must also be
 * filled in properly.
 * 
 * Normally in JAI <code>PlanarImage</code> is used for this
 * purpose, but in the interest of modularity the
 * use of <code>PlanarImage</code> has been avoided.
 *
 * @version $Id: SimpleRenderedImage.java 498747 2007-01-22 18:56:19Z dvholten $
 */
public abstract class SimpleRenderedImage implements RenderedImage {

    /** The X coordinate of the image's upper-left pixel. */
    protected int minX;

    /** The Y coordinate of the image's upper-left pixel. */
    protected int minY;
/** The image's width in pixels. */
protected int width;

/** The image's height in pixels. */
protected int height;

/** The width of a tile. */
protected int tileWidth;

/** The height of a tile. */
protected int tileHeight;

/** The X coordinate of the upper-left pixel of tile (0, 0). */
protected int tileGridXOffset = 0;

/** The Y coordinate of the upper-left pixel of tile (0, 0). */
protected int tileGridYOffset = 0;

/** The image's SampleModel. */
protected SampleModel sampleModel = null;

/** The image's ColorModel. */
protected ColorModel colorModel = null;

/** The image's sources, stored in a Vector. */
protected List sources = new ArrayList();

/** A Hashtable containing the image properties. */
protected Map properties = new HashMap();

default SimpleRenderedImage() {}
/** Returns the X coordinate of the uppermost row of the image. */
public int getMinY()
{
    return minY;
}

/**
* Returns the Y coordinate of the row immediately below the
* bottom row of the image. getMaxY() is implemented in terms of
* getMinY() and getHeight() and so does not need to be
* implemented by subclasses.
*/
public final int getMaxY()
{
    return getMinY() + getHeight();
}

/** Returns the width of the image. */
public int getWidth()
{
    return width;
}

/** Returns the height of the image. */
public int getHeight()
{
    return height;
}

/** Returns a Rectangle indicating the image bounds. */
public Rectangle getBounds()
{
    return new Rectangle(getMinX(), getMinY(),
                          getWidth(), getHeight());
}

/** Returns the width of a tile. */
public int getTileWidth()
{
    return tileWidth;
}

/** Returns the height of a tile. */
public int getTileHeight()
{
    return tileHeight;
}

/**
* Returns the X coordinate of the upper-left pixel of tile (0, 0).
*/
public int getTileGridXOffset()
{
    return tileGridXOffset;
}
/**
 * Returns the Y coordinate of the upper-left pixel of (0, 0).
 */
public int getTileGridYOffset() {
    return tileGridYOffset;
}

/**
 * Returns the horizontal index of the leftmost column of tiles.
 * getMinTileX() is implemented in terms of getMinX()
 * and so does not need to be implemented by subclasses.
 */
public int getMinTileX() {
    return XToTileX(getMinX());
}

/**
 * Returns the horizontal index of the rightmost column of tiles.
 * getMaxTileX() is implemented in terms of getMaxX()
 * and so does not need to be implemented by subclasses.
 */
public int getMaxTileX() {
    return XToTileX(getMaxX() - 1);
}

/**
 * Returns the number of tiles along the tile grid in the
 * horizontal direction. getNumXTiles() is implemented in terms
 * of getMinTileX() and getMaxTileX() and so does not need to be
 * implemented by subclasses.
 */
public int getNumXTiles() {
    return getMaxTileX() - getMinTileX() + 1;
}

/**
 * Returns the vertical index of the uppermost row of tiles.
 * getMinTileY() is implemented in terms of getMinY()
 * and so does not need to be implemented by subclasses.
 */
public int getMinTileY() {
    return YToTileY(getMinY());
}

/**
 * Returns the vertical index of the bottom row of tiles.
 * getMaxTileY() is implemented in terms of getMaxY()
 * and so does not need to be implemented by subclasses.
 */
public int getMaxTileY() {
    return YToTileY(getMaxY() - 1);
}

/**
 * Returns the number of tiles along the tile grid in the vertical
 * direction.  getNumYTiles() is implemented in terms
 * of getMinTileY() and getMaxTileY() and so does not need to be
 * implemented by subclasses.
 */
public int getNumYTiles() {
    return getMaxTileY() - getMinTileY() + 1;
}

/** Returns the SampleModel of the image. */
public SampleModel getSampleModel() {
    return sampleModel;
}

/** Returns the ColorModel of the image. */
public ColorModel getColorModel() {
    return colorModel;
}

/**
 * Gets a property from the property set of this image.  If the
 * property name is not recognized, <code>null</code> will be returned.
 *
 * @param name the name of the property to get, as a
 * <code>String</code>.
 * @return a reference to the property
 * <code>Object</code>, or the value <code>null</code>
 */
public Object getProperty(String name) {
    name = name.toLowerCase();
    return properties.get(name);
}

/**
 * Returns a list of the properties recognized by this image.  If
 * no properties are available, an empty String[] will be returned.
 *
 * @return an array of <code>String</code>s representing valid
 * property names.
 */
public String[] getPropertyNames() {
    String[] names = new String[properties.size()];
    ...
//     int index = 0;
//
//     Enumeration e = properties.keys();
//     while (e.hasMoreElements()) {
//         String name = (String)e.nextElement();
//         names[index++] = name;
//     }
//     properties.keySet().toArray(names);
//     return names;
// }

/**
 * Returns an array of <code>String</code>s recognized as names by
 * this property source that begin with the supplied prefix. If
 * no property names match, <code>null</code> will be returned.
 * The comparison is done in a case-independent manner.
 *
 * <p> The default implementation calls
 * <code>getPropertyNames()</code> and searches the list of names
 * for matches.
 *
 * @return an array of <code>String</code>s giving the valid
 * property names (can be null).
 */
public String[] getPropertyNames(String prefix) {
    String[] propertyNames = getPropertyNames();
    if (propertyNames == null) {
        return null;
    }
    prefix = prefix.toLowerCase();

    List names = new ArrayList();
    for (int i = 0; i < propertyNames.length; i++) {
        if (propertyNames[i].startsWith(prefix)) {
            names.add(propertyNames[i]);
        }
    }
    if (names.size() == 0) {
        return null;
    }
    // Copy the strings from the Vector over to a String array.
    String[] prefixNames = new String[names.size()];
    //        int count = 0;
    //        for (Iterator it = names.iterator(); it.hasNext(); ) { // todo xx.toArray()

    return prefixNames;
}
//        prefixNames[count++] = (String)it.next();

//        }

names.toArray(prefixNames);

return prefixNames;

} // Utility methods.

/**
 * Converts a pixel's X coordinate into a horizontal tile index
 * relative to a given tile grid layout specified by its X offset
 * and tile width.
 */
public static int XToTileX(int x, int tileGridXOffset, int tileWidth) {
    x -= tileGridXOffset;
    if (x < 0) {
        x += 1 - tileWidth; // Force round to -infinity
    }
    return x/tileWidth;
}

/**
 * Converts a pixel's Y coordinate into a vertical tile index
 * relative to a given tile grid layout specified by its Y offset
 * and tile height.
 */
public static int YToTileY(int y, int tileGridYOffset, int tileHeight) {
    y -= tileGridYOffset;
    if (y < 0) {
        y += 1 - tileHeight; // Force round to -infinity
    }
    return y/tileHeight;
}

/**
 * Converts a pixel's X coordinate into a horizontal tile index.
 * This is a convenience method. No attempt is made to detect
 * out-of-range coordinates.
 *
 * @param x the X coordinate of a pixel.
 * @return the X index of the tile containing the pixel.
 */
public int XToTileX(int x) {
    return XToTileX(x, getTileGridXOffset(), getTileWidth());
}

/**

* Converts a pixel's Y coordinate into a vertical tile index.
* This is a convenience method. No attempt is made to detect
* out-of-range coordinates.
*
* @param y the Y coordinate of a pixel.
* @return the Y index of the tile containing the pixel.
*/
public int YToTileY(int y) {
    return YToTileY(y, getTileGridYOffset(), getTileHeight());
}

/**
 * Converts a horizontal tile index into the X coordinate of its
 * upper left pixel relative to a given tile grid layout specified
 * by its X offset and tile width.
 */
public static int tileXToX(int tx, int tileGridXOffset, int tileWidth) {
    return tx*tileWidth + tileGridXOffset;
}

/**
 * Converts a vertical tile index into the Y coordinate of
 * its upper left pixel relative to a given tile grid layout
 * specified by its Y offset and tile height.
 */
public static int tileYToY(int ty, int tileGridYOffset, int tileHeight) {
    return ty*tileHeight + tileGridYOffset;
}

/**
 * Converts a horizontal tile index into the X coordinate of its
 * upper left pixel. This is a convenience method. No attempt is made
 * to detect out-of-range indices.
 *
* @param tx the horizontal index of a tile.
* @return the X coordinate of the tile's upper left pixel.
*/
public int tileXToX(int tx) {
    return tx*tileWidth + tileGridXOffset;
}

/**
 * Converts a vertical tile index into the Y coordinate of its
 * upper left pixel. This is a convenience method. No attempt is made
 * to detect out-of-range indices.
 *
* @param ty the vertical index of a tile.
* @return the Y coordinate of the tile's upper left pixel.
*/
public int tileYToY(int ty) {
    return ty*tileHeight + tileGridYOffset;
}

public Vector getSources() {
    return null;
}

/**
 * Returns the entire image in a single Raster. For images with
 * multiple tiles this will require making a copy.
 *
 * <p> The returned Raster is semantically a copy. This means
 * that updates to the source image will not be reflected in the
 * returned Raster. For non-writable (immutable) source images,
 * the returned value may be a reference to the image’s internal
 * data. The returned Raster should be considered non-writable;
 * any attempt to alter its pixel data (such as by casting it to
 * WritableRaster or obtaining and modifying its DataBuffer) may
 * result in undefined behavior. The copyData method should be
 * used if the returned Raster is to be modified.
 *
 * @return a Raster containing a copy of this image's data.
 */
public Raster getData() {
    Rectangle rect = new Rectangle(getMinX(), getMinY(),
                                    getWidth(), getHeight());
    return getData(rect);
}

/**
 * Returns an arbitrary rectangular region of the RenderedImage
 * in a Raster. The rectangle of interest will be clipped against
 * the image bounds.
 *
 * <p> The returned Raster is semantically a copy. This means
 * that updates to the source image will not be reflected in the
 * returned Raster. For non-writable (immutable) source images,
 * the returned value may be a reference to the image’s internal
 * data. The returned Raster should be considered non-writable;
 * any attempt to alter its pixel data (such as by casting it to
 * WritableRaster or obtaining and modifying its DataBuffer) may
 * result in undefined behavior. The copyData method should be
 * used if the returned Raster is to be modified.
 *
 * @param bounds the region of the RenderedImage to be returned.
 */
public Raster getData(Rectangle bounds) {
    int startX = XToTileX(bounds.x);
    int startY = YToTileY(bounds.y);
    int endX = XToTileX(bounds.x + bounds.width - 1);
    int endY = YToTileY(bounds.y + bounds.height - 1);
    Raster tile;

    if ((startX == endX) && (startY == endY)) {
        tile = getTile(startX, startY);
        return tile.createChild(bounds.x, bounds.y,
                                bounds.width, bounds.height,
                                bounds.x, bounds.y, null);
    } else {
        // Create a WritableRaster of the desired size
        SampleModel sm =
            sampleModel.createCompatibleSampleModel(bounds.width,
                                                    bounds.height);

        // Translate it
        WritableRaster dest =
            Raster.createWritableRaster(sm, bounds.getLocation());

        for (int j = startY; j <= endY; j++) {
            for (int i = startX; i <= endX; i++) {
                tile = getTile(i, j);
                Rectangle intersectRect =
                    bounds.intersection(tile.getBounds());
                Raster liveRaster = tile.createChild(intersectRect.x,
                                                      intersectRect.y,
                                                      intersectRect.width,
                                                      intersectRect.height,
                                                      intersectRect.x,
                                                      intersectRect.y,
                                                      null);

                dest.setDataElements(0, 0, liveRaster);
            }
        }
        return dest;
    }
}

/**
 * Copies an arbitrary rectangular region of the RenderedImage
 * into a caller-supplied WritableRaster. The region to be
 * computed is determined by clipping the bounds of the supplied
 * WritableRaster against the bounds of the image. The supplied
 * WritableRaster must have a SampleModel that is compatible with
 * that of the image.
<p> If the raster argument is null, the entire image will be copied into a newly-created WritableRaster with a SampleModel that is compatible with that of the image.</p>

@param dest a WritableRaster to hold the returned portion of the image.
@return a reference to the supplied WritableRaster, or to a new WritableRaster if the supplied one was null.

public WritableRaster copyData(WritableRaster dest) {
    Rectangle bounds;
    Raster tile;

    if (dest == null) {
        bounds = getBounds();
        Point p = new Point(minX, minY);
        /* A SampleModel to hold the entire image. */
        SampleModel sm = sampleModel.createCompatibleSampleModel(
            width, height);
        dest = Raster.createWritableRaster(sm, p);
    } else {
        bounds = dest.getBounds();
    }

    int startX = XToTileX(bounds.x);
    int startY = YToTileY(bounds.y);
    int endX = XToTileX(bounds.x + bounds.width - 1);
    int endY = YToTileY(bounds.y + bounds.height - 1);

    for (int j = startY; j <= endY; j++) {
        for (int i = startX; i <= endX; i++) {
            tile = getTile(i, j);
            Rectangle intersectRect =
                bounds.intersection(tile.getBounds());
            Raster liveRaster = tile.createChild(intersectRect.x,
                intersectRect.y,
                intersectRect.width,
                intersectRect.height,
                intersectRect.x,
                intersectRect.y,
                null);

            /* WritableRaster.setDataElements takes into account of
             * inRaster's minX and minY and add these to x and y. Since
             * liveRaster has the origin at the correct location, the
             * following call should not again give these coordinates in
/*
 * places of x and y.
 */

dest.setDataElements(0, 0, liveRaster);
}
}
return dest;
}

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*/

package org.apache.batik.ext.awt.image.codec.util;

import java.awt.image.ColorModel;
import java.awt.image.Raster;
import java.awt.image.RenderedImage;
import java.io.IOException;
import java.io.OutputStream;

/**
 * A partial implementation of the ImageEncoder interface useful for subclassing.
 *
 * <p>This class is not a committed part of the JAI API. It may be removed or changed in future releases of JAI.</p>
 *
 * @version $Id: ImageEncoderImpl.java 498740 2007-01-22 18:35:57Z dvholten $
 */
public abstract class ImageEncoderImpl implements ImageEncoder {

    /** The OutputStream associated with this ImageEncoder. */
    protected OutputStream output;

    /**
     * @version $Id: ImageEncoderImpl.java 498740 2007-01-22 18:35:57Z dvholten $
     */
    public abstract class ImageEncoderImpl implements ImageEncoder {

        /** The OutputStream associated with this ImageEncoder. */
        protected OutputStream output;
/** The ImageEncodeParam object associated with this ImageEncoder. */
protected ImageEncodeParam param;

/**
 * Constructs an ImageEncoderImpl with a given OutputStream
 * and ImageEncoderParam instance.
 */
public ImageEncoderImpl(OutputStream output,
    ImageEncodeParam param) {
    this.output = output;
    this.param = param;
}

/**
 * Returns the current parameters as an instance of the
 * ImageEncodeParam interface. Concrete implementations of this
 * interface will return corresponding concrete implementations of
 * the ImageEncodeParam interface. For example, a JPEGImageEncoder
 * will return an instance of JPEGEncodeParam.
 */
public ImageEncodeParam getParam() {
    return param;
}

/**
 * Sets the current parameters to an instance of the
 * ImageEncodeParam interface. Concrete implementations
 * of ImageEncoder may throw a RuntimeException if the
 * params argument is not an instance of the appropriate
 * subclass or subinterface. For example, a JPEGImageEncoder
 * will expect param to be an instance of JPEGEncodeParam.
 */
public void setParam(ImageEncodeParam param) {
    this.param = param;
}

/**
 * Returns the OutputStream associated with this ImageEncoder. */
public OutputStream getOutputStream() {
    return output;
}

/**
 * Encodes a Raster with a given ColorModel and writes the output
 * to the OutputStream associated with this ImageEncoder.
 */
public void encode(Raster ras, ColorModel cm) throws IOException {
    RenderedImage im = new SingleTileRenderedImage(ras, cm);
encoded(im);
}

/**
 * Encodes a RenderedImage and writes the output to the
 * OutputStream associated with this ImageEncoder.
 */
public abstract void encode(RenderedImage im) throws IOException;
}

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*/
package org.apache.batik.ext.awt.image.codec.util;

import java.awt.image.Raster;
import java.awt.image.RenderedImage;
import java.io.IOException;
import java.io.InputStream;

/**
 * A partial implementation of the <code>ImageDecoder</code> interface
 * useful for subclassing.
 *
 * @version $Id: ImageDecoderImpl.java 498740 2007-01-22 18:35:57Z dvholten $
 */
public abstract class ImageDecoderImpl implements ImageDecoder {

/**
 * The <code>SeekableStream</code> associated with this
 * <code>ImageEncoder</code>.
 */
protected SeekableStream input;
protected ImageDecodeParam param;

public ImageDecoderImpl(SeekableStream input,
                        ImageDecodeParam param) {
    this.input = input;
    this.param = param;
}

public ImageDecoderImpl(InputStream input,
                         ImageDecodeParam param) {
    this.input = new ForwardSeekableStream(input);
    this.param = param;
}

public ImageDecodeParam getParam() {
    return param;
}

/**
 * The <code>ImageDecodeParam</code> object associated with this
 * <code>ImageEncoder</code>.
 */

public ImageDecoderImpl(InputStream input,
                         ImageDecodeParam param) {
    this.input = new ForwardSeekableStream(input);
    this.param = param;
}

public ImageDecodeParam getParam() {
    return param;
}

/**
 * Constructs an <code>ImageDecoderImpl</code> with a given
 * <code>SeekableStream</code> and <code>ImageDecodeParam</code>
 * instance.
 */

public ImageDecoderImpl(SeekableStream input,
                        ImageDecodeParam param) {
    this.input = input;
    this.param = param;
}

/**
 * Constructs an <code>ImageDecoderImpl</code> with a given
 * <code>InputStream</code> and <code>ImageDecodeParam</code>
 * instance. The <code>input</code> parameter will be used to
 * construct a <code>ForwardSeekableStream</code>; if the ability
 * to seek backwards is required, the caller should construct
 * an instance of <code>SeekableStream</code> and
 * make use of the other constructor.
 */

public ImageDecoderImpl(SeekableStream input,
                         ImageDecodeParam param) {
    this.input = new ForwardSeekableStream(input);
    this.param = param;
}

/**
 * Returns the current parameters as an instance of the
 * <code>ImageDecodeParam</code> interface. Concrete
 * implementations of this interface will return corresponding
 * concrete implementations of the <code>ImageDecodeParam</code>
 * interface. For example, a <code>JPEGImageDecoder</code> will
 * return an instance of <code>JPEGDecodeParam</code>.
 */

public ImageDecodeParam getParam() {
    return param;
}

/**
 * Sets the current parameters to an instance of the
 * <code>ImageDecodeParam</code> interface. Concrete
 * implementations of <code>ImageDecoder</code> may throw a
public void setParam(ImageDecodeParam param) {
    this.param = param;
}

/**
 * Returns the SeekableStream associated with
 * this ImageDecoder.
 */
public SeekableStream getInputStream() {
    return input;
}

/**
 * Returns the number of pages present in the current stream.
 * By default, the return value is 1. Subclasses that deal with
 * multi-page formats should override this method.
 */
public int getNumPages() throws IOException {
    return 1;
}

/**
 * Returns a Raster that contains the decoded
 * contents of the SeekableStream associated
 * with this ImageDecoder. Only
 * the first page of a multi-page image is decoded.
 */
public Raster decodeAsRaster() throws IOException {
    return decodeAsRaster(0);
}

/**
 * Returns a Raster that contains the decoded
 * contents of the SeekableStream associated
 * with this ImageDecoder. The given page of a multi-page image is decoded. If
 * the page does not exist, an IOException will be thrown.
 * Page numbering begins at zero.
 *
 * @param page The page to be decoded.
 */
public Raster decodeAsRaster(int page) throws IOException {
RenderedImage im = decodeAsRenderedImage(page);
    return im.getData();
}

/**
 * Returns a <code>RenderedImage</code> that contains the decoded
 * contents of the <code>SeekableStream</code> associated
 * with this <code>ImageDecoder</code>. Only
 * the first page of a multi-page image is decoded.
 */
public RenderedImage decodeAsRenderedImage() throws IOException {
    return decodeAsRenderedImage(0);
}

/**
 * Returns a <code>RenderedImage</code> that contains the decoded
 * contents of the <code>SeekableStream</code> associated
 * with this <code>ImageDecoder</code>. The given page of a multi-page image is decoded. If
 * the page does not exist, an IOException will be thrown.
 * Page numbering begins at zero.
 *
 * @param page The page to be decoded.
 */
public abstract RenderedImage decodeAsRenderedImage(int page)
    throws IOException;

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John Bauman
Peter Beverloo
Steve Block
Rachel Blum
Eric Boren
Daniel Bratell
Tomasz Moniuszko
David Landell
Advanced Micro Devices, Inc.
Russ Lind
The MIT License

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Contributors (in approximate order of appearance)

[See also the ChangeLog file where individuals are attributed in log entries. Likewise in the FAQ file.]

Ben Ellistonbje at cygnus dot com
   Initiated the project;
   setup the project infrastructure (CVS, web page, etc.);
   early prototype routines.
Ross Johnsonrpj at callisto dot canberra dot edu dot au
   early prototype routines;
   ongoing project coordination/maintenance;
   implementation of spin locks and barriers;
   various enhancements;
   bug fixes;
   documentation;
   testsuite.
Robert Colquhounrjc at trump dot net dot au
   Early bug fixes.
John E. BossomJohn dot Bossom at cognos dot com
   Contributed substantial original working implementation;
   bug fixes;
   ongoing guidance and standards interpretation.
Anders Norlandanorland at hem2 dot passagen dot se
   Early enhancements and runtime checking for supported Win32 routines.
Tor Lillqvisttml at iki dot fi
   General enhancements;
   early bug fixes to condition variables.
Scott Lightnerscott at curriculum dot com
   Bug fix.
Kevin RulandKevin dot Ruland at anheuser-busch dot com
Various bug fixes.
Mike Russomiker at eai dot com
Bug fix.
Mark E. Armstrong avail at pacbell dot net
Bug fixes.
Lorin Hochstein lmh at xiphos dot ca
general bug fixes; bug fixes to condition variables.
Peter Slacik Peter dot Slacik at tatramed dot sk
Bug fixes.
Mumit Khankhan at xraylith dot wisc dot edu
Fixes to work with Mingw32.
Milan Gardian mg at tatramed dot sk
Bug fixes and reports/analyses of obscure problems.
Aurelio Medina aureliom at crl dot com
First implementation of read-write locks.
Graham Dumpleton Graham dot Dumpleton at ra dot pad dot otc dot telstra dot com dot au
Bug fix in condition variables.
Tristan Savatier tristan at mpegtv dot com
WinCE port.
Erik Hensemaerik at hensema dot xs4all dot nl
Bug fixes.
Rich Peters peters at micro-magic dot com
ToddOWenton at lucidcalm dot dropbear dot dotdot au
Bug fixes to dll loading.
JasonNyejnye at nbnet dot nb dot ca
Implementation of async cancelation.
Fred Forester forest at eticomm dot net
Kevin D. Clark k Clark at cabletron dot com
David Baggett dmb at itasoftware dot com
Bug fixes.
Paul Redondo paul at matchvision dot com
Scott McCaskill scott at 3dfx dot com
Bug fixes.
JefGehart gearhart at tpssys dot com
Bug fix.
Arthur Kantorakantor at bexusa dot com
Mutex enhancements.
Steven Reddies mr at ssomer dot com dot au
Bug fix.
Alexander Terekhov TEREKHOV at de dot ibm dot com
Re-implemented and improved read-write locks;
(with Louis Thomas) re-implemented and improved condition variables;
enhancements to semaphores;
enhancements to mutexes;
new mutex implementation in 'futex' style;
suggested a robust implementation of pthread_once
similar to that implemented by V. Kliathcko;
system clock change handling re CV timeouts;  
bug fixes.
Thomas Pfaffpfaff at gmx dot net
Changes to make C version usable with C++ applications;  
re-implemented mutex routines to avoid Win32 mutexes  
and TryEnterCriticalSection;
procedure to fix Mingw32 thread-safety issues.
Franco Bezfranco dot bez at gmx dot de
procedure to fix Mingw32 thread-safety issues.
Louis Thomaslthomas at arbitrade dot com
(with Alexander Terekhov) re-implemented and improved  
condition variables.
David Korndgk at research dot att dot com
Ported to UWIN.
Phil Frisbie, Jr.phil at hawksoft dot com
Bug fix.
Ralf BreseRalf dot Brese at pdb4 dot siemens dot de
Bug fix.
prionx at junodot com prionx at junodot com
Bug fixes.
Max Woodbury mtew at cds dot duke dot edu
POSIX versioning conditionals;  
reduced namespace pollution;  
idea to separate routines to reduce statically  
linked image sizes.
Rob Fannerrfaner at stonethree dot com
Bug fix.
Michael Johnson michaelj at maine dot rr dot com
Bug fix.
Nicolas Barryboozai at yahoo dot com
Bug fixes.
Piet van Bruggen pietvb at newbridges dot nl
Bug fix.
Makoto Katoraven at oldskool dot jp
AMD64 port.
Panagiotis E. Hadjidoukaspeh at hpclab dot ceid dot upatras dot gr
Contributed the QueueUserAPCEx package which  
makes preemptive async cancelation possible.
Will Bryantwill dot bryant at ecosm dot com
Borland compiler patch and makefile.
Anuj Goyalanuj dot goyal at gmail dot com
Port to Digital Mars compiler.
Gottlob Fregelottobfregae at gmail dot com
re-implemented pthread_once (version 2)  
(pthread_once cancellation added by rpj).
Vladimir Kliatchkovvladimir at kliatchko dot com
reimplemented pthread_once with the same form  
as described by A.Terekhov (later version 2):
implementation of MCS (Mellor-Crummey/Scott) locks.

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<dt> <code>xml-apis.jar</code> </dt>
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<signature of Ty Coon>, 1 April 1990
Ty Coon, President of Vice

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1.907 axiom 1.2.7

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1.908 llvm 6.0.1-2.el7

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; RUN: llc < %s -mtriple=s390x-linux-gnu -mcpu=zEC12 -verify-machineinstrs | FileCheck %s
; Test that early if conversion produces LOCR with operands of the right
; register classes.

define void @autogen_SD4739(i8*) {
; CHECK-NOT: Expected a GR32Bit register, but got a GRX32Bit register
BB:
%L34 = load i8, i8* %0
%Cmp56 = icmp sgt i8 undef, %L34
br label %CF246

CF246:
; preds = %CF246, %BB
%S1163 = select i1 %Cmp56, i8 %L34, i8 undef
define void @add256(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="256" {
  ; CHECK-LABEL: add256:
  ; CHECK: # %bb.0:
  ; CHECK-NEXT: vmovdqa (%rdi), %ymm0
  ; CHECK-NEXT: vmovdqa 32(%rdi), %ymm1
  ; CHECK-NEXT: vpadd (%rsi), %ymm0, %ymm0
  ; CHECK-NEXT: vpadd 32(%rsi), %ymm1, %ymm1
  ; CHECK-NEXT: vmovdqa %ymm1, 32(%rdx)
  ; CHECK-NEXT: vzeroupper
  ; CHECK-NEXT: retq
  %d = load <16 x i32>, <16 x i32>* %a
  %e = load <16 x i32>, <16 x i32>* %b
  %f = add <16 x i32> %d, %e
  store <16 x i32> %f, <16 x i32>* %c
  ret void
}

define void @add512(<16 x i32>* %a, <16 x i32>* %b, <16 x i32>* %c) "min-legal-vector-width"="512" {
  ; CHECK-LABEL: add512:
  ; CHECK: # %bb.0:
  ; CHECK-NEXT: vmovdqa64 (%rdi), %zmm0
  ; CHECK-NEXT: vpadd (%rsi), %zmm0, %zmm0
  ; CHECK-NEXT: vmovdqa64 %zmm1, 32(%rdx)
  ; CHECK-NEXT: vzeroupper
  ; CHECK-NEXT: retq
  %d = load <16 x i32>, <16 x i32>* %a
  %e = load <16 x i32>, <16 x i32>* %b
  %f = add <16 x i32> %d, %e
  store <16 x i32> %f, <16 x i32>* %c
  ret void
}

define void @avg_v64i8_256(<64 x i8>* %a, <64 x i8>* %b) "min-legal-vector-width"="256" {
  ; CHECK-LABEL: avg_v64i8_256:
}
define void @avg_v64i8_512(<64 x i8>* %a, <64 x i8>* %b) "min-legal-vector-width"="512" {
    %1 = load <64 x i8>, <64 x i8>* %a
    %2 = load <64 x i8>, <64 x i8>* %b
    %3 = zext <64 x i8> %1 to <64 x i32>
    %4 = zext <64 x i8> %2 to <64 x i32>
    %5 = add nuw nsw <64 x i32> %3, <64 x i32>
    %6 = add nuw nsw <64 x i32> %5, %4
    %7 = lshr <64 x i32> %6, <64 x i32>
    %8 = trunc <64 x i32> %7 to <64 x i8>
    store <64 x i8> %8, <64 x i8>* undef, align 4
    ret void
}

define void @avg_v64i8_512(<64 x i8>* %a, <64 x i8>* %b) "min-legal-vector-width"="512" {
    %1 = load <64 x i8>, <64 x i8>* %a
    %2 = load <64 x i8>, <64 x i8>* %b
    %3 = zext <64 x i8> %1 to <64 x i32>
    %4 = zext <64 x i8> %2 to <64 x i32>
    %5 = add nuw nsw <64 x i32> %3, <64 x i32>
    %6 = add nuw nsw <64 x i32> %5, %4
    %7 = lshr <64 x i32> %6, <64 x i32>
    %8 = trunc <64 x i32> %7 to <64 x i8>
    store <64 x i8> %8, <64 x i8>* undef, align 4
    ret void
}
define void @pmaddwd_32_256(<32 x i16>* %APtr, <32 x i16>* %BPtr, <16 x i32>* %CPtr) "min-legal-vector-width"="256" {
  ; CHECK-LABEL: pmaddwd_32_256:
  ; CHECK: # %bb.0:
  ; CHECK-NEXT: vmovdqa (%rdi), %ymm0
  ; CHECK-NEXT: vmovdqa 32(%rdi), %ymm1
  ; CHECK-NEXT: vpmaddwd (%rsi), %ymm0, %ymm0
  ; CHECK-NEXT: vpmaddwd 32(%rsi), %ymm1, %ymm1
  ; CHECK-NEXT: vmovdqa %ymm1, 32(%rdx)
  ; CHECK-NEXT: vmovdqa %ymm0, (%rdx)
  ; CHECK-NEXT: vzeroupper
  ; CHECK-NEXT: retq
  %A = load <32 x i16>, <32 x i16>* %APtr
  %B = load <32 x i16>, <32 x i16>* %BPtr
  %a = sext <32 x i16> %A to <32 x i32>
  %b = sext <32 x i16> %B to <32 x i32>
  %m = mul nsw <32 x i32> %a, %b
  %odd = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> <i32 0, i32 2, i32 4, i32 6, i32 8, i32 10, i32 12, i32 14, i32 16, i32 18, i32 20, i32 22, i32 24, i32 26, i32 28, i32 30>
  %even = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> <i32 1, i32 3, i32 5, i32 7, i32 9, i32 11, i32 13, i32 15, i32 17, i32 19, i32 21, i32 23, i32 25, i32 27, i32 29, i32 31>
  %ret = add <16 x i32> %odd, %even
  store <16 x i32> %ret, <16 x i32>* %CPtr
  ret void
}

define void @pmaddwd_32_512(<32 x i16>* %APtr, <32 x i16>* %BPtr, <16 x i32>* %CPtr) "min-legal-vector-width"="512" {
  ; CHECK-LABEL: pmaddwd_32_512:
  ; CHECK: # %bb.0:
  ; CHECK-NEXT: vmovdqa64 (%rdi), %zmm0
  ; CHECK-NEXT: vpmaddwd (%rsi), %zmm0, %zmm0
  ; CHECK-NEXT: vpmaddwd 64(%rsi), %zmm1, %zmm1
  ; CHECK-NEXT: vmovdqa64 %zmm1, 64(%rdx)
  ; CHECK-NEXT: vmovdqa64 %zmm0, (%rdx)
  ; CHECK-NEXT: vzeroupper
  ; CHECK-NEXT: retq
  %A = load <32 x i16>, <32 x i16>* %APtr
  %B = load <32 x i16>, <32 x i16>* %BPtr
  %a = sext <32 x i16> %A to <32 x i32>
  %b = sext <32 x i16> %B to <32 x i32>
  %m = mul nsw <32 x i32> %a, %b
  %odd = shufflevector <32 x i32> %m, <32 x i32> undef, <16 x i32> <i32 0, i32 2, i32 4, i32 6, i32 8, i32 10, i32 12, i32 14, i32 16, i32 18, i32 20, i32 22, i32 24, i32 26, i32 28, i32 30>

define void @psubus_64i8_max_256(<64 x i8>* %xptr, <64 x i8>* %y.ptr, <64 x i8>* %zptr) "min-legal-vector-width"="256" {
  ; CHECK-LABEL: psubus_64i8_max_256:
  ; CHECK:    # %bb.0:
  ; CHECK-NEXT: vmovdqa (%rdi), %ymm0
  ; CHECK-NEXT: vmovdqa 32(%rdi), %ymm1
  ; CHECK-NEXT: vpsubusb (%rsi), %ymm0, %ymm0
  ; CHECK-NEXT: vpsubusb 32(%rsi), %ymm1, %ymm1
  ; CHECK-NEXT: vmovdqa %ymm1, 32(%rdx)
  ; CHECK-NEXT: vmovdqa %ymm0, (%rdx)
  ; CHECK-NEXT: vzeroupper
  ; CHECK-NEXT: retq
  %x = load <64 x i8>, <64 x i8>* %xptr
  %y = load <64 x i8>, <64 x i8>* %y.ptr
  %cmp = icmp ult <64 x i8> %x, %y
  %max = select <64 x i1> %cmp, <64 x i8> %y, <64 x i8> %x
  %res = sub <64 x i8> %max, %y
  store <64 x i8> %res, <64 x i8>* %zptr
  ret void
}

define void @psubus_64i8_max_512(<64 x i8>* %xptr, <64 x i8>* %y.ptr, <64 x i8>* %zptr) "min-legal-vector-width"="512" {
  ; CHECK-LABEL: psubus_64i8_max_512:
  ; CHECK:    # %bb.0:
  ; CHECK-NEXT: vmovdqa64 (%rdi), %zmm0
  ; CHECK-NEXT: vpsubusb (%rsi), %zmm0, %zmm0
  ; CHECK-NEXT: vmovdqa64 %zmm0, 32(%rdx)
  ; CHECK-NEXT: vmovdqa64 %zmm0, (%rdx)
  ; CHECK-NEXT: vzeroupper
  ; CHECK-NEXT: retq
  %x = load <64 x i8>, <64 x i8>* %xptr
  %y = load <64 x i8>, <64 x i8>* %y.ptr
  %cmp = icmp ult <64 x i8> %x, %y
  %max = select <64 x i1> %cmp, <64 x i8> %y, <64 x i8> %x
  %res = sub <64 x i8> %max, %y
  store <64 x i8> %res, <64 x i8>* %zptr
  ret void
}

define i32 @_Z9test_charPcS_i_256(i8* nocapture readonly, i8* nocapture readonly, i32) "min-legal-vector-width"="256" {

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%9 = sext <32 x i8> %wide.load14 to <32 x i32>
%10 = mul nsw <32 x i32> %9, %6
%11 = add nsw <32 x i32> %9, %vec.phi
%index.next = add i64 %index, 32
%12 = icmp eq i64 %index.next, %3
br i1 %12, label %middle.block, label %vector.body

middle.block:
%rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> <i32 16, i32 17, i32 18, i32 19, i32 20, i32 21, i32 22, i32 23, i32 24, i32 25, i32 26, i32 27, i32 28, i32 29, i32 30, i32 31, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx1 = add <32 x i32> %11, %rdx.shuf1

%rdx.shuf = shufflevector <32 x i32> %bin.rdx1, <32 x i32> undef, <32 x i32> <i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx = add <32 x i32> %bin.rdx1, %rdx.shuf

%rdx.shuf15 = shufflevector <32 x i32> %bin.rdx, <32 x i32> <i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx32 = add <32 x i32> %bin.rdx, %rdx.shuf15

%rdx.shuf17 = shufflevector <32 x i32> %bin.rdx32, <32 x i32> undef, <32 x i32> <i32 2, i32 3, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx18 = add <32 x i32> %bin.rdx32, %rdx.shuf17

%rdx.shuf19 = shufflevector <32 x i32> %bin.rdx18, <32 x i32> undef, <32 x i32> <i32 1, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>
%bin.rdx20 = add <32 x i32> %bin.rdx18, %rdx.shuf19

%13 = extractelement <32 x i32> %bin.rdx20, i32 0
ret i32 %13
}
define i32 @Z9test_charPcS_i_512(i8* nocapture readonly, i8* nocapture readonly, i32) "min-legal-vector-width"="512" {
; CHECK-NEXT:  vpmovsxbw (%rdi,%rcx), %zmm2
; CHECK-NEXT:  vpmovsxbw (%rsi,%rcx), %zmm3
; CHECK-NEXT:  vpmaddwd %zmm2, %zmm3, %zmm2
; CHECK-NEXT:  vpadd %zmm1, %zmm2, %zmm1
; CHECK-NEXT:  addq $32, %rcx
; CHECK-NEXT:  cmpq %rcx, %rax
; CHECK-NEXT:  jne .LBB9_1
; CHECK-NEXT:  # %bb.2: # %middle.block
; CHECK-NEXT:  vpadd %zmm0, %zmm1, %zmm0
; CHECK-NEXT:  vextracti64x4 $1, %zmm0, %ymm1
; CHECK-NEXT:  vpadd %zmm1, %zmm0, %zmm0
; CHECK-NEXT:  vextracti128 $1, %ymm0, %xmm1
; CHECK-NEXT:  vpadd %zmm1, %zmm0, %zmm0
; CHECK-NEXT:  vpshufd {{{.*#+}}} xmm1 = xmm0[2,3,0,1]
; CHECK-NEXT:  vpadd %zmm1, %zmm0, %zmm0
; CHECK-NEXT:  vpshufd {{{.*#+}}} xmm1 = xmm0[1,1,2,3]
; CHECK-NEXT:  vpadd %xmm1, %xmm0, %xmm0
; CHECK-NEXT:  vmovd %xmm0, %eax
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq

entry:
  %3 = zext i32 %2 to i64
  br label %vector.body

vector.body:
  %index = phi i64 [ %index.next, %vector.body ], [ 0, %entry ]
  %vec.phi = phi <32 x i32> [ %11, %vector.body ], [ zeroinitializer, %entry ]
  %4 = getelementptr inbounds i8, i8* %0, i64 %index
  %5 = bitcast i8* %4 to <32 x i8>*
  %wide.load = load <32 x i8>, <32 x i8>* %5, align 1
  %6 = sext <32 x i8> %wide.load to <32 x i32>
  %7 = getelementptr inbounds i8, i8* %1, i64 %index
  %8 = bitcast i8* %7 to <32 x i8>*
  %wide.load14 = load <32 x i8>, <32 x i8>* %8, align 1
  %9 = sext <32 x i8> %wide.load14 to <32 x i32>
  %10 = mul nsw <32 x i32> %9, %6
  %11 = add nsw <32 x i32> %10, %vec.phi
  %index.next = add i64 %index, 32
  %12 = icmp eq i64 %index.next, %3
  br i1 %12, label %middle.block, label %vector.body

middle.block:
  %rdx.shuf1 = shufflevector <32 x i32> %11, <32 x i32> undef, <32 x i32> <i32 16, i32 17, i32 18, i32 19, i32 20, i32 21, i32 22, i32 23, i32 24, i32 25, i32 26, i32 27, i32 28, i32 29, i32 30, i32 31, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undefined>
  %bin.rdx1 = add <32 x i32> %11, %rdx.shuf1
  %rdx.shuf = shufflevector <32 x i32> %bin.rdx1, <32 x i32> undef, <32 x i32> <i32 8, i32 9, i32 10, i32 11, i32 12, i32 13, i32 14, i32 15, i32 16, i32 17, i32 18, i32 19, i32 undefined>
define i32 @sad_16i8_256() "min-legal-vector-width"="256" {
   ; CHECK-LABEL: sad_16i8_256:
   ; CHECK:       # %bb.0: # %entry
   ; CHECK-NEXT:    vpxor %xmm0, %xmm0, %xmm0
   ; CHECK-NEXT:    movq $-1024, %rax # imm = 0xFC00
   ; CHECK-NEXT:    vpxor %xmm1, %xmm1, %xmm1
   ; CHECK-NEXT:    .p2align 4, 0x90
   ; CHECK-NEXT:  .LBB10_1: # %vector.body
   ; CHECK-NEXT:    # =>This Inner Loop Header: Depth=1
   ; CHECK-NEXT:    vmovdqu a+1024(%rax), %xmm2
   ; CHECK-NEXT:    vpsadbw b+1024(%rax), %xmm2, %xmm2
   ; CHECK-NEXT:    vpaddd %ymm1, %ymm2, %ymm1
   ; CHECK-NEXT:    vextracti128 $1, %ymm0, %xmm1
   ; CHECK-NEXT:    vpaddd %ymm1, %ymm0, %ymm1
   ; CHECK-NEXT:    vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
   ; CHECK-NEXT:    vpaddd %ymm1, %ymm2, %ymm1
   ; CHECK-NEXT:    vpaddd %ymm1, %ymm0, %ymm1
   ; CHECK-NEXT:    vpshufd {{.*#+}} xmm1 = xmm0[1,1,2,3]
   ; CHECK-NEXT:    vpaddd %ymm1, %ymm0, %ymm0
   ; CHECK-NEXT:    jne .LBB10_1
   ; CHECK-NEXT:  # %bb.2: # %middle.block
   ; CHECK-NEXT:    vpadd %ymm0, %ymm1, %ymm0
   ; CHECK-NEXT:    vextracti128 $1, %ymm0, %xmm1
   ; CHECK-NEXT:    vpadd %ymm1, %ymm0, %ymm0
   ; CHECK-NEXT:    vpshufd {{.*#+}} xmm1 = xmm0[2,3,0,1]
   ; CHECK-NEXT:    vpadd %ymm1, %ymm0, %ymm0
   ; CHECK-NEXT:    vpshufd {{.*#+}} xmm1 = xmm0[1,1,2,3]
   ; CHECK-NEXT:    vpadd %ymm1, %ymm0, %ymm0
}

@a = global [1024 x i8] zeroinitializer, align 16
@b = global [1024 x i8] zeroinitializer, align 16
define i32 @sad_16i8_512() "min-legal-vector-width"="512" {
; CHECK-LABEL: sad_16i8_512:
; CHECK:
    # %bb.0: # %entry
; CHECK-NEXT: vpxor %xmm0, %xmm0, %xmm0
; CHECK-NEXT: movq $-1024, %rax # imm = 0xFC00
; CHECK-NEXT: .p2align 4, 0x90
; CHECK-NEXT: .LBB11_1: # %vector.body
; CHECK-NEXT: # =>This Inner Loop Header: Depth=1
; CHECK-NEXT: vmovdqu a+1024(%rax), %xmm1
; CHECK-NEXT: vpsadbw b+1024(%rax), %xmm1, %xmm1
; CHECK-NEXT: vpaddd %zmm0, %zmm1, %zmm0
; CHECK-NEXT: addq $4, %rax
; CHECK-NEXT: jne .LBB11_1
; CHECK-NEXT: # %bb.2: # %middle.block
; CHECK-NEXT: vextracti64x4 $1, %zmm0, %ymm1
; CHECK-NEXT: vpaddd %zmm1, %zmm0, %zmm0
; CHECK-NEXT: vextracti128 $1, %ymm0, %xmm1
; CHECK-NEXT: vpaddd %zmm1, %zmm0, %zmm0
; CHECK-NEXT: vpshufd \{{.*#+\}} xmm1 = xmm0[2,3,0,1]
; CHECK-NEXT: vpaddd %zmm1, %zmm0, %zmm0
; CHECK-NEXT: vpshufd \{{.*#+\}} xmm1 = xmm0[1,1,2,3]
; CHECK-NEXT: vpaddd %xmm1, %xmm0, %xmm0
; CHECK-NEXT: vmovd %xmm0, %eax
; CHECK-NEXT: vzeroupper
; CHECK-NEXT: retq
entry:
    br label %vector.body
}

vector.body:
    %index = phi i64 [ 0, %entry ], [ %index.next, %vector.body ]
    %vec.phi = phi <16 x i32> [ zeroinitializer, %entry ], [ %10, %vector.body ]
    %0 = getelementptr inbounds [1024 x i8], [1024 x i8]* @a, i64 0, i64 %index
    %1 = bitcast i8* %0 to <16 x i8>*
    %wide.load = load <16 x i8>, <16 x i8>* %1, align 4
    %2 = zext <16 x i8> %wide.load to <16 x i32>
    %3 = getelementptr inbounds [1024 x i8], [1024 x i8]* @b, i64 0, i64 %index
    %4 = bitcast i8* %3 to <16 x i8>*
    %wide.load1 = load <16 x i8>, <16 x i8>* %4, align 4
    %5 = zext <16 x i8> %wide.load1 to <16 x i32>
    %6 = sub nsw <16 x i32> %2, %5
    %7 = icmp sgt <16 x i32> %6, <i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1, i32 -1>
    %8 = sub nsw <16 x i32> zeroinitializer, %6
    %9 = select <16 x i1> %7, <16 x i32> %6, <16 x i32> %8
    %10 = add nsw <16 x i32> %9, %vec.phi
    %index.next = add i64 %index, 4
    %11 = icmp eq i64 %index.next, 1024
    br i1 %11, label %middle.block, label %vector.body
middle.block:

lcssa = phi (x 16 x i32) [ %10, %vector.body ]

%.lcssa = shufflevector (x 16 x i32) %.lcssa, (x 16 x i32) undef, (x 16 x i32) <i32 1 2 3 4 5 6 7 8 9 10 11 12, i32 13, i32 14, i32 15, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, undef, i32 undef, i32 undef, i32 undef>

%.bin.rdx = add (x 16 x i32) %.lcssa, %.rdx.shuf

%.rdx.shuf2 = shufflevector (x 16 x i32) %.bin.rdx, (x 16 x i32) undef, (x 16 x i32) <i32 1 2 3, i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>

%.bin.rdx2 = add (x 16 x i32) %.bin.rdx, %.rdx.shuf2

%.rdx.shuf3 = shufflevector (x 16 x i32) %.bin.rdx2, (x 16 x i32) undef, (x 16 x i32) <i32 1 2, i32 3, i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>

%.bin.rdx3 = add (x 16 x i32) %.bin.rdx2, %.rdx.shuf3

%.rdx.shuf4 = shufflevector (x 16 x i32) %.bin.rdx3, (x 16 x i32) undef, (x 16 x i32) <i32 1, i32 2, i32 3, i32 4, i32 5, i32 6, i32 7, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef, i32 undef>

%.bin.rdx4 = add (x 16 x i32) %.bin.rdx3, %.rdx.shuf4

%12 = extractelement (x 16 x i32) %.bin.rdx4, i32 0

ret i32 %12

} define void @sbto16f32_256(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="256" {
 ; CHECK-LABEL: sbto16f32_256:
 ; CHECK:     # %bb.0:
 ; CHECK-NEXT: vpmovw2m %ymm0, %k0
 ; CHECK-NEXT: kshiftrw %s8, %k0, %k1
 ; CHECK-NEXT: vpmovm2d %k1, %ymm0
 ; CHECK-NEXT: vcvtdq2ps %ymm0, %ymm0
 ; CHECK-NEXT: vpmovm2d %k0, %ymm1
 ; CHECK-NEXT: vcvtdq2ps %ymm1, %ymm1
 ; CHECK-NEXT: vmovaps %ymm1, (%rdi)
 ; CHECK-NEXT: vmovaps %ymm0, 32(%rdi)
 ; CHECK-NEXT: vzeroupper
 ; CHECK-NEXT: retq
 %mask = icmp slt (x 16 x i16) %a, zeroinitialize
 %l = sitofp (x 16 x i1) %mask to (x 16 x float)
 store (x 16 x float) %l, (x 16 x float)* %res
 ret void
 } define void @sbto16f32_512(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="512" {
 ; CHECK-LABEL: sbto16f32_512:
 ; CHECK:     # %bb.0:
 ; CHECK-NEXT: vpmovw2m %ymm0, %k0
 ; CHECK-NEXT: vpmovm2d %k0, %zmm0
 ; CHECK-NEXT: vcvtdq2ps %zmm0, %zmm0
 ; CHECK-NEXT: vmovaps %zmm0, (%rdi)
define void @sbto16f64_256(<16 x i16> %a, <16 x double>* %res)  "min-legal-vector-width"="256" {  
  %mask = icmp slt <16 x i16> %a, zero initializer  
  %1 = sitofp <16 x i1> %mask to <16 x float>  
  store <16 x float> %1, <16 x float>* %res  
  ret void  
}

define void @sbto16f64_512(<16 x i16> %a, <16 x double>* %res)  "min-legal-vector-width"="512" {  
  %mask = icmp slt <16 x i16> %a, zero initializer  
  %1 = sitofp <16 x i1> %mask to <16 x float>  
  store <16 x float> %1, <16 x float>* %res  
  ret void  
}

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define void @ubto16f32_256(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: ubto16f32_256:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vpmovw2m %ymm0, %k0
    ; CHECK-NEXT:    kshiftrw $8, %k0, %k1
    ; CHECK-NEXT:    vpmovm2d %k1, %ymm0
    ; CHECK-NEXT:    vpsrld $31, %ymm0, %ymm0
    ; CHECK-NEXT:    vcvtqd2ps %ymm0, %ymm0
    ; CHECK-NEXT:    vpmovm2d %k0, %ymm1
    ; CHECK-NEXT:    vpsrld $31, %ymm1, %ymm1
    ; CHECK-NEXT:    vcvtqd2ps %ymm1, %ymm1
    ; CHECK-NEXT:    vmovaps %ymm1, (%rdi)
    ; CHECK-NEXT:    vmovaps %ymm0, 32(%rdi)
    ; CHECK-NEXT:    vzeroupper
    ; CHECK-NEXT:    retq
    %mask = icmp slt <16 x i16> %a, zeroinitializer
    %1 = uitofp <16 x i1> %mask to <16 x float>
    store <16 x float> %1, <16 x float>* %res
    ret void
}

define void @ubto16f32_512(<16 x i16> %a, <16 x float>* %res) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: ubto16f32_512:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vpmovw2m %zmm0, %k0
    ; CHECK-NEXT:    vpmovm2d %k0, %zmm0
    ; CHECK-NEXT:    vpsrld $31, %zmm0, %zmm0
    ; CHECK-NEXT:    vcvtqd2ps %zmm0, %zmm0
    ; CHECK-NEXT:    vmovaps %zmm1, (%rdi)
    ; CHECK-NEXT:    vmovaps %zmm0, 32(%rdi)
    ; CHECK-NEXT:    vzeroupper
    ; CHECK-NEXT:    retq
    %mask = icmp slt <16 x i16> %a, zeroinitializer
    %1 = uitofp <16 x i1> %mask to <16 x float>
    store <16 x float> %1, <16 x float>* %res
    ret void
}

define void @ubto16f64_256(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: ubto16f64_256:
    ; CHECK:       # %bb.0:
    ; CHECK-NEXT:    vpmovw2m %ymm0, %k0
    ; CHECK-NEXT:    kshiftrw $8, %k0, %k1
    ; CHECK-NEXT:    vpmovm2d %k1, %ymm0
    ; CHECK-NEXT:    vpsrld $31, %ymm0, %ymm0
    ; CHECK-NEXT:    vcvtqd2pd %xmm0, %ymm1
; CHECK-NEXT:  vextracti128 $1, %ymm0, %xmm0
; CHECK-NEXT:  cvttdq2pd %xmm0, %ymm0
; CHECK-NEXT:  vpmovm2d %k0, %ymm2
; CHECK-NEXT:  vpsrld $31, %ymm2, %ymm2
; CHECK-NEXT:  cvttdq2pd %xmm2, %ymm3
; CHECK-NEXT:  vextracti128 $1, %ymm2, %xmm2
; CHECK-NEXT:  cvttdq2pd %xmm2, %ymm2
; CHECK-NEXT:  vmovaps %ymm2, 32(%rdi)
; CHECK-NEXT:  vmovaps %ymm1, 64(%rdi)
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = uitofp <16 x i1> %mask to <16 x double>
store <16 x double> %1, <16 x double>* %res
ret void
}
define void @ubto16f64_512(<16 x i16> %a, <16 x double>* %res) "min-legal-vector-width"="512" {
; CHECK-LABEL:  ubto16f64_512:
; CHECK:       # %bb.0:
; CHECK-NEXT:  vpmovw2m %ymm0, %k0
; CHECK-NEXT:  vpmovm2d %k0, %zmm0
; CHECK-NEXT:  vpsrld $31, %zmm0, %zmm0
; CHECK-NEXT:  cvttdq2pd %ymm0, %zmm1
; CHECK-NEXT:  vextracti64x4 $1, %zmm0, %ymm0
; CHECK-NEXT:  cvttdq2pd %ymm0, %zmm0
; CHECK-NEXT:  vmovaps %zmm0, 64(%rdi)
; CHECK-NEXT:  vmovaps %zmm1, (%rdi)
; CHECK-NEXT:  vzeroupper
; CHECK-NEXT:  retq
%mask = icmp slt <16 x i16> %a, zeroinitializer
%1 = uitofp <16 x i1> %mask to <16 x double>
store <16 x double> %1, <16 x double>* %res
ret void
}
define <16 x i16> @test_16f32toub_256(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="256" {
; CHECK-LABEL:  test_16f32toub_256:
; CHECK:       # %bb.0:
; CHECK-NEXT:  vcvtpps2dq (%rdi), %ymm1
; CHECK-NEXT:  vpslld $31, %ymm1, %ymm1
; CHECK-NEXT:  vpmovd2m %ymm1, %k0
; CHECK-NEXT:  vcvtpps2dq 32(%rdi), %ymm1
; CHECK-NEXT:  vpslld $31, %ymm1, %ymm1
; CHECK-NEXT:  vpmovd2m %ymm1, %k1

define <16 x i16> @test_16f32toub_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: test_16f32toub_512:
    ; CHECK:
    # %bb.0:
    ; CHECK-NEXT:    vcvttps2dq (%rdi), %zmm1
    ; CHECK-NEXT:    vpslld $31, %zmm1, %zmm1
    ; CHECK-NEXT:    vpmovd2m %zmm1, %k1
    ; CHECK-NEXT:    vmovdqu16 %ymm0, %ymm0 {%k1} {z}
    ; CHECK-NEXT:    retq
    %a = load <16 x float>, <16 x float>* %ptr
    %mask = fptoui <16 x float> %a to <16 x i1>
    %select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
    ret <16 x i16> %select
}

define <16 x i16> @test_16f32tosb_256(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="256" {
    ; CHECK-LABEL: test_16f32tosb_256:
    ; CHECK:
    # %bb.0:
    ; CHECK-NEXT:    vcvttps2dq (%rdi), %ymm1
    ; CHECK-NEXT:    vpmovd2m %ymm1, %k0
    ; CHECK-NEXT:    vcvttps2dq 32(%rdi), %ymm1
    ; CHECK-NEXT:    vpmovd2m %ymm1, %k1
    ; CHECK-NEXT:    kunpckbw %k0, %k1, %k1
    ; CHECK-NEXT:    vmovdqu16 %ymm0, %ymm0 {%k1} {z}
    ; CHECK-NEXT:    retq
    %a = load <16 x float>, <16 x float>* %ptr
    %mask = fptosi <16 x float> %a to <16 x i1>
    %select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
    ret <16 x i16> %select
}

define <16 x i16> @test_16f32tosb_512(<16 x float>* %ptr, <16 x i16> %passthru) "min-legal-vector-width"="512" {
    ; CHECK-LABEL: test_16f32tosb_512:
    ; CHECK:
    # %bb.0:
    ; CHECK-NEXT:    vcvttps2dq (%rdi), %zmm1
    ; CHECK-NEXT:    vpmovd2m %zmm1, %k1
    ; CHECK-NEXT:    vmovdqu16 %ymm0, %ymm0 {%k1} {z}
    ; CHECK-NEXT:    retq
    %a = load <16 x float>, <16 x float>* %ptr
    %mask = fptoui <16 x float> %a to <16 x i1>
    %select = select <16 x i1> %mask, <16 x i16> %passthru, <16 x i16> zeroinitializer
    ret <16 x i16> %select
}
define void @mul256(<64 x i8>* %a, <64 x i8>* %b, <64 x i8>* %c) {
  ; CHECK-LABEL:  mul256:
  ; CHECK:  # %bb.0:
  ; CHECK-NEXT:  vmovdqa (%rdi), %ymm0
  ; CHECK-NEXT:  vmovdqa 32(%rdi), %ymm1
  ; CHECK-NEXT:  vmovdqa (%rsi), %ymm2
  ; CHECK-NEXT:  vmovdqa 32(%rsi), %ymm3
  ; CHECK-NEXT:  vpunpckhbw {{.*#+}} ymm4 =
    ymm2[8],ymm0[8],ymm2[9],ymm0[9],ymm2[10],ymm0[10],ymm2[11],ymm0[11],ymm2[12],ymm0[12],ymm2[13 ],ymm0[13],ymm2[14],ymm0[14],ymm2[15],ymm0[15],ymm2[24],ymm0[24],ymm2[25],ymm0[25],ymm2[26],ym m0[26],ymm2[27],ymm0[27],ymm2[28],ymm0[28],ymm2[29],ymm0[29],ymm2[30],ymm0[30],ymm2[31],ymm0[3 1]
  ; CHECK-NEXT:  vpunpckhbw {{.*#+}} ymm5 =
    ymm0[8,9,9,10,10,11,11,12,12,13,13,14,14,15,15,24,24,25,25,26,26,27,27,28,28,29,29,30,30,31,31]
  ; CHECK-NEXT:  vpmullw %ymm4, %ymm5, %ymm4
  ; CHECK-NEXT:  vmovdqa {{.*#+}} ymm5 =
  ; CHECK-NEXT:  vpand %ymm5, %ymm4, %ymm4
  ; CHECK-NEXT:  vpunpcklbw {{.*#+}} ymm2 =
    ymm2[0],ymm0[0],ymm2[1],ymm0[1],ymm2[2],ymm0[2],ymm2[3],ymm0[3],ymm2[4],ymm0[4],ymm2[5],ymm0[ 5],ymm2[6],ymm0[6],ymm2[7],ymm0[7],ymm2[16],ymm0[16],ymm2[17],ymm0[17],ymm2[18],ymm0[18],ymm2[1 9],ymm0[19],ymm2[20],ymm0[20],ymm2[21],ymm0[21],ymm2[22],ymm0[22],ymm2[23],ymm0[23]
  ; CHECK-NEXT:  vpunpcklbw {{.*#+}} ymm0 =
    ymm0[0,1,1,2,2,3,3,4,4,5,5,6,6,7,7,16,16,17,18,18,19,19,20,20,21,21,22,22,23,23]
  ; CHECK-NEXT:  vpmullw %ymm2, %ymm0, %ymm0
  ; CHECK-NEXT:  vpand %ymm5, %ymm0, %ymm0
  ; CHECK-NEXT:  vpckuswb %ymm4, %ymm0, %ymm0
  ; CHECK-NEXT:  vpunpckhbw {{.*#+}} ymm2 =
    ymm3[8],ymm0[8],ymm3[9],ymm0[9],ymm3[10],ymm0[10],ymm3[11],ymm0[11],ymm3[12],ymm0[12],ymm3[13 ],ymm0[13],ymm3[14],ymm0[14],ymm3[15],ymm0[15],ymm3[24],ymm0[24],ymm3[25],ymm0[25],ymm3[26],ym m0[26],ymm3[27],ymm0[27],ymm3[28],ymm0[28],ymm3[29],ymm0[29],ymm3[30],ymm0[30],ymm3[31],ymm0[ 31]
  ; CHECK-NEXT:  vpunpckhbw {{.*#+}} ymm4 =
    ymm1[8],ymm0[8],ymm1[9],ymm0[9],ymm1[10],ymm0[10],ymm1[11],ymm0[11],ymm1[12],ymm0[12],ymm1[13 ],ymm0[13],ymm1[14],ymm0[14],ymm1[15],ymm0[15],ymm1[24],ymm0[24],ymm1[25],ymm0[25],ymm1[26],ym m0[26],ymm1[27],ymm0[27],ymm1[28],ymm0[28],ymm1[29],ymm0[29],ymm1[30],ymm0[30],ymm1[31],ymm0[ 31]
  ; CHECK-NEXT:  vpmullw %ymm2, %ymm4, %ymm2
  ; CHECK-NEXT:  vpand %ymm5, %ymm2, %ymm2
  ; CHECK-NEXT:  vpunpcklbw {{.*#+}} ymm3 =
    ymm3[0],ymm0[0],ymm3[1],ymm0[1],ymm3[2],ymm0[2],ymm3[3],ymm0[3],ymm3[4],ymm0[4],ymm3[5],ymm0[ 5]
; CHECK-NEXT: vpunpcklbw {{.*#+}} zmm0 =
; CHECK-NEXT: vpmullw %zmm1, %zmm0, %zmm0
; CHECK-NEXT: vpandw %zmm3, %zmm0, %zmm0
; CHECK-NEXT: vpackuswb %zmm2, %zmm0, %zmm0
; CHECK-NEXT: vmovdqa64 %zmm0, (%rdx)
; CHECK-NEXT: vzeroupper

%d = load <64 x i8>, <64 x i8>* %a
%e = load <64 x i8>, <64 x i8>* %b
%f = mul <64 x i8> %d, %e
store <64 x i8> %f, <64 x i8>* %c
ret void
}

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Developed by:

LLVM Team

University of Illinois at Urbana-Champaign
http://llvm.org

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<none yet>

; NOTE: Assertions have been autogenerated by utils/update_analyze_test_checks.py
; RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx2 | FileCheck %s --check-prefixes=CHECK,VEC256,AVX
; RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx512vl,+avx512bw,+avx512dq,+prefer-256-bit | FileCheck %s --check-prefixes=CHECK,VEC256,SKX256
; RUN: opt < %s  -cost-model -analyze -mtriple=x86_64-apple-macosx10.8.0 -mattr=+avx512vl,+avx512bw,+avx512dq,-prefer-256-bit | FileCheck %s --check-prefixes=CHECK,VEC512
define void @zext256() "min-legal-vector-width"="256" { 
    ; VEC256-LABEL: 'zext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x i16>
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

    ; VEC512-LABEL: 'zext256'
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = zext <32 x i8> undef to <32 x i16>
    ; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

    ; AVX-LABEL: 'zext512'
    ; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = zext <8 x i16> undef to <8 x i64>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %B = zext <8 x i32> undef to <8 x i64>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %C = zext <16 x i8> undef to <16 x i32>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = zext <16 x i16> undef to <16 x i32>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %E = zext <32 x i8> undef to <32 x i16>
    ; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

    ; SKX256-LABEL: 'zext512'
    ; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %A = zext <8 x i16> undef to <8 x
define void @sext256() "min-legal-vector-width"="256" {
    ; VEC256-LABEL: 'sext256'
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = sext <8 x i8> undef to <8 x i64>
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %B = sext <8 x i16> undef to <8 x i64>
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %C = sext <8 x i32> undef to <8 x i64>
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = sext <16 x i8> undef to <16 x i32>
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %E = sext <16 x i16> undef to <16 x i32>
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to <32 x i16>
    ; VEC256-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
    ;
    %A = sext <8 x i16> undef to <8 x i64>
    %B = sext <8 x i32> undef to <8 x i64>
    %C = sext <16 x i8> undef to <16 x i32>
    %D = sext <16 x i16> undef to <16 x i32>
    %E = sext <32 x i8> undef to <32 x i16>
    ret void
}
; VEC512-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
%A = sext <8 x i8> undef to <8 x i64>
%B = sext <8 x i16> undef to <8 x i64>
%C = sext <8 x i32> undef to <8 x i64>
%D = sext <16 x i8> undef to <16 x i32>
%E = sext <16 x i16> undef to <16 x i32>
%F = sext <32 x i8> undef to <32 x i16>
ret void
}
define void @sext512() "min-legal-vector-width"="512" {
; AVX-LABEL: 'sext512'
; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 7 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; AVX-NEXT: Cost Model: Found an estimated cost of 4 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; AVX-NEXT: Cost Model: Found an estimated cost of 3 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; AVX-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void
;
; SKX256-LABEL: 'sext512'
; SKX256-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; SKX256-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
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;
; VEC512-LABEL: 'sext512'
; VEC512-NEXT: Cost Model: Found an estimated cost of 24 for instruction: %A = sext <8 x i8> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %B = sext <8 x i16> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %C = sext <8 x i32> undef to <8 x i64>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %D = sext <16 x i8> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %E = sext <16 x i16> undef to <16 x i32>
; VEC512-NEXT: Cost Model: Found an estimated cost of 1 for instruction: %F = sext <32 x i8> undef to <32 x i16>
; VEC512-NEXT: Cost Model: Found an estimated cost of 0 for instruction: ret void

; %A = sext <8 x i8> undef to <8 x i64>
; %B = sext <8 x i16> undef to <8 x i64>
; %C = sext <8 x i32> undef to <8 x i64>
; %D = sext <16 x i8> undef to <16 x i32>
; %E = sext <16 x i16> undef to <16 x i32>
; %F = sext <32 x i8> undef to <32 x i16>
ret void
}

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; RUN: llc -march=hexagon < %s
; REQUIRES: asserts

; The two loads based on %struct.0, loading two different data types
; cause LSR to assume type "void" for the memory type. This would then
; cause an assert in isLegalAddressingMode. Make sure we no longer crash.

target triple = "hexagon"

%struct.0 = type { i8*, i8, %union.anon.0 }
%union.anon.0 = type { i8* }

define hidden fastcc void @fred() unnamed_addr #0 {
entry:
  br i1 undef, label %while.end, label %while.body.lr.ph

  while.body.lr.ph: ; preds = %entry
    br label %while.body
while.body: ; preds = %exit.2, %while.body.lr.ph
%lsr.iv = phi %struct.0* [ %cgep22, %exit.2 ], [ undef, %while.body.lr.ph ]
switch i32 undef, label %exit [
  i32 1, label %sw.bb.i
  i32 2, label %sw.bb3.i
]

sw.bb.i: ; preds = %while.body
  unreachable

sw.bb3.i: ; preds = %while.body
  unreachable

exit: ; preds = %while.body
switch i32 undef, label %exit.2 [
  i32 1, label %sw.bb.i17
  i32 2, label %sw.bb3.i20
]

sw.bb.i17: ; preds = %.exit
%0 = bitcast %struct.0* %lsr.iv to i32*
%1 = load i32, i32* %0, align 4
  unreachable

sw.bb3.i20: ; preds = %exit
%2 = bitcast %struct.0* %lsr.iv to i8**
%3 = load i8*, i8** %2, align 4
  unreachable

exit.2: ; preds = %exit
%cgep22 = getelementptr %struct.0, %struct.0* %lsr.iv, i32 1
br label %while.body

while.end: ; preds = %entry
  ret void
]
; CHECK-DAG: sshll.2d [[BLOCK0_LO:v[0-9]+]], v0, #0
; CHECK-DAG: sshll.2d [[BLOCK1_LO:v[0-9]+]], v1, #0
; CHECK-DAG: sshll.2d [[BLOCK2_LO:v[0-9]+]], v2, #0
; CHECK-DAG: sshll.2d [[BLOCK3_LO:v[0-9]+]], v3, #0

; Next, convert each to double.
; CHECK-DAG: scvtf.2d v0, [[BLOCK0_LO]]
; CHECK-DAG: scvtf.2d v1, [[BLOCK0_HI]]
; CHECK-DAG: scvtf.2d v2, [[BLOCK1_LO]]
; CHECK-DAG: scvtf.2d v3, [[BLOCK1_HI]]
; CHECK-DAG: scvtf.2d v4, [[BLOCK2_LO]]
; CHECK-DAG: scvtf.2d v5, [[BLOCK2_HI]]
; CHECK-DAG: scvtf.2d v6, [[BLOCK3_LO]]
; CHECK-DAG: scvtf.2d v7, [[BLOCK3_HI]]

; CHECK: ret
;'flt = sitofp <16 x i32> %in to <16 x double>
%res = fdiv <16 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0, double 64.0>
ret <16 x double> %res
}

; This one is small enough to satisfy isSimple, but still illegally large.
define <4 x double> @test_sitofp_fixed_shortish(<4 x i64> %in) {
; CHECK-LABEL: test_sitofp_fixed_shortish:

; CHECK-DAG: scvtf.2d v0, v0
; CHECK-DAG: scvtf.2d v1, v1

; CHECK: ret
;'flt = sitofp <4 x i64> %in to <4 x double>
%res = fdiv <4 x double> %flt, <double 64.0, double 64.0, double 64.0, double 64.0>
ret <4 x double> %res
}

; RUN: opt %s -inline -S | FileCheck %s
define internal void @innerSmall() "min-legal-vector-width"="128" {
    ret void
}

define internal void @innerLarge() "min-legal-vector-width"="512" {
    ret void
}

define internal void @innerNoAttribute() {
    ret void
}
; We should not add an attribute during inlining. No attribute means unknown.  
; Inlining doesn't change the fact that we don't know anything about this  
; function.
define void @outerNoAttribute() {
    call void @innerLarge()
    ret void
}

define void @outerConflictingAttributeSmall() "min-legal-vector-width"="128" {
    call void @innerLarge()
    ret void
}

define void @outerConflictingAttributeLarge() "min-legal-vector-width"="512" {
    call void @innerSmall()
    ret void
}

; We should remove the attribute after inlining since the callee's  
; vector width requirements are unknown.
define void @outerAttribute() "min-legal-vector-width"="128" {
    call void @innerNoAttribute()
    ret void
}

; CHECK: define void @outerNoAttribute() {
; CHECK: define void @outerConflictingAttributeSmall() #0
; CHECK: define void @outerConflictingAttributeLarge() #0
; CHECK: define void @outerAttribute() {
; CHECK: attributes #0 = { "min-legal-vector-width"="512" }

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; RUN: opt -consthoist -S -o - %s | FileCheck %s
target triple = "thumbv6m-none--musleabi"

; Check that for i8 type, the maximum legal offset is 31.
; Also check that an constant used as value to be stored rather than
; pointer in a store instruction is hoisted.
; CHECK: foo_i8
; CHECK-DAG: %[[C1:const[0-9]?:]] = bitcast i32 805874720 to i32
; CHECK-DAG: %[[C2:const[0-9]?:]] = bitcast i32 805874688 to i32
; CHECK-DAG: %[[C3:const[0-9]?:]] = bitcast i32 805873720 to i32
; CHECK-DAG: %[[C4:const[0-9]?:]] = bitcast i32 805873688 to i32
; CHECK: %0 = inttoptr i32 %[[C2]] to i8*
; CHECK-NEXT: %1 = load volatile i8, i8* %0
; CHECK-NEXT: %[[M1:const_mat[0-9]?:]] = add i32 %[[C2]], 4
; CHECK-NEXT: %2 = inttoptr i32 %[[M1]] to i8*
; CHECK-NEXT: %3 = load volatile i8, i8* %2
; CHECK-NEXT: %4 = inttoptr i32 %[[M1]] to i8*
; CHECK-NEXT: %5 = load volatile i8, i8* %4
; CHECK-NEXT: %6 = inttoptr i32 %[[C1]] to i8*
; CHECK-NEXT: %7 = load volatile i8, i8* %6
; CHECK-NEXT: %8 = inttoptr i32 %[[M3]] to i8*
; CHECK-NEXT: %9 = load volatile i8, i8* %8
; CHECK-NEXT: %10 = inttoptr i32 %[[C4]] to i8*
; CHECK-NEXT: store i8 %9, i8* %10
; CHECK-NEXT: %11 = inttoptr i32 %[[M4]] to i8*
; CHECK-NEXT: store i8 %7, i8* %11
; CHECK-NEXT: %12 = inttoptr i32 %[[C3]] to i8*
; CHECK-NEXT: store i8 %5, i8* %12
; CHECK-NEXT: %13 = inttoptr i32 %[[M5]] to i8*
; CHECK-NEXT: store i8 %3, i8* %13
; CHECK-NEXT: %14 = inttoptr i32 %[[M6]] to i8*
define void @foo_i8() {
  entry:
    %0 = load volatile i8, i8* inttoptr (i32 805874688 to i8*)
    %1 = load volatile i8, i8* inttoptr (i32 805874692 to i8*)
    %2 = load volatile i8, i8* inttoptr (i32 805874719 to i8*)
    %3 = load volatile i8, i8* inttoptr (i32 805874720 to i8*)
    %4 = load volatile i8, i8* inttoptr (i32 805874727 to i8*)
    store i8 %4, i8* inttoptr(i32 805873688 to i8*)
    store i8 %3, i8* inttoptr(i32 805873719 to i8*)
    store i8 %2, i8* inttoptr(i32 805873720 to i8*)
    store i8 %1, i8* inttoptr(i32 805873727 to i8*)
    store i8* inttoptr(i32 805874800 to i8*), i8** @goo
  ret void
}

@goo = global i8* undef

; Check that for i16 type, the maximum legal offset is 62.
; CHECK: foo_i16
; CHECK-DAG: %[[C1:const[0-9]??]] = bitcast i32 805874752 to i32
; CHECK-DAG: %[[C2:const[0-9]??]] = bitcast i32 805874688 to i32
; CHECK: %0 = inttoptr i32 %[[C2]] to i16*
; CHECK-NEXT: %1 = load volatile i16, i16* %0, align 2
; CHECK-NEXT: %[[M1:const_mat[0-9]??]] = add i32 %[[C2]], 4
; CHECK-NEXT: %2 = inttoptr i32 %[[M1]] to i16*
; CHECK-NEXT: %3 = load volatile i16, i16* %2, align 2
; CHECK-NEXT: %[[M2:const_mat[0-9]??]] = add i32 %[[C2]], 32
; CHECK-NEXT: %4 = inttoptr i32 %[[M2]] to i16*
; CHECK-NEXT: %5 = load volatile i16, i16* %4, align 2
; CHECK-NEXT: %[[M3:const_mat[0-9]??]] = add i32 %[[C2]], 62
; CHECK-NEXT: %6 = inttoptr i32 %[[M3]] to i16*
; CHECK-NEXT: %7 = load volatile i16, i16* %6, align 2
; CHECK-NEXT: %8 = inttoptr i32 %[[C1]] to i16*
; CHECK-NEXT: %9 = load volatile i16, i16* %8, align 2
; CHECK-NEXT: %[[M4:const_mat[0-9]??]] = add i32 %[[C1]], 22
; CHECK-NEXT: %10 = inttoptr i32 %[[M4]] to i16*
; CHECK-NEXT: %11 = load volatile i16, i16* %10, align 2

define void @foo_i16() {
  entry:
    %0 = load volatile i16, i16* inttoptr (i32 805874688 to i16*), align 2
    %1 = load volatile i16, i16* inttoptr (i32 805874692 to i16*), align 2
    %2 = load volatile i16, i16* inttoptr (i32 805874720 to i16*), align 2
    %3 = load volatile i16, i16* inttoptr (i32 805874750 to i16*), align 2
    %4 = load volatile i16, i16* inttoptr (i32 805874752 to i16*), align 2
    %5 = load volatile i16, i16* inttoptr (i32 805874774 to i16*), align 2
Check that for i32 type, the maximum legal offset is 124.

CHECK: foo_i32
CHECK-DAG: %[[C1:const[0-9]??]] = bitcast i32 805874816 to i32
CHECK-DAG: %[[C2:const[0-9]??]] = bitcast i32 805874688 to i32
CHECK: %0 = inttoptr i32 %[[C2]] to i32*
CHECK-NEXT: %1 = load volatile i32, i32* %0, align 4
CHECK-NEXT: %[[M1:const_mat[0-9]??]] = add i32 %[[C2]], 4
CHECK-NEXT: %2 = inttoptr i32 %[[M1]] to i32*
CHECK-NEXT: %3 = load volatile i32, i32* %2, align 4
CHECK-NEXT: %[[M2:const_mat[0-9]??]] = add i32 %[[C2]], 124
CHECK-NEXT: %4 = inttoptr i32 %[[M2]] to i32*
CHECK-NEXT: %5 = load volatile i32, i32* %4, align 4
CHECK-NEXT: %[[M3:const_mat[0-9]??]] = add i32 %[[C1]], 8
CHECK-NEXT: %6 = inttoptr i32 %[[M3]] to i32*
CHECK-NEXT: %7 = load volatile i32, i32* %6, align 4
CHECK-NEXT: %[[M4:const_mat[0-9]??]] = add i32 %[[C1]], 12
CHECK-NEXT: %8 = inttoptr i32 %[[M4]] to i32*
CHECK-NEXT: %9 = load volatile i32, i32* %8, align 4
CHECK-NEXT: %[[M5:const_mat[0-9]??]] = add i32 %[[C1]], 8
CHECK-NEXT: %10 = inttoptr i32 %[[M5]] to i32*
CHECK-NEXT: %11 = load volatile i32, i32* %10, align 4

define void @foo_i32() {
entry:
%0 = load volatile i32, i32* inttoptr (i32 805874688 to i32*), align 4
%1 = load volatile i32, i32* inttoptr (i32 805874692 to i32*), align 4
%2 = load volatile i32, i32* inttoptr (i32 805874688 to i32*), align 4
%3 = load volatile i32, i32* inttoptr (i32 805874812 to i32*), align 4
%4 = load volatile i32, i32* inttoptr (i32 805874816 to i32*), align 4
%5 = load volatile i32, i32* inttoptr (i32 805874824 to i32*), align 4
ret void
}

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Albert Pretorius <pretoalb@gmail.com>
Arne Beer <arne@twobeer.de>
Billy Robert O'Neal III <billy.oneal@gmail.com> <bion@microsoft.com>
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Felix Homann <linuxaudio@showlabor.de>
Ismael Jimenez Martinez <ismael.jimenez.martinez@gmail.com>
Jern-Kuan Leong <jernkuan@gmail.com>
JianXiong Zhou <zhoujianxiong2@gmail.com>
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Ray Glover <ray.glover@uk.ibm.com>
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Roman Lebedev <lebedev.ri@gmail.com>
Shuo Chen <chenshuo@chenshuo.com>
Tobias Ulvgrd <tobias.ulvgard@dirac.se>
Tom Madams <tom.ej.madams@gmail.com> <tmadams@google.com>
Yixuan Qiu <yixuanq@gmail.com>
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; RUN: llc < %s -mtriple=x86_64-linux-android -mattr=+mmx -enable-legalize-types-checking | FileCheck %s
; D31946
; Check that we dont end up with the "LLVM ERROR: Cannot select" error.
; Additionally ensure that the output code actually put fp128 values in SSE registers.

declare fp128 @llvm.fabs.f128(fp128)
declare fp128 @llvm.copysign.f128(fp128, fp128)

define fp128 @TestSelect(fp128 %a, fp128 %b) {
    %cmp = fcmp ogt fp128 %a, %b
    %sub = fsub fp128 %a, %b
    %res = select i1 %cmp, fp128 %sub, fp128 0xL00000000000000000000000000000000
    ret fp128 %res
} CHECK-LABEL: TestSelect:
; CHECK movaps 16(%rsp), %xmm1
; CHECK-NEXT callq __subtf3
; CHECK-NEXT testl %ebx, %ebx
; CHECK-NEXT jg .LBB0_2
define fp128 @TestFabs(fp128 %a) {
    %res = call fp128 @llvm.fabs.f128(fp128 %a)
    ret fp128 %res
}

define fp128 @TestCopysign(fp128 %a, fp128 %b) {
    %res = call fp128 @llvm.copysign.f128(fp128 %a, fp128 %b)
    ret fp128 %res
}

define fp128 @TestFneg(fp128 %a) {
    %mul = fmul fp128 %a, %a
    %res = fsub fp128 0xL00000000000000008000000000000000, %mul
    ret fp128 %res
}

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1.913 hibernate-ehcache 3.3.2.GA

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1.914 aws-java-sdk-core 1.11.61

1.915 jackson-module-parameter-names

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1.926 tiles-freemarker 3.0.8
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1.928 metrics-annotation 4.0.5

1.929 vim 7.4.160 1.el7
1.929.1 Available under license :

*uganda.txt*    For Vim version 7.4.  Last change: 2013 Jul 06

VIM REFERENCE MANUAL    by Bram Moolenaar

*uganda* *Uganda* *copying* *copyright* *license*

SUMMARY

*iccf* *ICCF*

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- If you want to support further Vim development consider becoming a [sponsor]. The money goes to Uganda anyway.

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

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

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

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

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

There is a small clinic at the project, which provides children and their family with medical help. When needed, transport to a hospital is offered. Immunization programs are carried out and help is provided when an epidemic is breaking out (measles and cholera have been a problem).
Summer 1994 to summer 1995 I spent a whole year at the centre, working as a volunteer. I have helped to expand the centre and worked in the area of water and sanitation. I learned that the help that the KCC provides really helps. When I came back to Holland, I wanted to continue supporting KCC. To do this I'm raising funds and organizing the sponsorship program. Please consider one of these possibilities:

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

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

How do you know that the money will be spent right? First of all you have my personal guarantee as the author of Vim. I trust the people that are working at the centre, I know them personally. Further more, the centre has been co-sponsored and inspected by World Vision, Save the Children Fund and is now under the supervision of Pacific Academy Outreach Society. The centre is visited about once a year to check the progress (at our own cost). I have visited the centre myself many times, starting in 1993. The visit reports are on the ICCF web site.

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

The address of the centre is:
Kibaale Children's Centre
p.o. box 1658
Masaka, Uganda, East Africa

Sending money:*iccf-donations*

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

USA: The methods mentioned below can be used.
Sending a check to the Nehemiah Group Outreach Society (NGOS) is no longer possible, unfortunately. We are looking for another way to get you an IRS tax receipt.
For sponsoring a child contact KCF in Canada (see below). US checks can be sent to them to lower banking costs.

Canada: Contact Kibaale Children’s Fund (KCF) in Surrey, Canada. They
take care of the Canadian sponsors for the children in
Kibaale. KCF forwards 100% of the money to the project in
Uganda. You can send them a one time donation directly.
Please send me a note so that I know what has been donated
because of Vim. Ask KCF for information about sponsorship.
Kibaale Children's Fund c/o Pacific Academy
10238-168 Street
Surrey, B.C. V4N 1Z4
Canada
Phone: 604-581-5353
If you make a donation to Kibaale Children's Fund (KCF) you
will receive a tax receipt which can be submitted with your
tax return.

Holland: Transfer to the account of "Stichting ICCF Holland" in Lisse.
This will allow for tax deduction if you live in Holland.
Postbank, nr. 4548774
IBAN: NL95 INGB 0004 5487 74

Germany: It is possible to make donations that allow for a tax return.
Check the ICCF web site for the latest information:
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currency if possible.

Europe: Use a bank transfer if possible. Your bank should have a form
that you can use for this. See "Others" below for the swift
code and IBAN number.
Any other method should work. Ask for information about
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The e-mail address for sending the money to is:
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For amounts above 400 Euro ($500) sending a check is
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Swift code: INGB NL 2A
IBAN: NL95 INGB 0004 5487 74
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vim:tw=78:ts=8:et=help:norl:
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Arnaud LE HORS BULL Research FRANCE -- Koala Project
(XPM - X PixMap format version 2 & 3)
Internet: lehors@sophia.inria.fr
Surface Mail: Arnaud LE HORS, INRIA - Sophia Antipolis,
2004, route des Lucioles, 06565 Valbonne Cedex -- FRANCE
Voice phone: (33) 93.65.77.71, Fax: (33) 93 65 77 66, Telex: 97 00 50 F
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* /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src-zip/org/objectweb/asm/tree/analysis/Interpreter.java
* /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src-zip/org/objectweb/asm/ClassVisitor.java
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* /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src-zip/org/objectweb/asm/Item.java
* /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src-zip/org/objectweb/asm/ClassReader.java
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* /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src-zip/org/objectweb/asm/tree/TryCatchBlockNode.java
* /opt/cola/permits/1000765247_1607068572.51/0/asm-attrs-src-zip/org/objectweb/asm/Label.java
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*/

Found in path(s):
* /opt/cola/permits/1258047540_1643026979.07/0/axis2-scripting-1-4-sources-
  jar/org/apache/axis2/scripting/ScriptRepositoryListener.java
* /opt/cola/permits/1258047540_1643026979.07/0/axis2-scripting-1-4-sources-
  jar/org/apache/axis2/scripting/ScriptMessageContext.java
* /opt/cola/permits/1258047540_1643026979.07/0/axis2-scripting-1-4-sources-
  jar/org/apache/axis2/scripting/convertors/JSOMElementConvertor.java
* /opt/cola/permits/1258047540_1643026979.07/0/axis2-scripting-1-4-sources-
  jar/org/apache/axis2/scripting/ScriptDeploymentEngine.java
* /opt/cola/permits/1258047540_1643026979.07/0/axis2-scripting-1-4-sources-
  jar/org/apache/axis2/scripting/ScriptModule.java
* /opt/cola/permits/1258047540_1643026979.07/0/axis2-scripting-1-4-sources-
  jar/org/apache/axis2/scripting/convertors/OMElementConvertor.java
* /opt/cola/permits/1258047540_1643026979.07/0/axis2-scripting-1-4-sources-
  jar/org/apache/axis2/scripting/convertors/ConvertorFactory.java
* /opt/cola/permits/1258047540_1643026979.07/0/axis2-scripting-1-4-sources-
  jar/org/apache/axis2/scripting/ScriptInvoker.java
* /opt/cola/permits/1258047540_1643026979.07/0/axis2-scripting-1-4-sources-
  jar/org/apache/axis2/scripting/convertors/DefaultOMElementConvertor.java
* /opt/cola/permits/1258047540_1643026979.07/0/axis2-scripting-1-4-sources-
  jar/org/apache/axis2/scripting/convertors/RBOMElementConvertor.java
* /opt/cola/permits/1258047540_1643026979.07/0/axis2-scripting-1-4-sources-
  jar/org/apache/axis2/scripting/ScriptReceiver.java
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* /opt/cola/permits/1258047540_1643026979.07/0/axis2-scripting-1-4-sources-jar/META-INF/module.xml

1.959 newt 0.52.15 4.el7
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1.962 util-linux 2.23.2-59.el7

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*/

size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0
---

#1: 32 7648 0x83
#2: 7680 8704 0xa5
#5: 7936 4864 0x7 (freebsd)
#6: 12544 3584 0x7 (freebsd)

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Initialize empty image
f1c9645d6bc14efddc7d8a322685f26eb bsd.img
Create new DOS partition table
57e721e38d1266c2df055067c18f2c9 bsd.img

---layout--------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start End Blocks Id System
-------------------
Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout--------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

Device Boot Start End Blocks Id System
__ts_dev__1 2048 4095 1024 83 Linux
-------------------
Create 2st primary partition
1bebf87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8df51a88a045db233418dd73f9 bsd.img

---layout--------
__ts_dev__: 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

<table>
<thead>
<tr>
<th>Device Boot</th>
<th>Start</th>
<th>End</th>
<th>Blocks</th>
<th>Id</th>
<th>System</th>
</tr>
</thead>
<tbody>
<tr>
<td>__ts_dev__1</td>
<td>2048</td>
<td>4095</td>
<td>1024</td>
<td>83</td>
<td>Linux</td>
</tr>
<tr>
<td>__ts_dev__2</td>
<td>4096</td>
<td>20479</td>
<td>8192</td>
<td>a5</td>
<td>FreeBSD</td>
</tr>
</tbody>
</table>

Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img

---layout--------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
# start  end  size  fstype [fsizes bsize cpg]
c: 4096 20479 16384 unused 0 0
d: 0 16064 16065 unused 0 0

BSD disklabel command (m for help):
Command (m for help):
-------------------

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout--------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
# start  end  size  fstype [fsizes bsize cpg]
a: 4096 6144 2049 4.2BSD 0 0 0
c: 4096 20479 16384 unused 0 0
d: 0 16064 16065 unused 0 0

BSD disklabel command (m for help):
Command (m for help):
-------------------
Changes will remain in memory only, until you decide to write them. Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
0  unused           5  4.1BSD         9  4.4LFS           d  boot
1  swap             6  Eighth Edition a  unknown          e  ADOS
2  Version 6        7  4.2BSD        b  HPFS           f  HFS
3  Version 7        8  MS-DOS         c  ISO-9660        10  AdvFS
4  System V

BSD disklabel command (m for help):

1.963 spring-web 4.3.14.RELEASE

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* /opt/cola/permits/1111391392_1606905837.82/0/spring-web-4-3-14-release-sources-1-
  jar/org/springframework/http/converter/json/GsonBuilderUtils.java
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  jar/org/springframework/web/context/request/RequestContextListener.java
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jar/org/springframework/web/bind/annotation/MatrixVariable.java
* /opt/cola/permits/1111391392_1606905837.82/0/spring-web-4-3-14-release-sources-1-jar/org/springframework/http/client/BufferingClientHttpResponseWrapper.java
* /opt/cola/permits/1111391392_1606905837.82/0/spring-web-4-3-14-release-sources-1-jar/org/springframework/web/context/request/async/CallableProcessingInterceptorAdapter.java
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* /opt/cola/permits/1111391392_1606905837.82/0/spring-web-4-3-14-release-sources-1-jar/org/springframework/web/bind/annotation/ExceptionHandler.java
* /opt/cola/permits/1111391392_1606905837.82/0/spring-web-4-3-14-release-sources-1-jar/org/springframework/web/multipart/support/AbstractMultipartHttpServletRequest.java
* /opt/cola/permits/1111391392_1606905837.82/0/spring-web-4-3-14-release-sources-1-jar/org/springframework/web/context/ContextLoaderListener.java
* /opt/cola/permits/1111391392_1606905837.82/0/spring-web-4-3-14-release-sources-1-jar/org/springframework/web/context/request/async/DeferredResultProcessingInterceptor.java
* /opt/cola/permits/1111391392_1606905837.82/0/spring-web-4-3-14-release-sources-1-jar/org/springframework/web/bind/support/DefaultDataBinderFactory.java
* /opt/cola/permits/1111391392_1606905837.82/0/spring-web-4-3-14-release-sources-1-jar/org/springframework/http/HttpMessageNotReadableException.java
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* /opt/cola/permits/1111859796_1606994176.94/0/netty-transport-native-epoll-4-1-32-final-sources-
  jar/io/netty/channel/epoll/AbstractEpollChannel.java
* /opt/cola/permits/1111859796_1606994176.94/0/netty-transport-native-epoll-4-1-32-final-sources-
  jar/io/netty/channel/epoll/EpollServerSocketChannel.java
* /opt/cola/permits/1111859796_1606994176.94/0/netty-transport-native-epoll-4-1-32-final-sources-
  jar/io/netty/channel/epoll/package-info.java
* /opt/cola/permits/1111859796_1606994176.94/0/netty-transport-native-epoll-4-1-32-final-sources-
  jar/io/netty/channel/epoll/EpollSocketChannel.java
* /opt/cola/permits/1111859796_1606994176.94/0/netty-transport-native-epoll-4-1-32-final-sources-
  jar/io/netty/channel/epoll/EpollDatagramChannel.java
* /opt/cola/permits/1111859796_1606994176.94/0/netty-transport-native-epoll-4-1-32-final-sources-
  jar/io/netty/channel/epoll/EpollEventLoop.java
* /opt/cola/permits/1111859796_1606994176.94/0/netty-transport-native-epoll-4-1-32-final-sources-
  jar/io/netty/channel/epoll/Epoll.java
* /opt/cola/permits/1111859796_1606994176.94/0/netty-transport-native-epoll-4-1-32-final-sources-
jar/io/netty/channel/epoll/EpollEventLoopGroup.java
* /opt/cola/permits/1111859796_1606994176.94/0/netty-transport-native-epoll-4-1-32-final-sources-
jar/io/netty/channel/epoll/EpollChannelOption.java
* /opt/cola/permits/1111859796_1606994176.94/0/netty-transport-native-epoll-4-1-32-final-sources-
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*/opt/cola/permits/1111859796_1606994176.94/0/netty-transport-native-epoll-4-1-32-final-sources-jar/jar/io/netty/channel/epoll/EpollSocketChannelConfig.java
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* /opt/cola/permits/1111859796_1606994176.94/0/netty-transport-native-epoll-4-1-32-final-sources-jar/io/netty/channel/epoll/EpollRecvByteAllocatorStreamingHandle.java
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* /opt/cola/permits/1111859796_1606994176.94/0/netty-transport-native-epoll-4-1-32-final-sources-jar/io/netty/channel/epoll/TcpMd5Util.java

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End

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish
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https://glassfish.dev.java.net/nonav/public/CDDL/GPL.html

* javax.servlet:javax.servlet-api  
* javax.annotation:javax.annotation-api  
* javax.transaction:javax.transaction-api  
* javax.websocket:javax.websocket-api

Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons  
org.ow2.asm:asm

Apache

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org.apache.taglibs:taglibs-standard-spec  
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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/**
 * Thrown during bytecode enhancement conversions of ognl expressions to indicate
 * that a certain expression isn't currently supported as a pure java bytecode enhanced
 * version.
 * *
 * <p>
 * If this exception is thrown it is expected that ognl will fall back to default ognl
 * evaluation of the expression.
 * </p>
 * *
 * @author jkuhnert
 */

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* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTSequence.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/NoSuchPropertyException.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ArrayElementsAccessor.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/IteratorElementsAccessor.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ElementsAccessor.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/OgnlException.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTSelectFirst.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTSelectLast.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/DynamicSubscript.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ObjectElementsAccessor.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/CollectionElementsAccessor.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/DefaultTypeConverter.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTShiftRight.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTInstanceOf.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTInstanceof.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTNotIn.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTAnd.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTOr.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTEq.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTNotEq.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTGreater.java
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* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/EnhancedClassLoader.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/OgnlInvokePermission.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/OgnlRuntime.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/MapPropertyAccessor.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTEval.java
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* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/ASTRootVarRef.java
* /opt/ws_local/PERMITS_SQL/1033511556_1591844604.5/0/ognl-3-1-21-sources-jar/ognl/OgnlSelect.java
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## Harfbuzz v2.7.2

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<tr>
<td>Main Mesa code</td>
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<td>MIT, generally</td>
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<td>Gallium code</td>
<td>src/gallium/</td>
<td>MIT</td>
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Ext headers       GL/glext.h       Khronos
           GL/glxt.h       Khronos
           GL/wglext.h       Khronos
       KHR/khrplatform.h       Khronos

*****************************************************************************

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include/GL/glxt.h
include/GL/wglext.h :

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* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-
  jar/org/objectweb/asm/xml/SAXAdapter.java
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-
  jar/org/objectweb/asm/xml/SAXCodeAdapter.java
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-
  jar/org/objectweb/asm/xml/SAXClassAdapter.java
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-
  jar/org/objectweb/asm/xml/ASMContentHandler.java
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-
  jar/org/objectweb/asm/xml/Processor.java
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-
  jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java

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  * /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-jar/org/objectweb/asm/package.html
  * /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-jar/org/objectweb/asm/tree/analysis/package.html
  * /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-jar/org/objectweb/asm/tree/package.html
  * /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-jar/org/objectweb/asm/signature/package.html
  * /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-jar/org/objectweb/asm/util/package.html
  * /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-jar/org/objectweb/asm/attrs/package.html
  * /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-jar/org/objectweb/asm/commons/package.html

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* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-jar/org/objectweb/asm/util/Traceable.java
* /opt/cola/permits/1128777990_1612054951.89/0/asm-all-3-3-1-sources-4-jar/org/objectweb/asm/util/ASMifiable.java

1.993 libxkbcommon 0.7.1 1.el7

1.994 microcode-ctl 2.1
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This update supersedes microcode provided by Red Hat with the CVE-2017-5715 (Spectre)
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<td>GL/glext.h</td>
<td>Khronos</td>
</tr>
<tr>
<td></td>
<td>GL/glxext.h</td>
<td>Khronos</td>
</tr>
<tr>
<td></td>
<td>GL/wglext.h</td>
<td>Khronos</td>
</tr>
<tr>
<td></td>
<td>KHR/khrplatform.h</td>
<td>Khronos</td>
</tr>
</tbody>
</table>

Mesa 3-D graphics library

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*****************************************************************************

----

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include/GL/glxext.h
include/GL/wglxext.h :

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* /opt/cola/permits/1099822672_1602575362.11/0/ognl-3-1-26-jar/META-INF/maven/ognl/ognl/pom.xml

1.999 jsmn
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1.1000 jackson-jaxrs 1.9.2

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1.1001 commons-el 5.5.23

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1.1003 accessors-smart 1.1

1.1004 json-c 0.11 4.el7_0

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1.1008 zlib 1.2.5

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/* zlib.h -- interface of the 'zlib' general purpose compression library
   version 1.2.11, January 15th, 2017

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1.1009 commons-dbcp 2.6.0

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1.1010 yum 3.4.3

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* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/annotation/AnnotatedBeanDefinition.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/annotation/AnnotatedGenericBeanDefinition.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/notReadablePropertyException.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/xml/XmlReaderContext.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/InstantiationStrategy.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/PropertyDescriptorUtils.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/config/MethodInvokingBean.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/xml/AbstractSimpleBeanDefinitionParser.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/ReplaceOverride.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-jar/org/springframework/beans/factory/support/MethodOverride.java

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  jar/org/springframework/beans/factory/config/BeanDefinitionVisitor.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
  jar/org/springframework/beans/factory/BeanNameAware.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
  jar/org/springframework/beans/factory/annotation/Qualifier.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
  jar/org/springframework/beans/factory/xml/BeanDefinitionParser.java
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  jar/org/springframework/beans/factory/Aware.java

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  jar/org/springframework/beans/SimpleTypeConverter.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
  jar/org/springframework/beans/ExtendedBeanInfoFactory.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-

jar/org/springframework/beans/BeanInfoFactory.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
jar/org/springframework/beans/factory/xml/XmlBeanDefinitionReader.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
jar/org/springframework/beans/factory/config/PropertyOverrideConfigurer.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
jar/org/springframework/beans/factory/config/TypedStringValue.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
jar/org/springframework/beans/factory/config/CustomEditorConfigurer.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
jar/org/springframework/beans/factory/groovy/GroovyBeanDefinitionWrapper.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
jar/org/springframework/beans/factory/support/AutowireCandidateResolver.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
jar/org/springframework/beans/factory/groovy/GroovyDynamicElementReader.groovy
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
jar/org/springframework/beans/factory/support/TypeConverter.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
jar/org/springframework/beans/factory/support/AbstractBeanDefinitionReader.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
jar/org/springframework/beans/factory/support/PropertiesBeanDefinitionReader.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
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* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
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* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
jar/org/springframework/beans/factory/wiring/BeanConfigurerSupport.java
* /opt/cola/permits/1111391371_1606905946.47/0/spring-beans-4-3-14-release-sources-1-
jar/org/springframework/beans/propertyeditors/TimeZoneEditor.java

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1.1012 dom4j 1.1

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**1.1026 tomcat-jsp-api 8.0.43**

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1.1028 xorg-x11-fonts 7.5

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  */opt/cola/permits/1263969723_1643733444.47/0/markhobson-jtype-0-1-0-0-gfa41153-tar-gz/markhobson-jtype-fa41153/src/test/java/com/googlecode/jtype/GenericTest.java
1.1042 libpciaccess 0.14-1.el7

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1.1043 woodstox-core-asl 4.0.8

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* /opt/cola/permits/1139217254_1614469600.87/0/woodstox-core-asl-4-0-8-sources-2-jar/com/ctc/wstx/dtd/DFAVValidator.java
* /opt/cola/permits/1139217254_1614469600.87/0/woodstox-core-asl-4-0-8-sources-2-jar/com/ctc/wstx/dtd/StructValidator.java
* /opt/cola/permits/1139217254_1614469600.87/0/woodstox-core-asl-4-0-8-sources-2-jar/com/ctc/wstx/dtd/ContentSpec.java

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* /opt/cola/permits/1139217254_1614469600.87/0/woodstox-core-asl-4-0-8-sources-2-
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* /opt/cola/permits/1139217254_1614469600.87/0/woodstox-core-asl-4-0-8-sources-2-jar/com/ctc/wstx/sw/TypedStreamWriter.java
* /opt/cola/permits/1139217254_1614469600.87/0/woodstox-core-asl-4-0-8-sources-2-jar/com/ctc/wstx/io/WstxInputSource.java
* /opt/cola/permits/1139217254_1614469600.87/0/woodstox-core-asl-4-0-8-sources-2-jar/com/ctc/wstx/dtd/MinimalDTDReader.java
* /opt/cola/permits/1139217254_1614469600.87/0/woodstox-core-asl-4-0-8-sources-2-jar/com/ctc/wstx/sw/BufferingXmlWriter.java
* /opt/cola/permits/1139217254_1614469600.87/0/woodstox-core-asl-4-0-8-sources-2-jar/com/ctc/wstx/sw/BasicStreamReader.java
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* /opt/cola/permits/1139217254_1614469600.87/0/woodstox-core-asl-4-0-8-sources-2-jar/com/ctc/wstx/sw/BaseStreamWriter.java
* /opt/cola/permits/1139217254_1614469600.87/0/woodstox-core-asl-4-0-8-sources-2-jar/com/ctc/wstx/sw/DTDValidatorBase.java
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* /opt/cola/permits/1139217254_1614469600.87/0/woodstox-core-asl-4-0-8-sources-2.jar/com/ctc/wstx/io/UTF8Reader.java
* /opt/cola/permits/1139217254_1614469600.87/0/woodstox-core-asl-4-0-8-sources-2.jar/com/ctc/wstx/evt/BaseStartElement.java
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1.1044 commons-collections 3.2.2

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Version 2.1, February 1999

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==================

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http://www.w3.org/DOM/DOMTR

The actual classes of The Simple API for CSS (SAC) came from:
http://www.w3.org/Style/CSS/SAC/
http://www.w3.org/2002/06/sacjava-1.3.zip

The actual DOM Java Language Binding classes for SMIL came from:
http://dev.w3.org/cvsweb/java/classes/org/w3c/dom/smil/
(both ElementTimeControl.java and TimeEvent.java were taken at revision 1.1)

The actual DOM Java Language Binding classes for SVG 1.1 came from:
http://www.w3.org/TR/SVG11/java.html

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Calling this script install-sh is preferred over install.sh, to prevent
`make' implicit rules from creating a file called install from it
when there is no Makefile.

This script is compatible with the BSD install script, but was written
from scratch. It can only install one file at a time, a restriction
shared with many OS's install programs.

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-- vile: txtmode file-encoding=utf-8
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1.1056 iotop 0.6

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1.1072 httpcomponents-mime 4.5.12

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/*
 * Outer class that exists solely to let us write {@link Partially.GwtIncompatible} instead of plain
 * {@link PartiallyIncompatible}. This is more accurate for Futures#catching, which is available
 * under GWT but with a slightly different signature.
 *
 * <p>We can't use PartiallyGwtIncompatible because then the GWT compiler wouldn't recognize
 * it as a PartiallyIncompatible annotation. And for Futures.catching, we need the GWT
 * compiler to autostrip the normal server method in order to expose the special, inherited GWT
 * version.
 */

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  jar/com/google/common/collection/CollectSpliterators.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/graph/package-info.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/collection/ImmutableBiMapFauxverideShim.java
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/collection/ImmutableMapEntrySet.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/collection/StandardTable.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
  jar/com/google/common/collection/RegularImmutableMap.java
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/util/concurrent/TrustedListenableFutureTask.java
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jar/com/google/common/eventbus/Subscriber.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/eventbus/Dispatcher.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/base/MoreObjects.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/math/Quantiles.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/eventbus/SubscriberRegistry.java

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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collect/JdkBackedImmutableBiMap.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collect/IndexedImmutableSet.java
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/TreeTraverser.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/ForwardingDeque.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/FilteredSetMultimap.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/ForwardingNavigableMap.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/FilteredKeyListMultimap.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/CompactLinkedHashSet.java
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/collection/FilteredEntryMultimap.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/collection/FilteredEntrySetMultimap.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/collection/CompactHashSet.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/collection/CompactLinkedHashMap.java
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/ /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/eventbus/SubscriberExceptionContext.java
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/**
 * Not supported. <b>You are attempting to create a map that may contain a non-{@link Comparable} key.</b> Proper calls will resolve to the version in {@link ImmutableSortedMap}, not this dummy version.
 * @throws UnsupportedOperationException always
 * @deprecated <b>Pass a key of type {@link Comparable} to use {@link ImmutableSortedMap#of(Comparable, Object)}.</b>
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  */opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1.jar/com/google/common/util/concurrent/ExecutionError.java
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/hash/Funnel.java
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* As of 2010/06/11, this method is identical to the (package private) hash method in OpenJDK 7's
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/SingletonImmutableTable.java
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-jar/com/google/common/collection/ComparisonChain.java
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jar/com/google/common/graph/EndpointPair.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/graph/AbstractValueGraph.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
jar/com/google/common/graph/MapIteratorCache.java
* /opt/ws_local/PERMITS_SQL/1068237382_1594326407.23/0/guava-28-0-jre-sources-1-
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#
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"""copyright.py
This script updates the list of years in the copyright notices in
most files maintained by the GDB project.
Usage: cd src/gdb && python copyright.py
Always review the output of this script before committing it!
A useful command to review the output is:
% filterdiff -x \*.c -x \*.cc -x \*.h -x \*.exp updates.diff
This removes the bulk of the changes which are most likely to be correct.
"""
import datetime
import os
import os.path
import subprocess

def get_update_list():
"""Return the list of files to update.
Assumes that the current working directory when called is the root
of the GDB source tree (NOT the gdb/ subdirectory!). The names of

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the files are relative to that root directory.

```python
result = []
for gdb_dir in ('gdb', 'sim', 'include/gdb'):
    for root, dirs, files in os.walk(gdb_dir, topdown=True):
        for dirname in dirs:
            reldirname = "%s/%s" % (root, dirname)
            if (dirname in EXCLUDE_ALL_LIST
                or reldirname in EXCLUDE_LIST
                or reldirname in NOT_FSF_LIST
                or reldirname in BY_HAND):
                # Prune this directory from our search list.
                dirs.remove(dirname)
        for filename in files:
            relpath = "%s/%s" % (root, filename)
            if (filename in EXCLUDE_ALL_LIST
                or relpath in EXCLUDE_LIST
                or relpath in NOT_FSF_LIST
                or relpath in BY_HAND):
                # Ignore this file.
                pass
            else:
                result.append(relpath)
return result
```

```python
def update_files(update_list):
    """Update the copyright header of the files in the given list.

    We use gnulib's update-copyright script for that.
    ""
    # We want to use year intervals in the copyright notices, and
    # all years should be collapsed to one single year interval,
    # even if there are "holes" in the list of years found in the
    # original copyright notice (OK'ed by the FSF, case [gnu.org #719834]).
    os.environ['UPDATE_COPYRIGHT_USE_INTERVALS'] = '2'

    # Perform the update, and save the output in a string.
    update_cmd = ['bash', 'gdb/gnulib/import/extra/update-copyright']
    update_cmd += update_list

    p = subprocess.Popen(update_cmd, stdout=subprocess.PIPE,
                         stderr=subprocess.STDOUT)
    update_out = p.communicate()[0]

    # Process the output. Typically, a lot of files do not have
    # a copyright notice :-(. The update-copyright script prints
    # a well defined warning when it did not find the copyright notice.
```
# For each of those, do a sanity check and see if they may in fact  
# have one. For the files that are found not to have one, we filter  
# the line out from the output, since there is nothing more to do,  
# short of looking at each file and seeing which notice is appropriate.  
# Too much work! (~4,000 files listed as of 2012-01-03).  
update_out = update_out.splitlines()  
warning_string = ': warning: copyright statement not found'  
warning_len = len(warning_string)  

for line in update_out:  
    if line.endswith('n'):  
        line = line[:-1]  
    if line.endswith(warning_string):  
        filename = line[:-warning_len]  
        if may_have_copyright_notice(filename):  
            print line  
        else:  
            # Unrecognized file format. !?!!  
            print "***" + line

def may_have_copyright_notice(filename):  
    """Check that the given file does not seem to have a copyright notice.  
    The filename is relative to the root directory.  
    This function assumes that the current working directory is that root  
    directory.  
    The algorithm is fairly crude, meaning that it might return  
    some false positives. I do not think it will return any false  
    negatives... We might improve this function to handle more  
    complex cases later...  
    """  
    # For now, it may have a copyright notice if we find the word  
    # "Copyright" at the (reasonable) start of the given file, say  
    # 50 lines...  
    MAX_LINES = 50  

    fd = open(filename)  

    lineno = 1  
    for line in fd:  
        if 'Copyright' in line:  
            return True  
        lineno += 1  
        if lineno > 50:  
            return False  
    return False
def main ():
    """The main subprogram."""
    if not os.path.isfile("gnulib/import/extra/update-copyright"): 
        print "Error: This script must be called from the gdb directory."
    root_dir = os.path.dirname(os.getcwd())
    os.chdir(root_dir)

    update_list = get_update_list()
    update_files (update_list)

    # Remind the user that some files need to be updated by HAND...
    if BY_HAND:
        print
        print "\033[31mREMINDER: The following files must be updated by hand." \ 
        "033[0m"
        for filename in BY_HAND + MULTIPLE_COPYRIGHT_HEADERS:
            print "  ", filename

########################################################################
# Some constants, placed at the end because they take up a lot of room.
# The actual value of these constants is not significant to the understanding
# of the script.
#
########################################################################

# Files which should not be modified, either because they are
# generated, non-FSF, or otherwise special (e.g. license text,
# or test cases which must be sensitive to line numbering).
#
# Filenames are relative to the root directory.
EXCLUDE_LIST = ( 'gdb/CONTRIBUTE', 'gdb/gnulib' )

# Files which should not be modified, either because they are
# generated, non-FSF, or otherwise special (e.g. license text,
# or test cases which must be sensitive to line numbering).
#
# Matches any file or directory name anywhere. Use with caution.
# This is mostly for files that can be found in multiple directories.
# Eg: We want all files named COPYING to be left untouched.
EXCLUDE_ALL_LIST = ( "COPYING", "COPYING.LIB", "CVS", "configure", "copying.c", 

"fdl.texi", "gpl.texi", "alocal.m4",
)

# The list of files to update by hand.
BY_HAND = (  
    # These files are sensitive to line numbering.
    "gdb/testsuite/gdb.base/step-line.inp",
    "gdb/testsuite/gdb.base/step-line.c",
)

# Files containing multiple copyright headers. This script is only
# fixing the first one it finds, so we need to finish the update
# by hand.
MULTIPLE_COPYRIGHT_HEADERS = (  
    "gdb/doc/gdb.texinfo",
    "gdb/doc/refcard.tex",
    "gdb/gdbarch.sh",
)

# The list of file which have a copyright, but not head by the FSF.
# Filenames are relative to the root directory.
NOT_FSF_LIST = (  
    "gdb/exc_request.defs",
    "gdb/gdtbk",
    "gdb/testsuite/gdb-gdtbk/",
    "sim/arm/armemu.h", "sim/arm/armos.c", "sim/arm/gdbhost.c",
    "sim/arm/dbg_hif.h", "sim/arm/dbg_conf.h", "sim/arm/communicate.h",
    "sim/arm/armos.h", "sim/arm/armcopro.c", "sim/arm/armemu.c",
    "sim/arm/kid.c", "sim/arm/thumbemu.c", "sim/arm/armdefs.h",
    "sim/arm/armopts.h", "sim/arm/dbg_cp.h", "sim/arm/dbg_rdi.h",
    "sim/arm/parent.c", "sim/arm/armsupp.c", "sim/arm/armrdi.c",
    "sim/arm/bag.c", "sim/arm/armvirt.c", "sim/arm/main.c", "sim/arm/bag.h",
    "sim/arm/communicate.c", "sim/arm/gdbhost.h", "sim/arm/armfpe.h",
    "sim/arm/arminit.c",
    "sim/common/cgen-fpu.c", "sim/common/cgen-fpu.h",
    "sim/common/cgen-accfp.c",
    "sim/erc32/sis.h", "sim/erc32/erc32.c", "sim/erc32/func.c",
    "sim/erc32/float.c", "sim/erc32/interf.c", "sim/erc32/sis.c",
    "sim/erc32/exec.c",
    "sim/mips/m16run.c", "sim/mips/sim-main.c",
    "sim/moxie/moxie-gdb.dts",
    # Not a single file in sim/ppc/ appears to be copyright FSF :-(.  
    "sim/ppc/filter.h", "sim/ppc/gen-support.h", "sim/ppc/ld-insn.h",
    "sim/ppc/hw_sem.c", "sim/ppc/hw_disk.c", "sim/ppc/decode_branch.h",
    "sim/ppc/sim-endian.h", "sim/ppc/table.c", "sim/ppc/hw_core.c",
    "sim/ppc/gen-support.c", "sim/ppc/gen-semantics.h", "sim/ppc/cpu.h",
    "sim/ppc/sim_callbacks.h", "sim/ppc/RUN", "sim/ppc/Makefile.in",
    "sim/ppc/emul_chirp.c", "sim/ppc/hw_nvram.c", "sim/ppc/dc-test.01"
if __name__ == '__main__':
    main()

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

Otherwise, if the work is a derivative of the Library, you may distribute the object code for the work under the terms of Section 6. Any executables containing that work also fall under Section 6, whether or not they are linked directly with the Library itself.
6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.
It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is less protective of the
users' freedom, it does ensure that the user of a program that is
linked with the Library has the freedom and the wherewithal to run
that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and
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``work based on the library'' and a ``work that uses the library''. The
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be combined with the library in order to run.

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The `"Library", below, refers to any such software library or work
which has been distributed under these terms. A `"work based on the
Library" means either the Library or any derivative work under
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straightforwardly into another language. (Hereinafter, translation is
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`"Source code" for a work means the preferred form of the work for
making modifications to it. For a library, complete source code means
all the source code for all modules it contains, plus any associated
interface definition files, plus the scripts used to control compilation
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covered by this License; they are outside its scope. The act of
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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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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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

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Verify that the user has already received a copy of these materials or that you have already sent this user a copy.
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@var{signature of Ty Coon}, 1 April 1990
Ty Coon, President of Vice
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That's all there is to it!

BEGIN{
  FS="";
  print "/* ==> Do not modify this file!! " \
  "-*- buffer-read-only: t -* - vi" \
  ":set ro:";
  print " It is created automatically by copying.awk.";
  print " Modify copying.awk instead. <=== */";
  print ""
  print "#include \"defs.h\""
  print "#include \"command.h\""
  print "#include \"gdbcmd.h\""
  print ""
  print "static void show_copying_command (char *, int);";
  print ""
  print "static void show_warranty_command (char *, int);";
  print ""
  print "void _initialize_copying (void);"
  print ""
  print "static void";
  print "show_copying_command (char *ignore, int from_tty);
  print "}";
}
NR == 1;/^[15]. Disclaimer of Warranty\[/]*$/{
  if ($0 ~ //)
  {
    printf " printf_filtered (\"\n\n\n";
  }
  else if ($0 !~ //[15]. Disclaimer of Warranty\[/]*$/{
  {
    printf " printf_filtered (\"";

for (i = 1; i < NF; i++)
printf "%%s\\n", $i;
    printf "%%s\\n\n", $NF;
}

/* 15. Disclaimer of Warranty*/
print "\n";
print "";
print "static void";
print "show_warranty_command (char *ignore, int from_tty)";
print "{";
}

END
print "\n";
print "";
print "void"
print "_initialize_copying (void)";
print "{";
print " add_cmd ("copying", no_set_class, show_copying_command,\n\n add_cmd ("warranty", no_set_class, show_warranty_command,\n print "  /* For old-timers, allow "info copying", etc. */\n print " add_info ("copying", show_copying_command,\n print "  add_info ("warranty", show_warranty_command,\n
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1.1084 wsdl4j 1.6.2

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1.1085 acl 2.2.53-r0

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bzip2/libbzip2 version 1.0.6 of 6 September 2010

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DRuntime: Runtime Library for the D Programming Language

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Version 3.1, 31 March 2009

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1.1094 metrics 3.2.5

1.1095 libcgroup 0.41-13.el7

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1.1096 activation 1.2.1

1.1097 perl 5.16.3 295.el7
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1.1098 neko-html 1.9.22

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1.1109 jetty-continuation 9.4.18.v20190429

1.1110 pam 0.82.2

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/**
 * Describes the ID format settings for your resources on a per-region basis, for example, to view which resource
 * types are enabled for longer IDs. This request only returns information about resource types whose ID formats
 * can
 * be modified; it does not return information about other resource types.
 * </p>
 * <p>
 * These settings apply to the IAM user who makes the request; they do not apply to the entire AWS account. By
 * default, an IAM user defaults to the same settings as the root user, unless they explicitly override the settings
 * by running the <a>ModifyIdFormat</a> command. Resources created with longer IDs are visible to all IAM
 * users,
 * regardless of these settings and provided that they have permission to use the relevant <code>Describe</code>
 * command for the resource type.
 * </p>
 * @param describeIdFormatRequest
 * Contains the parameters for DescribeIdFormat.
 * @return A Java Future containing the result of the DescribeIdFormat operation returned by the service.
 * @sample AmazonEC2Async.DescribeIdFormat
 * @see <a href="http://docs.aws.amazon.com/goto/WebAPI/ec2-2016-11-15/DescribeIdFormat" target="_top">AWS API
 * Documentation</a>
 */

/**
 * Modifies the ID format for the specified resource on a per-region basis. You can specify that resources should
 * receive longer IDs (17-character IDs) when they are created. The following resource types support longer IDs:
 * <code>instance</code> | <code>reservation</code> | <code>snapshot</code> | <code>volume</code>.
 * </p>
 * <p>
 * This setting applies to the IAM user who makes the request; it does not apply to the entire AWS account. By
 * default, an IAM user defaults to the same settings as the root user. If you're using this action as the root
 * user, then these settings apply to the entire account, unless an IAM user explicitly overrides these settings for
 * themselves. For more information, see <a
* Resource IDs in the Amazon Elastic Compute Cloud User Guide.

Resources created with longer IDs are visible to all IAM roles and users, regardless of these settings and provided that they have permission to use the relevant `Describe` command for the resource type.

@param modifyIdFormatRequest

Contains the parameters of ModifyIdFormat.

@return A Java Future containing the result of the ModifyIdFormat operation returned by the service.

@sample AmazonEC2Async.ModifyIdFormat

@see <a href="http://docs.aws.amazon.com/goto/WebAPI/ec2-2016-11-15/ModifyIdFormat" target="_top">AWS API Documentation</a>

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 */

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1.1126 libnl3 3.2.28

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derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

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

Otherwise, if the work is a derivative of the Library, you may
distribute the object code for the work under the terms of Section 6.
Any executables containing that work also fall under Section 6,
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That's all there is to it!
# Exactly the same as t-mips, except we must define SYSTEM_HEADER_DIR
# to point to the bsd43 include files.
SYSTEM_HEADER_DIR = /bsd43/usr/include
This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the
garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?) ) and Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports. Douglas Steel (doug@w.g.icl.co.uk) provided ICL DRS6000 code. Bill Jansen (jansen@parc.xerox.com) supplied the SunOS dynamic loader specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and Dave Detlefs(detlefs@src.dec.com) also provided several generic bug fixes. Alistair G. Crooks(age@uts.amdahl.com) supplied the NetBSD and 386BSD ports. Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port. Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to a Motorola 88K processor running CX/UX (Harris NightHawk). Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to nonIBM development environments (a nontrivial task). Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port. David Chase, then at Olivetti Research, suggested several improvements. Scott Schwartz (schwartz@ groucho.cse.psu.edu) supplied some of the code to save and print call stacks for leak detection on a SPARC. Jesse Hull and John Ellis supplied the C++ interface code. Zhong Shao performed much of the experimentation that led to the current typed allocation facility. (His dynamic type inference code hasn’t made it into the released version of the collector, yet.)

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* /opt/cola/permits/1135872708_1613620849.69/0/json-smart-2-3-sources-2-jar/net/minidev/json/JSONStreamAware.java
* /opt/cola/permits/1135872708_1613620849.69/0/json-smart-2-3-sources-2-jar/net/minidev/json/JSONParserStream.java
* /opt/cola/permits/1135872708_1613620849.69/0/json-smart-2-3-sources-2-jar/net/minidev/json/JSONAware.java
* /opt/cola/permits/1135872708_1613620849.69/0/json-smart-2-3-sources-2-jar/net/minidev/json/JSONNavi.java
* /opt/cola/permits/1135872708_1613620849.69/0/json-smart-2-3-sources-2-jar/net/minidev/json/JStylerObj.java
1.1131 commons-lang3 3.8

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* /opt/cola/permits/1110676440_1606843194.97/0/netty-resolver-4-1-32-final-sources-2-
  jar/io/netty/resolver/ResolvedAddressTypes.java
* /opt/cola/permits/1110676440_1606843194.97/0/netty-resolver-4-1-32-final-sources-2-
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* /opt/cola/permits/1110676440_1606843194.97/0/netty-resolver-4-1-32-final-sources-2-jar/io/netty/resolver/DefaultNameResolver.java
* /opt/cola/permits/1110676440_1606843194.97/0/netty-resolver-4-1-32-final-sources-2-jar/io/netty/resolver/AddressResolverGroup.java
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* /opt/cola/permits/1110676440_1606843194.97/0/netty-resolver-4-1-32-final-sources-2-jar/io/netty/resolver/SimpleNameResolver.java

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1.1142 feign-core 8.15.1

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* /opt/ws_local/PERMITS_SQL/1041687624_1590960580.15/0/feign-core-8-15-1-sources-jar/feign/InvocationHandlerFactory.java

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* /opt/ws_local/PERMITS_SQL/1041687624_1590960580.15/0/feign-core-8-15-1-sources-jar/feign/codec/Encoder.java
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* /opt/ws_local/PERMITS_SQL/1041687624_1590960580.15/0/feign-core-8-15-1-sources-jar/feign/auth/BasicAuthRequestInterceptor.java
* /opt/ws_local/PERMITS_SQL/1041687624_1590960580.15/0/feign-core-8-15-1-sources-jar/feign/RetryableException.java
* /opt/ws_local/PERMITS_SQL/1041687624_1590960580.15/0/feign-core-8-15-1-sources-jar/feign/ReflectiveFeign.java
* /opt/ws_local/PERMITS_SQL/1041687624_1590960580.15/0/feign-core-8-15-1-sources-jar/feign/codec/ErrorDecoder.java
* /opt/ws_local/PERMITS_SQL/1041687624_1590960580.15/0/feign-core-8-15-1-sources-jar/feign/Logger.java
* /opt/ws_local/PERMITS_SQL/1041687624_1590960580.15/0/feign-core-8-15-1-sources-jar/feign/EncodeException.java
* /opt/ws_local/PERMITS_SQL/1041687624_1590960580.15/0/feign-core-8-15-1-sources-jar/feign/codec/StringDecoder.java
* /opt/ws_local/PERMITS_SQL/1041687624_1590960580.15/0/feign-core-8-15-1-sources-jar/feign/Retryer.java

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```java
public static final ProtocolName WEBRTC_CONFIDENTIAL = asUtf8Encoding("c-webrtc");
```

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1074028448_1595542545.37/0/bctls-fips-1-0-10-sources-jar/org/bouncycastle/tls/ProtocolName.java

1.1144 engine.io-client 0.2.2
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```javascript
/**
 * Parses an URI
 *
 * @author Steven Levithan <stevenlevithan.com> (MIT license)
 * @api private
 */
```

Found in path(s):
* /opt/cola/permits/1111833430_1606990488.24/0/engine-io-client-0-2-2-3-tgz/package/lib/util.js
* /opt/cola/permits/1111833430_1606990488.24/0/engine-io-client-0-2-2-3-tgz/package/dist/engine.io.js

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* http://jquery.com/

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* Includes Sizzle.js
* http://sizzlejs.com/

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* Date: Mon Nov 21 21:11:03 2011 -0500
*/
/*!

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* More information: http://sizzlejs.com/
*/

// the proprietary classid attribute value (rather than the type
// proprietary methods to clear the events. Thanks to MooTools

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*/
/**
* Parses an URI
*
* @author Steven Levithan <stevenlevithan.com> (MIT license)
* @api private
*/

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# Engine.IO client

This is the client for [Engine](http://github.com/learnboost/engine.io), the implementation of transport-based cross-browser/cross-device bi-directional communication layer for [Socket.IO](http://github.com/learnboost/socket.io).

## Hello World

```html
```html
<script src="/path/to/engine.js"></script>

var socket = new eio.Socket({ host: 'localhost', port: 80 });
socket.onopen = function () {
    socket.onmessage = function (data) { });
    socket.onclose = function () { });
};
</script>
```

## Features

- Lightweight
- Lazyloads Flash transport
- Isomorphic with WebSocket API
- Written for node, runs on browser thanks to [browserbuild](http://github.com/learnboost/browserbuild)
- Maximizes code readability / maintenance.
- Simplifies testing.
- Transports are independent of `Engine`
- Easy to debug
- Easy to unit test
- Runs inside HTML5 WebWorker

## API

```html
</html>
```

### Top-level

These are exposed in the `eio` global namespace (in the browser), or by `require('engine.io-client')` (in Node.JS).

#### Properties

- `version` _(String)_: client version
- `protocol` _(Number)_: protocol revision number
- `Socket` _(Function)_: client constructor

### Socket
The client class. Inherits from EventEmitter.

#### Properties

- `onopen` (_Function_)  
- `onopen` event handler  
- `onmessage` (_Function_)  
- `onmessage` event handler  
- `onclose` (_Function_)  
- `message` event handler

#### Events

- `open`  
  Fired upon successful connection.  
- `message`  
  Fired when data is received from the server.  
  **Arguments**  
  - `String`: utf-8 encoded data  
  - `close`  
  Fired upon disconnection.  
- `error`  
  Fired when an error occurs.

#### Methods

- **constructor**  
  - Initializes the client  
  **Parameters**  
  - `Object`: optional, options object  
  **Options**  
  - `host` (`String`): host name (`localhost`)  
  - `port` (`Number`): port name (`80`)  
  - `path` (`String`): path to intercept requests to (`/engine.io`)  
  - `resource` (`String`): name of resource for this server (`default`). Setting a resource allows you to initialize multiple engine.io endpoints on the same host without them interfering, and without changing the `path` directly.  
  - `query` (`Object`): optional query string addition (eg: `{ a: 'b' }`)  
  - `secure` (`Boolean`): whether the connection is secure  
  - `upgrade` (`Boolean`): defaults to true, whether the client should try to upgrade the transport from long-polling to something better.  
  - `forceJSONP` (`Boolean`): forces JSONP for polling transport.  
  - `timestampRequests` (`Boolean`): whether to add the timestamp with each transport request. Note: this is ignored if the browser is IE or Android, in which case requests are always stamped (`false`)  
  - `timestampParam` (`String`): timestamp parameter (`t`)  
  - `flashPath` (`String`): path to flash client files with trailing slash
- `policyPort` (Number): port the policy server listens on (843)
- `transports` (Array): a list of transports to try (in order).
  Defaults to `['polling', 'websocket', 'flashsocket']`. `Engine` always attempts to connect directly with the first one, provided the feature detection test for it passes.

- `send`
  - Sends a message to the server

- **Parameters**
  - `String`: data to send

- `close`
  - Disconnects the client.

### Transport

The transport class. Private. Inherits from EventEmitter.

#### Events

- `poll`: emitted by polling transports upon starting a new request
- `pollComplete`: emitted by polling transports upon completing a request
- `drain`: emitted by polling transports upon a buffer drain

#### Flash transport

In order for the Flash transport to work correctly, ensure the `flashPath` property points to the location where the files `web_socket.js`, `swfobject.js` and `WebSocketMainInsecure.swf` are located.

#### Tests

`engine.io-client` is used to test

[engine](http://github.com/learnboost/engine.io)

#### Support

The support channels for `engine.io-client` are the same as `socket.io`:
- irc.freenode.net **#socket.io**
- [Google Groups](http://groups.google.com/group/socket_io)
- [Website](http://socket.io)

#### Development

To contribute patches, run tests or benchmarks, make sure to clone the repository:

```
git clone git://github.com/LearnBoost/engine.io-client.git
```
Then:

```
... 
cd engine.io-client 
npm install 
... 
```

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1.1145 commons-pool 1.4

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1.1146 taglibs-standard 1.2.5

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The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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1.1157 tiles-servlet 3.0.8
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1.1158 jersey-server 2.13

1.1159 spring-orm 3.0.3.RELEASE
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* /opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-jar/org/springframework/orm/hibernate3/HibernateObjectRetrievalFailureException.java
* /opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-jar/org/springframework/orm/jpa/persistenceunit/ClassFileTransformerAdapter.java
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Found in path(s):
* /opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-
  jar/org/springframework/orm/hibernate3/HibernateCallback.java
* /opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-
  jar/org/springframework/orm/jpa/ExtendedEntityManagerCreator.java
* /opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-
  jar/org/springframework/orm/jdo/JdoPersistenceManagerFactoryUtils.java
* /opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-
  jar/org/springframework/orm/jdo/JdoAccessor.java
* /opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-
  jar/org/springframework/orm/jdo/JdoTransactionManager.java
* /opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-
  jar/org/springframework/orm/ibatis.SqlMapClientFactoryBean.java
* /opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-
  jar/org/springframework/orm/jpa/JpaCallback.java
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* /opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-jar/org/springframework/orm/jdo/support/StandardPersistenceManagerProxyBean.java

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* /opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-jar/org/springframework/orm/jpa/vendor/EclipseLinkJpaVendorAdapter.java
* /opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-jar/org/springframework/orm/ibatis/SqlMapClientCallback.java
* /opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-jar/org/springframework/orm/hibernate3/FilterDefinitionFactoryBean.java
* /opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-jar/org/springframework/orm/hibernate3/LocalTransactionManagerLookup.java
* /opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-jar/org/springframework/orm/jpa/vendor/TopLinkJpaVendorAdapter.java
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Create a transactional EntityManager proxy for the given EntityManagerFactory.
@param emf EntityManagerFactory to obtain EntityManagers from as needed
@param properties the properties to be passed into the
<code>createEntityManager</code> call (may be <code>null</code>)
@param entityManagerInterfaces the interfaces to be implemented by the
EntityManager. Allows the addition or specification of proprietary interfaces.
@returns a shareable transactional EntityManager proxy

Found in path(s):
/opt/cola/permits/1136489533_1613774428.66/0/spring-orm-3-0-3-release-sources-1-
jar/org/springframework/orm/jpa/SharedEntityManagerCreator.java

1.1160 zjsonpatch 0.3.0

1.1161 struts2-tiles-plugin 2.5.20
1.1161.1 Available under license:
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* configure.ac, Makefile.am: The original versions were derived from the ones in the XML Catalog Manager project, version 2.2.

Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived form the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c7bff2bb5b6.

Author: Julio Merino <jmmv@NetBSD.org>

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

Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk, admin/check-style-cpp.awk, admin/check-style-shell.awk: These files, except the first one, were first implemented in the Buildtool project. They were later adapted to be part of Boost.Process and, during that process, the shell script was created.
Author: Julio Merino <jmmv84@gmail.com>

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One of the key reasons we got delayed on the CentOS-6 release was lack of suitable build resources, especially when we had to repeatedly build large chunks of code. Norwood S came forward and worked with me to setup a large build machine, then tune the build process and help improve the overall build, test and validate process we were using. This build machine he donated to the project was about 5 times more capable than the entire buildsystem we had. And he did this out of his own pocket, from his own time, and has since upgraded the machine as well. It's now a 128GB, 48 core machine, with 4 SSD's and 4 sata disks : but the key metric is that it can build from source, the entire CentOS-7 distro in under 22 hrs.
Having this capability was key in our ability to build, test and deliver CentOS-7 as rapidly as we have been able to.

We'd like to dedicate the CentOS-7 Release to Mr Norwood S, of Phoenix, AZ, USA for his continued support for the project.

Contributors:
The Red Hat developers, without whom CentOS would look very different

Akemi Matsuno-Yagi
Alain Reguera Delgado
Alan Bartlett
Andreas Thienemann
Anssi Johansson
Athmane Madjoudj
Bonnie King
Brian Stinson
Carl Trieloff
Christoph Galuschka
Fabian Arrotin
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James Moger
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Pablo Sebastian Greco
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Stephen John Smoogen
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This package was debianized by Vladimir Prus <ghost@cs.msu.su> on Wed, 17 July 2002, 19:27:00 +0400.

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This is an attempt to acknowledge early contributions to the garbage
collector. Later contributions should instead be mentioned in
README.changes.

HISTORY -

Early versions of this collector were developed as a part of research
projects supported in part by the National Science Foundation
and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for
the Russell programming language implementation. The first version of the
garbage collector was written primarily by Al Demers. It was then refined
and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U.,
the University of Washington, Rice University (where it was first used for
C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant
contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in
README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser.
The Encore Multimax modifications were supplied by
Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely
due to Vernon Lee, on machines made available to Rice by IBM.
Much of the HP specific code and a number of good suggestions for improving the
generic code are due to Walter Underwood.
Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code.
Al Dosser (dossier@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk)
subsequently provided updates and information on variation between ULTRIX
systems. Parag Patel (parag@netcom.com) supplied the A/UX code.
Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and
Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port.
Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D.Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dosser provided Alpha/OSF/1 code. He and
Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn’t
made it into the released version of the collector, yet.)

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Aleksey Gurtovoy (agurtovoy@meta-comm.com)
Andrei Alexandrescu (andrewalex - at - hotmail.com) (See Boost list message of August 12, 2004 11:06:58 AM EST)
Andrew Lumsdaine ()
Anthony Williams (anthony -at- justsofwareolutions.co.uk)
Beman Dawes (bdawes@acm.org)
Brad King (brad.king -at- kitware.com) (See Boost list message of Wed, 21 Jul 2004 11:15:46 -0400)
Brian Osman (osman -at- vvisions.com) (See CVS log)
Bruce Barr (schmoost -at- yahoo.com) (See Boost list of Mon, 16 Aug 2004 15:06:43 -0500)
Bruno da Silva de Oliveira (bruno - at - esss.com.br)
Christain Engstrom (christian.engstrom -at- glindra.org) (See Boost list message of Mon, 30 Aug 2004 14:31:49 +0200)
Cromwell D Enage (sponage -at- yahoo.com) (See Boost list message of August 12, 2004 11:49:13 AM EST)
Dan Gohman (djg -at- cray.com) (See Boost list messsage of Sat, 21 Aug 2004 10:54:59 +0100)
Dan Nuffer (dan -at- nuffer.name)
Daniel Frey (d.frey -at- gmx.de, daniel.frey -at- aixigo.de)
Daniel Nuffer (dan -at- nuffer.name)
Darin Adler (darin -at- bentospoon.com) (Email to Andreas Huber, see change log)
Daryle Walker (darylew - at - hotmail.com)
Dave Abrahams (dave@boost-consulting.com)
Dave Moore (dmoore -at- viefinancial.com) (See Boost list message of 18 Dec 2003 15:35:50 -0500)
David Abrahams (dave@boost-consulting.com)
Dietmar Kuehl (dietmar_kuehl -at- yahoo.com) (Email to Andreas Huber, see change log)
Douglas Gregor (gregod -at- cs.rpi.edu, dgregor -at- cs.indiana.edu, doug.gregor -at- gmail.com)
Dr John Maddock (john - at - johnmaddock.co.uk)
Edward D. Brey (brey -at- ductape.net) (Email to Andreas Huber, see change log)
Eric Ford (un506n902 -at- sneakemail.com) (See Boost list message of Sun, 15 Aug 2004 10:29:13 +0100)
Eric Friedman (ebf@users.sourceforge.net)
Eric Niebler (eric@boost-consulting.com)
Fernando Cacciola (fernando_cacciola@ciudad.com.ar)
Fernando Luis Cacciola Carballal (fernando_cacciola@ciudad.com.ar)
Francois Faure (Francois.Faure -at- imag.fr) (See CVS log)
Gary Powell (powellg - at - amazon.com) (See Boost list message of 10 Feb 2004 14:22:46 -0800)
Gennadiy Rozental (rogeeff -at- mail.com) (Email to Andreas Huber, see change log)
Gottfried Ganssauge (Gottfried.Ganssauge -at- HAUFE.DE) (See Boost list message of Mon, 16 Aug 2004 10:09:19 +0200)
Gottfried Ganneau (Gottfried.Ganssauge -at- HAUFE.DE) (Alternative spelling of Gottfried Ganssauge)
Greg Colvin (gregory.colvin -at- oracle.com) (See Boost list message of Sat, 14 Aug 2004 10:57:00 +0100)
Gregory Colvin (gregory.colvin -at- oracle.com) (See Boost list message of Sat, 14 Aug 2004 10:57:00 +0100)
Gunter Winkler (gunter.winkler -at- unibw-muenchen.de) (See Boost List message of Mon, 16 Aug 2004 10:24:17 +0200)
Hartmut Kaiser (hartmut.kaiser -at- gmail.com)
Herve Bronnimann (hbr -at- poly.edu)
Herv Brnnimann (hbr -at- poly.edu)
Housemarque Oy (Ilari Kuitinnen ilari.kuitinnen -at- housemarque.fi)
Howard Hinnant (hinnant -at- twcny.rr.com) (See Boost list message of July 25, 2004 3:44:49 PM EST)
Hubert Holin (hubert_holin -at- users.sourceforge.net)
Indiana University ()
Itay Maman (imaman -at- users.sourceforge.net)
Jaakko Jrv (jjarv -at- osl.iu.edu)
Jaap Suter (j.suter -at- student.utwente.nl) (See Boost list message of Thu, 16 Sep 2004 09:32:43 -0700)
Jeff Garland (jeff - at - crystalelearsoftware.com) (see Boost list post of July 25, 2004 19:31:09 -0700)
Jens Maurer (Jens.Maurer@gmx.net)
Jeremy G Siek (jsiek@osl.iu.edu)
Jeremy Siek (jsiek@osl.iu.edu)
Joel de Guzman (joel -at- boost-consulting.com) (See Boost list message of July 25, 2004 8:32:00 PM EST)
John Bandela (jbandela-at-ufl.edu)
John Maddock (john - at - johnmaddock.co.uk)
John R Bandela (jbandela-at-ufl.edu)
Jonathan Turkanis (turkanis -at- coderage dot com)
Juergen Hunold (hunold -at- ive.uni-hannover.de) (See Boost List Message of Fri, 13 Aug 2004 19:39:55 +0200)
Kevlin Henney (kevlin -at- curbralan.com) (See Boost list message of Wed, 15 Sep 2004 18:15:17 +0200)
Kresimir Fresl (fresl -at- master.grad.hr) (See Boost List message of August 16, 2004 8:23:35 AM EST)
Lars Gullik Bjnes (larsbj -at- lyx.org) (See Boost list message of Tue, 17 Aug 2004 15:49:02 +0100)
Lie-Quan Lee (liequan - at - slac.stanford.edu, llee - at - cs.indiana.edu)
Maarten Keijzer (mkeijzer -at- cs.vu.nl) (See Boost list message of Wed, 18 Aug 2004 21:43:18 +0100)
Mac Murrett (mmurrett -at- mac.com)
Marc Wintermantel (wintermantel -at- imes.mavt.ethz.ch, wintermantel -at- even-ag.ch) (See CVS log)
Michael Glassford (glassfordm - at - hotmail.com)
Michael Stevens (Michael.Stevens - at - epost.de)
Multi Media Ltd. (pdimov@mmltd.net)
Nicolai M Josuttis (solutions -at- josuttis.com) (See Boost list message of Mon, 30 Aug 2004 10:52:00 +0100)
Nikolay Mladenov (nickm -at- sitius.com) (See Boost list message of Tue, 17 Aug 2004 15:45:33 +0100)
Paul Mensonides (pmenso57 -at- comcast.net) (See Boost list message of July 21, 2004 1:12:21 AM EST)
Pavol Droba (droba -at- topmail.sk)
Peter Dimov (pdimov@mmltd.net)
R W Grosse-Kunsteve (RWGrosse-Kunsteve@lbl.gov)
Ralf W. Grosse-Kunsteve (RWGrosse-Kunsteve@lbl.gov)
Rational Discovery LLC (Greg Landrum Landrum -at- RationalDiscovery.com) (See Boost list post of Tue, 17 Aug 2004 10:35:36 +0100)
Rene Rivera (grafik/redshift-software.com, rrivera/acm.org)
Robert Ramey (ramey@www.rrsd.com)
Roland Richter (roland -at- fill.jku.at) (See Boost list post of Mon, 16 Aug 2004 22:16:55 +0200)
Roland Schwarz (roland.schwarz -at- chello.at)
Ronald Garcia (garcia -at- cs.indiana.edu) (Email to Andreas Huber, see change log)
Samuel Krempp (krempp -at- crans.ens-cachan.fr) (See Boost list message of Mon, 27 Sep 2004 13:18:36 +0200)
1.1175 curl 7.60.0

1.1175.1 Available under license:

License Mixing

===============

libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

One common dilemma is that [GPL](https://www.gnu.org/licenses/gpl.html) licensed code is not allowed to be linked with code licensed under the [Original BSD license](https://spdx.org/licenses/BSD-4-Clause.html) (with the announcement clause). You may still build your own copies that use them all, but distributing them as binaries would be to violate the GPL license - unless you accompany your license with an [exception](https://www.gnu.org/licenses/gpl-faq.html#GPLIncompatibleLibs). This particular problem was addressed when the [Modified BSD license](https://opensource.org/licenses/BSD-3-Clause) was created, which does not have the announcement clause that collides with GPL.

## libcurl

Uses an [MIT style license](https://curl.haxx.se/docs/copyright.html) that is
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## OpenSSL

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(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

## zlib

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## Heimdal

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## OpenLDAP

(Used for LDAP support) Uses a Modified BSD-style license. Since libcurl uses OpenLDAP as a shared library only, I have not heard of anyone that ships OpenLDAP linked with libcurl in an app.

## libssh2
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1.1176 gzip 1.5 10.el7
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* /opt/cola/permits/1110676916_1606844031.03/o/netty-buffer/ByteBufAllocatorMetric.java
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 * /opt/cola/permits/1110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1.jar/io/netty/buffer/DefaultByteBufHolder.java
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 * /opt/cola/permits/1110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1.jar/io/netty/buffer/ByteBufHolder.java
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* /opt/cola/permits/1110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1-jar/io/netty/buffer/ByteBuf.java
* /opt/cola/permits/1110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1-jar/io/netty/buffer/ByteBufOutputStream.java
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* /opt/cola/permits/1110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1-jar/io/netty/buffer/AbstractByteBuf.java
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* /opt/cola/permits/1110676916_1606844031.03/0/netty-buffer-4-1-39-final-sources-1-jar/io/netty-buffer/ByteBufUtil.java
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https://glassfish.dev.java.net/nonav/public/CDDL-GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl
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http://openjdk.java.net/legal/gplv2+ce.html

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org.ow2.asm:asm-commons
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org.apache.taglibs:taglibs-standard-spec
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
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org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
/org.eclipse.jetty.toolchain:jetty-schemas

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1.1210 libvorbis 1.3.3-8.el7

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1.1211 aws-java-sdk-s3 1.11.61

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package com.amazonaws.services.s3.model;

/**
 * Specifies constants defining an access permission,
 * as granted to grantees in an
 * [AccessControlList](#link). Only a limited set of permissions are available;
 * each one is represented as a value in this enumeration.
 */

public enum Permission {

    /**
     * Provides READ, WRITE, READ_ACP, and WRITE_ACP permissions.
     * It does not convey additional rights and is provided only for
     * convenience.
     */
    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.
     */
    Write("WRITE", "x-amz-grant-write"),

    /**
     * Grants permission to read the ACL for the applicable bucket or object.
     */
    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. <code>FULL_CONTROL</code>.
 *
 * @return The string representation of this permission object as defined by Amazon S3, eg. <code>FULL_CONTROL</code>.
 */
public String toString() {
    return permissionString;
}

/**
 * Returns the [Permission] enumeration value representing the specified Amazon S3 Region ID string. If specified string doesn't map to a known Amazon S3 Region, returns <code>null</code>.
 *
 * @param str A string representation of an Amazon S3 permission, eg. <code>FULL_CONTROL</code>
 *
 * @return The [Permission] object represented by the given permission string,
* Returns <code>null</code> 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;
}

1.1212 gamin 0.1.10

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* /opt/cola/permits/1112533641_1607107431.08/0/spring-aop-3-0-3-release-sources-
  jar/org/springframework/aop/framework/autoproxy/DefaultAdvisorAutoProxyCreator.java
* /opt/cola/permits/1112533641_1607107431.08/0/spring-aop-3-0-3-release-sources-
  jar/org/springframework/aop/interceptor/JamonPerformanceMonitorInterceptor.java
* /opt/cola/permits/1112533641_1607107431.08/0/spring-aop-3-0-3-release-sources-
  jar/org/springframework/aop/framework/autoproxy/DefaultAdvisorAutoProxyCreator.java
* /opt/cola/permits/1112533641_1607107431.08/0/spring-aop-3-0-3-release-sources-
  jar/org/springframework/aop/interceptor/JamonPerformanceMonitorInterceptor.java
* /opt/cola/permits/1112533641_1607107431.08/0/spring-aop-3-0-3-release-sources-
  jar/org/springframework/aop/framework/autoproxy/DefaultAdvisorAutoProxyCreator.java
* /opt/cola/permits/1112533641_1607107431.08/0/spring-aop-3-0-3-release-sources-
  jar/org/springframework/aop/interceptor/JamonPerformanceMonitorInterceptor.java
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* /opt/cola/permits/1112533641_1607107431.08/0/spring-aop-3-0-3-release-sources-jar/org/springframework/aop/TrueMethodMatcher.java
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* /opt/cola/permits/1112533641_1607107431.08/0/spring-aop-3-0-3-release-sources-jar/org/springframework/aop/aspectj/InstantiationModelAwarePointcutAdvisor.java
* /opt/cola/permits/1112533641_1607107431.08/0/spring-aop-3-0-3-release-sources-jar/org/springframework/aop/config/AdvisorEntry.java

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* /opt/cola/permits/1112533641_1607107431.08/0/spring-aop-3-0-3-release-sources-jar/org/springframework/aop/framework/adapter/AdvisorAdapterRegistry.java
* /opt/cola/permits/1112533641_1607107431.08/0/spring-aop-3-0-3-release-sources-jar/org/springframework/aop/framework/adapter/MethodBeforeAdviceAdapter.java
* /opt/cola/permits/1112533641_1607107431.08/0/spring-aop-3-0-3-release-sources-jar/org/springframework/aop/framework/adapter/AdvisorAdvisorAdapter.java
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* /opt/cola/permits/1112533641_1607107431.08/0/spring-aop-3-0-3-release-sources-jar/org/springframework/aop/interceptor/AbstractTargetInvocationInterceptor.java
* /opt/cola/permits/1112533641_1607107431.08/0/spring-aop-3-0-3-release-sources-jar/org/springframework/aop/interceptor/AbstractMonitorableInterceptor.java
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* /opt/cola/permits/1112533641_1607107431.08/0/spring-aop-3-0-3-release-sources-jar/org/springframework/aop/interceptor/AbstractTargetAdvisor.java
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<one line to give the program's name and a brief idea of what it does.>
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<signature of Ty Coon>, 1 April 1989
Ty Coon, President of Vice

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1.1231 java-cacerts 1.0-r0
1.1231.1 Available under license :

/*
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 * WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.
 */

# Automatically generated by apkbuild-cpan, template 1
# Contributor: Valery Kartel <valery.kartel@gmail.com>
# Maintainer: Valery Kartel <valery.kartel@gmail.com>
pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
 pkgver=1.2911
 pkgrel=3
 pkgdesc="Perl extension implements the BSD process resource limit functions"
 url="https://metacpan.org/release/BSD-Resource"
 arch="all"
 license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
 source="http://search.cpan.org/CPAN/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"
builddir="$srcdir/$pkgreal-$pkgver"

prepare() {
    default_prepare
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    make
}

check() {
    make test
package() {
    make DESTDIR="Spkgdir" install
    find "Spkgdir" \( -name perllocal.pod -o -name.packlist \) -delete
}

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
dfa5417f663b8065ba65f4efa16de9262728b3b6885 BSD-Resource-1.2911.tar.gz"

# Contributor: Fabian Affolter <fabian@affolter-engineering.ch>
# Maintainer: Fabian Affolter <fabian@affolter-engineering.ch>

pkgname=py3-flake8-copyright
_pkgname=flake8-copyright
pkgver=0.2.2
pkgrel=1
pkgdesc="Extension for flake8 which checks for copyrights"
options="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/${_pkgname}/${_pkgname}-${pkgver}.tar.gz"
builddir="$srcdir/${_pkgname}-${pkgver}

replaces="py-flake8-copyright" # Backwards compatibility
provides="py-flake8-copyright=${pkgver}-${pkgrel}" # Backwards compatibility

build() {
    python3 setup.py build
}

package() {
    python3 setup.py install --prefix=/usr --root="Spkgdir"
}

sha512sums="8ade49f386e67d14e4b826946b947454cf2502ff249a9ab1d359f61fa42ebc2b17dd465708894cf82ffbd15
3f0be1bed746464220d40d9d4dc1b07940ec280f28 flake8-copyright-0.2.2.tar.gz"

diff --git a/tests/t0501-duplicate.sh b/tests/t0501-duplicate.sh
index 66d321a..0520131 100644
--- a/tests/t0501-duplicate.sh
+++ b/tests/t0501-duplicate.sh
@@ -18,7 +18,11 @@
    . ${srcdir=..}/init.sh"; path_prepend ../parted .
    +arch=$(uname -m)
    for t in msdos gpt bsd; do
    +  if [ "$t" = bsd ] && [ "$arch" = "s390x" ]; then
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USA

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see http://www.sqlite.org/copyright.html
# Contributor: Carlo Landmeter <clandmeter@alpinelinux.org>
# Maintainer: Kevin Daudt <kdaudt@alpinelinux.org>
pkgname=spdx-licenses
pkgver=3.7
pkgrel=0
pkgdesc="Various data formats for the SPDX License List"
url="https://spdx.org/"
arch="noarch"
options="!check"
license="CC-BY-3.0"
source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"

for type in $_types; do
subpackages="$subpackages $pkgname-$type:_subpkg"
done

build() {
  cd "$builddir"
}

package() {
  mkdir -p "$pkgdir"
}

_subpkg() {
  local type=${subpkgname/$pkgname-/}
  pkgdesc="$pkgdesc ($type)"
  install_if="$pkgname"
  mkdir -p "$subpkgdir/usr/share/spdx"
  cp -r "$builddir"/type "$subpkgdir/usr/share/spdx"
}

list() {
  pkgdesc="$pkgdesc (licence list)"
}
mkdir -p "$subpkgdir"/usr/share/spdx
local i; for i in $builddir/text/*.txt; do
  local license=${i##*/}
  echo ${license%.*} >> "$subpkgdir"/usr/share/spdx/license.lst
done

sha512sums="24b017bc9b31b8710bed1015c13c1cd6920e13a44b68c9d6caca129cbf059abbe16451ae24b7c1714a8273
bf6da1105155b58b4b78b4b99b193a76dc4c10ff323b12  license-list-data-3.7.tar.gz"

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Version 3, 19 November 2007

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Avoid installing headers with mode 700.

--- a/CMake/utility.cmake
+++ b/CMake/utility.cmake
@@ -165,7 +165,7 @@
 getNameOfDir(CMAKE_CURRENT_SOURCE_DIR DIRNAME)
 if (${shouldInstall})
   if (NOT ${FULL_HEADER_PATH} MATCHES ".*_p.h$") # we don't want to install header files which are marked as private
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# Maintainer: Natanael Copa <ncopa@alpinelinux.org>
pkgnname=libart-lgpl
pkgver=2.3.21
pkgrel=5
pkgdesc="A library for high-performance 2D graphics"
url="http://www.levien.com/libart/
arch="all"
options="!check" # No test suite.
Open Source Used In Cisco Unified Contact Center Express 12.5(1) SU2 11039

license="LGPL-2.0+"

builddir="$srcdir/libart_lgpl-$pkgver"

prepare() {
  cd "$builddir"
  update_config_sub
  default_prepare
}

build() {
  cd "$builddir"
  ./configure --build=$CBUILD --host=$CHOST --prefix=/usr
  make
}

package() {
  cd "$builddir"
  make DESTDIR="$pkgdir" install
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171f9ae326af1b133725bceba28f7e76654309e001aee9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2"

--- a/main.c
+++ b/main.c
@@ -33,7 +33,7 @@
 #include "extern.h"

#define AGREEMENT "https://letsencrypt.org" \
- " /documents/LE-SA-v1.1.1-August-1-2016.pdf"
#define SSL_DIR "/etc/ssl/acme"
#define SSL_PRIV_DIR "/etc/ssl/acme/private"
#define ETC_DIR "/etc/acme"
mini_sendmail - accept email on behalf of real sendmail

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1.1232 atk 2.26.2-1.el7
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================

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jar/org/springframework/jms/listener/AdapterMessageListenerAdapter.java
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jar/jms/support/converter/MarshallingMessageConverter.java
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jar/jms/listener/SessionAwareMessageListener.java
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jar/jms/connection/CachingConnectionFactory.java
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jar/jms/listener/endpoint/JmsActivationSpecConfig.java
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* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3-
  jar/javax/validation/executable/package-info.java
* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3-
  jar/javax/validation/ConstraintTarget.java
* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3-
  jar/javax/validation/constraintvalidation/package-info.java
* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3-jar/javax/validation/package-info.java
* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3-jar/javax/validation/metadata/CascadableDescriptor.java
* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3-jar/javax/validation/metadata/CrossParameterDescriptor.java
* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3-
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* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3.jar/javax/validation/metadata/ConstructorDescriptor.java
* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3.jar/javax/validation/ParameterNameProvider.java
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* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3-jar/java/validation/constraints/DecimalMax.java
* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3-jar/java/validation/metadata/BeanDescriptor.java
* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3-jar/java/validation/Path.java
* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3-jar/java/validation/ReportAsSingleViolation.java
* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3-jar/java/validation/ConstraintValidatorContext.java
* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3-jar/java/validation/ConstraintViolation.java
* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3-jar/java/validation/MessageInterpolator.java
* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3-jar/java/validation/TraversableResolver.java

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* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3-jar/java/validation/Validator.java
* /opt/cola/permits/1110631072_1606841294.0/0/validation-api-1-1-0-final-sources-3-jar/java/validation/groups/package-info.java
* /opt/cola/permits/1110631072_1606841294.0/validation-api-1.1.0-final-sources-3.jar/javax/validation/constraints/Future.java
* /opt/cola/permits/1110631072_1606841294.0/validation-api-1.1.0-final-sources-3.jar/javax/validation/metadata/PropertyDescriptor.java
* /opt/cola/permits/1110631072_1606841294.0/validation-api-1.1.0-final-sources-3.jar/javax/validation/ValidationProviderResolver.java
* /opt/cola/permits/1110631072_1606841294.0/validation-api-1.1.0-final-sources-3.jar/javax/validation/constraints/Null.java
* /opt/cola/permits/1110631072_1606841294.0/validation-api-1.1.0-final-sources-3.jar/javax/validation/metadata/ConstraintDescriptor.java
* /opt/cola/permits/1110631072_1606841294.0/validation-api-1.1.0-final-sources-3.jar/javax/validation/constraints/Max.java
* /opt/cola/permits/1110631072_1606841294.0/validation-api-1.1.0-final-sources-3.jar/javax/validation/Valid.java
* /opt/cola/permits/1110631072_1606841294.0/validation-api-1.1.0-final-sources-3.jar/javax/validation/constraints/NotNull.java
* /opt/cola/permits/1110631072_1606841294.0/validation-api-1.1.0-final-sources-3.jar/javax/validation/ConstraintDefinitionException.java
* /opt/cola/permits/1110631072_1606841294.0/validation-api-1.1.0-final-sources-3.jar/javax/validation/constraints/AssertTrue.java
* /opt/cola/permits/1110631072_1606841294.0/validation-api-1.1.0-final-sources-3.jar/javax/validation/GroupDefinitionException.java
* /opt/cola/permits/1110631072_1606841294.0/validation-api-1.1.0-final-sources-3.jar/javax/validation/constraints/AssertFalse.java
* /opt/cola/permits/1110631072_1606841294.0/validation-api-1.1.0-final-sources-3.jar/javax/validation/constraints/Pattern.java
* /opt/cola/permits/1110631072_1606841294.0/validation-api-1.1.0-final-sources-3.jar/javax/validation/Constraint.java
* /opt/cola/permits/1110631072_1606841294.0/validation-api-1.1.0-final-sources-3.jar/javax/validation/ValidationException.java
* /opt/cola/permits/1110631072_1606841294.0/validation-api-1.1.0-final-sources-3.jar/javax/validation/spi/ValidationProvider.java
* /opt/cola/permits/1110631072_1606841294.0/validation-api-1.1.0-final-sources-3.jar/javax/validation/metadata/Scope.java
* /opt/cola/permits/1110631072_1606841294.0/validation-api-1.1.0-final-sources-3.jar/javax/validation/constraints/Past.java
* /opt/cola/permits/1110631072_1606841294.0/validation-api-1.1.0-final-sources-3.jar/javax/validation/groups/Default.java
* /opt/cola/permits/1110631072_1606841294.0/validation-api-1.1.0-final-sources-3.jar/javax/validation/Payload.java
* /opt/cola/permits/1110631072_1606841294.0/validation-api-1.1.0-final-sources-3.jar/javax/validation/UnexpectedTypeException.java
* /opt/cola/permits/1110631072_1606841294.0/validation-api-1.1.0-final-sources-3.jar/javax/validation/Validation.java
* /opt/cola/permits/1110631072_1606841294.0/validation-api-1.1.0-final-sources-3.jar/javax/validation/bootstrap/GenericBootstrap.java
* /opt/cola/permits/1110631072_1606841294.0/validation-api-1.1.0-final-sources-3.jar/javax/validation/OverridesAttribute.java
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jloup@gzip.org          madler@alumni.caltech.edu

The following list of people, sorted by last name, have contributed code or patches to this implementation of sudo since I began maintaining it in 1993. This list is known to be incomplete--if you believe you should be listed, please send a note to sudo@sudo.ws.

Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
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Boardman, Spider
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
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Campbell, Aaron
Chazelas, Stephane
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Coleman, Chris
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Farrell, Brian
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Janssen, Mark
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Makey, Jeff
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Minier, Loc
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Moldung, Jan Thomas
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Nikitser, Peter A.
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Rasch, Gudleik
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Rossum, Guido van
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Rowe, William A., Jr.
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Ryabinkin, Eygene
Sato, Yuichi
Schnchez, Wilfredo
Saucier, Jean-Francois
Schoenfeld, Patrick
Schuring, Arno
The following people have worked to translate sudo into other languages:

Blittermann, Mario
Bogusz, Jakub
Buo-ren, Lin
Casagrande, Milo
Castro, Felipe
Cho, Seong-ho
1.1243 commons-beanutils 1.9.3

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1.1247 tomcat-catalina 8.0.43

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1.1248 jackson-databind 2.10.4

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1.1251 boost 1.53.0-27.el7

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Boost.Geometry (aka GGL, Generic Geometry Library)

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--------------------------------------------------------------------------
All the value-based traits in this library conform to MPL’s requirements for an Integral Constant type that includes a number of rather intrusive workarounds for broken compilers.

Purely as an implementation detail, this means that:

- `<a href="reference/integral_constant.html" title="integral_constant" true_type>true_type</a>` inherits from `boost/mpl/bool.html` target="_top`

- `<a href="reference/integral_constant.html" title="integral_constant" false_type>false_type</a>` inherits from `false_`<code class="computeroutput"><a class="link" href="reference/integral_constant.html" title="integral_constant">integral_constant</a><span class="special"><span class="identifier">T</span><span class="special">,</span><span class="identifier">v</span></span></code>(provided `<code class="computeroutput"><span class="identifier">T</span></code> is not `<code class="computeroutput"><span class="keyword">bool</span></code>`)


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This is an attempt to acknowledge early contributions to the garbage collector. Later contributions should instead be mentioned in README.changes.

HISTORY -

Early versions of this collector were developed as a part of research projects supported in part by the National Science Foundation and the Defense Advance Research Projects Agency.

The garbage collector originated as part of the run-time system for the Russell programming language implementation. The first version of the garbage collector was written primarily by Al Demers. It was then refined and mostly rewritten, primarily by Hans-J. Boehm, at Cornell U., the University of Washington, Rice University (where it was first used for C and assembly code), Xerox PARC, SGI, and HP Labs. However, significant contributions have also been made by many others.

Some other contributors:

More recent contributors are mentioned in the modification history in README.changes. My apologies for any omissions.

The SPARC specific code was originally contributed by Mark Weiser. The Encore Multimax modifications were supplied by Kevin Kenny (kenny@m.cs.uiuc.edu). The adaptation to the IBM PC/RT is largely due to Vernon Lee, on machines made available to Rice by IBM. Much of the HP specific code and a number of good suggestions for improving the generic code are due to Walter Underwood. Robert Brazile (brazile@diamond.bbn.com) originally supplied the ULTRIX code. Al Dosser (dosser@src.dec.com) and Regis Cridlig (Regis.Cridlig@cl.cam.ac.uk) subsequently provided updates and information on variation between ULTRIX systems. Parag Patel (parag@netcom.com) supplied the A/UX code. Jesper Peterson(jep@mtiame.mtia.oz.au), Michel Schinz, and Martin Tauchmann (martintauchmann@bigfoot.com) supplied the Amiga port. Thomas Funke (thf@zelator.in-berlin.de(?)) and
Brian D. Carlstrom (bdc@clark.lcs.mit.edu) supplied the NeXT ports.
Douglas Steel (doug@wg.icl.co.uk) provided ICL DRS6000 code.
Bill Janssen (janssen@parc.xerox.com) supplied the SunOS dynamic loader
specific code. Manuel Serrano (serrano@cornas.inria.fr) supplied linux and
Sony News specific code. Al Dossor provided Alpha/OSF/1 code. He and
Dave Detlefs (detlefs@src.dec.com) also provided several generic bug fixes.
Alistair G. Crooks (agc@uts.amdahl.com) supplied the NetBSD and 386BSD ports.
Jeffrey Hsu (hsu@soda.berkeley.edu) provided the FreeBSD port.
Brent Benson (brent@jade.ssd.csd.harris.com) ported the collector to
a Motorola 88K processor running CX/UX (Harris NightHawk).
Ari Huttunen (Ari.Huttunen@hut.fi) generalized the OS/2 port to
nonIBM development environments (a nontrivial task).
Patrick Beard (beard@cs.ucdavis.edu) provided the initial MacOS port.
David Chase, then at Olivetti Research, suggested several improvements.
Scott Schwartz (schwartz@groucho.cse.psu.edu) supplied some of the
code to save and print call stacks for leak detection on a SPARC.
Jesse Hull and John Ellis supplied the C++ interface code.
Zhong Shao performed much of the experimentation that led to the
current typed allocation facility. (His dynamic type inference code hasn't
made it into the released version of the collector, yet.)
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Aleksey Gurtovoy (agurtovoy@meta-comm.com)
Andrei Alexandrescu (andrewalex - at - hotmail.com) (See Boost list message of August 12, 2004 11:06:58 AM EST)
Andrew Lumsdaine ()
Anthony Williams (anthony -at- justsoftwaresolutions.co.uk)
Beman Dawes (bdawes@acm.org)
Brad King (brad.king -at- kitware.com) (See Boost list message of Wed, 21 Jul 2004 11:15:46 -0400)
Brian Osman (osman -at- vvisions.com) (See CVS log)
Bruce Barr (schmoost -at- yahoo.com) (See Boost list of Mon, 16 Aug 2004 15:06:43 -0500)
Bruno da Silva de Oliveira (bruno - at - esss.com.br)
Christain Engstrom (christian.engstrom -at- glindra.org) (See Boost list message of Mon, 30 Aug 2004 14:31:49 +0200)
Cromwell D Enage (sponage -at- yahoo.com) (See Boost list message of August 12, 2004 11:49:13 AM EST)
Dan Gohman (djg -at- cray.com) (See Boost list messsage of Sat, 21 Aug 2004 10:54:59 +0100)
Dan Nuffer (dan -at- nuffer.name)
Daniel Frey (d.frey -at- gmx.de, daniel.frey -at- aixigo.de)
Daniel Nuffer (dan -at- nuffer.name)
Darin Adler (darin -at- bentspoon.com) (Email to Andreas Huber, see change log)
Daryle Walker (darylew - at - hotmail.com)
Dave Abrahams (dave@boost-consulting.com)
Dave Moore (dmoore -at- viefinancial.com) (See Boost list message of 18 Dec 2003 15:35:50 -0500)
David Abrahams (dave@boost-consulting.com)
Dietmar Kuehl (dietmar_kuehl -at- yahoo.com) (Email to Andreas Huber, see change log)
Douglas Gregor (gregod -at- cs.rpi.edu, dgregor -at- cs.indiana.edu, doug.gregor -at- gmail.com)
Dr John Maddock (john - at - johnmaddock.co.uk)
Edward D. Brey (brey -at- ductape.net) (Email to Andreas Huber, see change log)
Eric Ford (un5ofm902 -at- sneakemail.com) (See Boost list message of Sun, 15 Aug 2004 10:29:13 +0100)
Eric Friedman (ebf@users.sourceforge.net)
Eric Niebler (eric@boost-consulting.com)
Fernando Cacciola (fernando_cacciola@ciudad.com.ar)
Fernando Luis Cacciola Carballal (fernando_cacciola@ciudad.com.ar)
Francois Faure (Francois.Faure -at- imag.fr) (See CVS log)
Gary Powell (powel@g - at - amazon.com) (See Boost list message of 10 Feb 2004 14:22:46 -0800)
Gennadiy Rozental (rogeeff -at- mail.com) (Email to Andreas Huber, see change log)
Gottfried Ganssauge (Gottfried.Ganssauge -at- HAUBE.DE) (See Boost List message of Mon, 16 Aug 2004 10:09:19 +0200)
Gottfried Ganauge (Gottfried.Ganssauge -at- HAUBE.DE) (Alternative spelling of Gottfried Ganssauge)
Greg Colvin (gregory.colvin -at- oracle.com) (See Boost list message of Sat, 14 Aug 2004 10:57:00 +0100)
Gregory Colvin (gregory.colvin -at- oracle.com) (See Boost list message of Sat, 14 Aug 2004 10:57:00 +0100)
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//
//
//////////////////////////////////////////////////////////////////////////////

#ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP
#define BOOST_INTERPROCESS_DETAIL_MPL_HPP

#if (defined _MSC_VER) && (_MSC_VER >= 1200)
#  pragma once
#endif

#include <cstddef>

namespace boost {
namespace interprocess {
namespace ipcdetail {

template <class T, T val>
struct integral_constant
{
    static const T value = val;
    typedef integral_constant<T,val> type;
};

}}}
}}}

#include <cstddef>

namespace boost {
namespace interprocess {
namespace ipcdetail {

template <class T, T val>
struct integral_constant
{
    static const T value = val;
    typedef integral_constant<T,val> type;
};

}}}
}}}


template< bool C_ >
struct bool_ : integral_constant<bool, C_>
{
    static const bool value = C_;
};

typedef bool_<true>        true_;
typedef bool_<false>       false_;

typedef true_   true_type;
typedef false_  false_type;

typedef char yes_type;
struct no_type
{
    char padding[8];
};

template <bool B, class T = void>
struct enable_if_c {
    typedef T type;
};
template <class T>
struct enable_if_c<false, T> {};

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {};

template <class Cond, class T = void>
struct disable_if : public enable_if_c<!Cond::value, T> {};

template <class T, class U>
class is_convertible
{
    typedef char true_t;
    class false_t { char dummy[2]; };  
    static true_t dispatch(U);
    static false_t dispatch(...);
    static T trigger();
    public:
    static const bool value = sizeof(dispatch(trigger())) == sizeof(true_t);
};

template<
    bool C
    , typename T1
    , typename T2
 template< bool C_ >
struct bool_ : integral_constant<bool, C_>
{
    static const bool value = C_;
};

typedef bool_<true>        true_;
typedef bool_<false>       false_;

typedef true_   true_type;
typedef false_  false_type;

typedef char yes_type;
struct no_type
{
    char padding[8];
};

template <bool B, class T = void>
struct enable_if_c {
    typedef T type;
};
template <class T>
struct enable_if_c<false, T> {};

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {};

template <class Cond, class T = void>
struct disable_if : public enable_if_c<!Cond::value, T> {};

template <class T, class U>
class is_convertible
{
    typedef char true_t;
    class false_t { char dummy[2]; };  
    static true_t dispatch(U);
    static false_t dispatch(...);
    static T trigger();
    public:
    static const bool value = sizeof(dispatch(trigger())) == sizeof(true_t);
};

template<
    bool C
    , typename T1
    , typename T2
   

struct if_c
{
    typedef T1 type;
};

template<
    typename T1
 , typename T2
>
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

template<
    typename T1
 , typename T2
 , typename T3
>
struct if_
{
    typedef typename if_c<0 != T1::value, T2, T3>::type type;
};

template <class Pair>
struct select1st
//   : public std::unary_function<Pair, typename Pair::first_type>
{
    template<class OtherPair>
    const typename Pair::first_type& operator()(const OtherPair& x) const
    {  return x.first;   }

    const typename Pair::first_type& operator()(const typename Pair::first_type& x) const
    {  return x;   }
};

// identity is an extension: it is not part of the standard.
template <class T>
struct identity
//   : public std::unary_function<T,T>
{
    typedef T type;
    const T& operator()(const T& x) const
    { return x;  }
};
template<
    std::size_t S
>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<(S >> 1u)>::value);
};

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

} // namespace ipcdetail
} // namespace interprocess
} // namespace boost

#endif //ifndef BOOST_INTERPROCESS_DETAIL_MPL_HPP

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Index: boost/mpl/print.hpp

--- boost/mpl/print.hpp(revision 83411)
+++ boost/mpl/print.hpp(working copy)
@@ -45,22 +45,21 @@
 mpl::identity<T>
 #if defined(__MWERKS__)
    aux::print_base
-#endif
+#endif
+    }
 #if defined(BOOST_MSVC)
    enum { n = sizeof(T) + -1 };  
#elif defined(__MWERKS__)
     void f(int);
-#else
-    enum {
- # if defined(__EDG_VERSION__)
-          aux::dependent_unsigned<T>::value > -1
- # else
-          sizeof(T) > -1
- # endif
-     }
- #elif defined (__EDG_VERSION__)
-     aux::dependent_unsigned<T>::value > -1
- # else
-     sizeof(T) > -1
- # endif
 +#endif
+    }
+    }
+ #elif defined(__EDG_VERSION__)
+    enum { n = aux::dependent_unsigned<T>::value > -1 };  
+ #elif defined(BOOST_GCC)
+    enum { n1 };  
+    enum { n2 };  
+    enum { n = n1 != n2 };  
+ #else
enum { n = sizeof(T) > -1 };

#if defined(BOOST_MSVC)

[assembly: ExplicitClass(__FOLD(n) = 1)]

#endif

#endif

#include <cstddef>

namespace boost {
namespace container {
namespace container_detail {

template <class T, T val>
struct integral_constant {
    static const T value = val;
    typedef integral_constant<T,val> type;
};

template< bool C_ >
struct bool_ : integral_constant<bool, C_>
{
    static const bool value = C_;
    operator bool() const { return bool_::value; }
};

typedef bool_<true>        true_;  
typedef bool_<false>       false_; 

typedef true_  true_type;

} } }

Open Source Used In Cisco Unified Contact Center Express 12.5(1) SU2 11139
typedef false_ false_type;
typedef char yes_type;
struct no_type
{
    char padding[8];
};
template <bool B, class T = void>
struct enable_if_c
{
typed T type;
};
template <class T>
struct enable_if_c<false, T> {}; 
template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T> {}; 
template <class Cond, class T = void>
struct disable_if : public enable_if_c<!Cond::value, T> {}; 
template <bool B, class T = void>
struct disable_if_c : public enable_if_c<!B, T> {}; 
template <class T, class U>
class is_convertible
{
typed char true_i;
class false_t { char dummy[2]; }; 
static true_i dispatch(U);
static false_t dispatch(...);
static T trigger();
public:
    enum { value = sizeof(dispatch(trigger())) == sizeof(true_i) }; 
};
template<
    bool C
    , typename T1
    , typename T2
>
struct if_c
{
typed T1 type;
};
template<
typename T1,
, typename T2
>
struct if_c<false,T1,T2>
{
    typedef T2 type;
};

template<
    typename T1
, typename T2
, typename T3
>
struct if_
{
    typedef typename if_c<0 != T1::value, T2, T3>::type type;
};

template <class Pair>
struct select1st
//   : public std::unary_function<Pair, typename Pair::first_type>
{
    template<class OtherPair>
    const typename Pair::first_type& operator()(const OtherPair& x) const
    {  return x.first;  }

    const typename Pair::first_type& operator()(const typename Pair::first_type& x) const
    {  return x;  }
};

// identity is an extension: it is not part of the standard.
template <class T>
struct identity
//   : public std::unary_function<T,T>
{
    typedef T type;
    const T& operator()(const T& x) const
    {  return x;  }
};

template<std::size_t S>
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1u + ls_zeros<(S >> 1u)>::value);
};

```
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

template<typename T> struct unvoid { typedef T type; };

template <> struct unvoid<void> { struct type { }; };

template <> struct unvoid<const void> { struct type { }; };

}  //namespace container_detail {
}  //namespace container {
}  //namespace boost {

#endif  //ifndef BOOST_CONTAINER_CONTAINER_DETAIL_MPI_HPP

<?xml version="1.0" encoding="UTF-8"?>
<!DOCTYPE article PUBLIC "-//Boost//DTD BoostBook XML V1.0//EN"
 "http://www.boost.org/tools/boostbook/dtd/boostbook.dtd">
<article id="copyright_test" last-revision="DEBUG MODE Date: 2000/12/20 12:00:00 "$"
 xmlns:xi="http://www.w3.org/2001/XInclude">
<title>Copyright Test</title>
<articleinfo>
<copyright>
<year>1963</year> <year>1964</year> <year>1965</year> <holder>Jane Doe</holder>
</copyright>
<copyright>
<year>2018</year> <holder>Joe Blow, John Coe</holder>
</copyright>
<copyright>
<year>1977</year> <year>1985</year> <holder>Someone else</holder>
</copyright>
</articleinfo>
</article>
[article Invalid copyright years
[quickbook 1.5]
[copyright 2010-2001 Timequake man]
] This package was debianized by Vladimir Prus <ghost@cs.msu.su> on

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namespace boost {
namespace intrusive {
namespace detail {

typedef char one;
struct two { one _[2]; };
template< bool C_ >
struct bool_
{
    static const bool value = C_; 
};

typedef bool_<true>        true_;
typedef bool_<false>       false_;

typedef true_    true_type;
typedef false_   false_type;

typedef char yes_type;
struct no_type
{
    char padding[8];
};

template <bool B, class T = void>
struct enable_if_c {
    typedef T type;
};
template <class T>
struct enable_if_c<false, T> {}; 

template <class Cond, class T = void>
struct enable_if : public enable_if_c<Cond::value, T>{};

template<class F, class Param>
struct apply
{
    typedef typename F::template apply<Param>::type type;
};

template <class T, class U>
class is_convertible
{
    typedef char true_t;
    class false_t { char dummy[2]; }; 
    static true_t dispatch(U);
    static false_t dispatch(...);
    static const T &trigger(); 
    public:
        static const bool value = sizeof(dispatch(trigger())) == sizeof(true_t);
};
template<
    bool C
    , typename T1
    , typename T2
>
struct if_<
{
  typedef T1 type;
};

template<
    typename T1
    , typename T2
>
struct if_<false,T1,T2>
{
  typedef T2 type;
};

template<
    typename C
    , typename T1
    , typename T2
>
struct if_<
{
  typedef typename if_<0 != C::value, T1, T2>::type type;
};

template<
    bool C
    , typename F1
    , typename F2
>
struct eval_if_<
    : if_<C,F1,F2>::type
{
};

template<
    typename C
    , typename T1
    , typename T2
>
struct eval_if_<
    : if_<C,T1,T2>::type
{
};

// identity is an extension: it is not part of the standard.
template <class T>
struct identity
{
    typedef T type;
};

#if defined(BOOST_MSVC) || defined(__BORLANDC__)
#define BOOST_INTRUSIVE_TT_DECL __cdecl
#else
#define BOOST_INTRUSIVE_TT_DECL
#endif
#if defined(_MSC_EXTENSIONS) && !defined(__BORLAND__) && !defined(_WIN64) &&
!defined(UNDER_CE)
#define BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS
#endif

template <typename T>
struct is_unary_or_binary_function_impl
{
    static const bool value = false;
};

// see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R>
struct is_unary_or_binary_function_impl<R (*)(*)>
{
    static const bool value = true;
};

template <typename R>
struct is_unary_or_binary_function_impl<R (*)(...)>
{
    static const bool value = true;
};
#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R>
struct is_unary_or_binary_function_impl<R (__stdcall*)()>
{
    static const bool value = true;
};
#ifndef _MANAGED

template <typename R>
struct is_unary_or_binary_function_impl<R (__fastcall*)()>
{
    static const bool value = true;
};
#endif
#endif

template <typename R>
struct is_unary_or_binary_function_impl<R (__cdecl*)() >
{ static const bool value = true; };

template <typename R>
struct is_unary_or_binary_function_impl<R (__cdecl*)(...)> 
{ static const bool value = true; };

#endif

// see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (*)(T0)> 
{ static const bool value = true; };

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (*)(T0...)>
{ static const bool value = true; };

#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (__stdcall*)(T0)> 
{ static const bool value = true; };

#ifndef _MANAGED

template <typename R, class T0>
struct is_unary_or_binary_function_impl<R (__fastcall*)(T0)> 
{ static const bool value = true; };

#endif

#endif // see boost ticket #4094
// avoid duplicate definitions of is_unary_or_binary_function_impl
#ifndef BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS
template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (*)(T0, T1)>
{  static const bool value = true;  };

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (*)(T0, T1...)>
{  static const bool value = true;  };

#else // BOOST_INTRUSIVE_TT_TEST_MSC_FUNC_SIGS

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__stdcall*)(T0, T1)>
{  static const bool value = true;  };

#ifndef _MANAGED

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__fastcall*)(T0, T1)>
{  static const bool value = true;  };
#endif

template <typename R, class T0, class T1>
struct is_unary_or_binary_function_impl<R (__cdecl*)(T0, T1...)>
{  static const bool value = true;  };
#endif

template <typename T>
struct is_unary_or_binary_function_impl<T&>
{  static const bool value = false;  };

template<typename T>
struct is_unary_or_binary_function
{  static const bool value = is_unary_or_binary_function_impl<T>::value;  };

//boost::alignment_of yields to 10K lines of preprocessed code, so we
//need an alternative

template <typename T> struct alignment_of_hack
{
  char c;
}
T t;
    alignment_of_hack();
};

template <unsigned A, unsigned S>
struct alignment_logic
{
    static const std::size_t value = A < S ? A : S;
};

template< typename T >
struct alignment_of
{
    static const std::size_t value = alignment_logic
        < sizeof(alignment_of_hack<T>) - sizeof(T)
        , sizeof(T)
        >::value;
};

template <typename T, typename U>
struct is_same
{
    typedef char yes_type;
    struct no_type
    {
        char padding[8];
    };

    template <typename V>
    static yes_type is_same_tester(V*, V*);
    static no_type is_same_tester(...);

    static T *t;
    static U *u;

    static const bool value = sizeof(yes_type) == sizeof(is_same_tester(t,u));
};

template<typename T>
struct add_const
{  typedef const T type;   };

template<typename T>
struct remove_const
{  typedef  T type;   };

template<typename T>
struct remove_const<const T>
```cpp
{  typedef T type;  };

template<typename T>
struct remove_cv
{  typedef T type;  };

template<typename T>
struct remove_cv<const T>
{  typedef T type;  };

template<typename T>
struct remove_cv<const volatile T>
{  typedef T type;  };

template<typename T>
struct remove_cv<volatile T>
{  typedef T type;  };

template<class T>
struct remove_reference
{
  typedef T type;
};

template<class T>
struct remove_reference<T&>
{
  typedef T type;
};

template<class Class>
class is_empty_class
{
  template<typename T>
  struct empty_helper_t1 : public T
  {
    empty_helper_t1();
    int i[256];
  };

  struct empty_helper_t2
  { int i[256]; };

  public:
  static const bool value = sizeof(empty_helper_t1<Class>) == sizeof(empty_helper_t2);
};

template<std::size_t S>
```
struct ls_zeros
{
    static const std::size_t value = (S & std::size_t(1)) ? 0 : (1 + ls_zeros<(S>>1u)>::value);
};

template<>
struct ls_zeros<0>
{
    static const std::size_t value = 0;
};

template<>
struct ls_zeros<1>
{
    static const std::size_t value = 0;
};

} //namespace intrusive
} //namespace boost

#include <boost/intrusive/detail/config_end.hpp>

[section:mpl MPL Interoperability]

All the value based traits in this library conform to MPL's requirements for an [Integral Constant type]: that includes a number of rather intrusive workarounds for broken compilers.

Purely as an implementation detail, this means that `__true_type` inherits from `boost::mpl::true_`, `__false_type` inherits from `boost::mpl::false_`, and `__integral_constant<T, v>` inherits from `boost::mpl::integral_c<T,v>` (provided `T` is not `bool`)

[endsect]

*/
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http://www.boost.org/LICENSE_1_0.txt).
]
/*
 */
* Copyright (c) 2003 Dr John Maddock
* Use, modification and distribution is subject to the
* Boost Software License, Version 1.0. (See accompanying file
* LICENSE_1_0.txt or copy at http://www.boost.org/LICENSE_1_0.txt)
* */

#include "licence_info.hpp"
#include "bcp_imp.hpp"
#include "fileview.hpp"
#include <fstream>
#include <iomanip>
#include <cstring>
#include <stdexcept>
#include <boost/lexical_cast.hpp>
#include <boost/filesystem/operations.hpp>
#include <boost/throw_exception.hpp>

// split_path is a small helper for outputting a path name,
// complete with a link to that path:
//
struct split_path
{
    const fs::path& root;
    const fs::path& file;
    split_path(const fs::path& r, const fs::path& f)
        : root(r), file(f) {}
private:
    split_path& operator=(const split_path&);
};

std::ostream& operator << (std::ostream& os, const split_path& p)
{
    os << "<a href="""" << (p.root / p.file).string() << "">"" << p.file.string() << ""</a>"";
    return os;
}

std::string make_link_target(const std::string& s)
{
    // convert an arbitrary string into something suitable
    // for an <a> name:

std::string result;
for(unsigned i = 0; i < s.size(); ++i)
{
    result.append(1, static_cast<std::string::value_type>(std::isalnum(s[i]) ? s[i] : '_')));
}
return result;

void bcp_implementation::output_license_info()
{
    std::pair<const license_info*, int> licenses = get_licenses();

    std::map<int, license_data>::const_iterator i, j;
i = m_license_data.begin();
j = m_license_data.end();

    std::ofstream os(m_dest_path.string().c_str());
    if(!os)
    {
        std::string msg("Error opening ");
        msg += m_dest_path.string();
        msg += " for output.");
        std::runtime_error e(msg);
        boost::throw_exception(e);
    }
    os <<
        "<!DOCTYPE HTML PUBLIC \"-/W3C//DTD HTML 4.0 Transitional//EN\" \n"
        "<html>\n"
        "<head>\n"
        "<title>Boost Licence Dependency Information</title>"
        if(m_module_list.size() == 1)
        {
            os << " for " << *(m_module_list.begin());
        }
    os <<
        "</head>\n"
        "</head>\n"
        "<body>\n"
        "<H1>Boost Licence Dependency Information</H1>
        if(m_module_list.size() == 1)
        {
            os << " for " << *(m_module_list.begin());
        }
    os <<
        "</H1>\n"
        "<H2>Contents</H2>\n"
        "<pre><a href="#input">Input Information</a>
"
if(!m_bsl_summary_mode)
    os << "<a href="#summary">Licence Summary</a><br/>
";
    os << "<a href="#details">Licence Details</a><br/>
";

while(i != j)
{
    // title:
    os << "<A href=""#"" "" make_link_target(licenses.first[i->first].license_name)
    "">" licenses.first[i->first].license_name << "</a><br/>
    ++i;
}

os << "<a href="#files">Files with no recognised license</a><br/>
";<a href="#authors">Files with no recognised copyright holder</a><br/>
if(!m_bsl_summary_mode)
{
    os <<
    "Moving to the Boost Software License...\n"
    " <a href="#bsl-converted">Files that can be automatically converted to the Boost Software License</a><br/>
    " <a href="#to-bsl">Files that can manually be moved to the Boost Software License</a><br/>
    " <a href="#not-to-bsl">Files that can NOT be moved to the Boost Software License</a><br/>
    " <a href="#need-bsl-authors">Files that can be moved to the Boost Software License</a><br/>
    " <a href="#copyright">Copyright Holder Information</a><br/>
};

os <<
"<a href="#depend">File Dependency Information</a><br/>
";</n>
fileview version_file(m_boost_path / "boost/version.hpp");
static const boost::regex version_regex(
    "^[[:blank:]]*#[:=]*define[:=]+BOOST_VERSION[[:blank:]]+(\d+)\);  
boost::cmatch what;
if(boost::regex_search(version_file.begin(), version_file.end(), what, version_regex))
{
    int version = boost::lexical_cast<int>(what.str(1));
    os << "<p>The Boost version is: " << version / 100000 << "." << version / 100 % 100 << "\n";
}

// output each license:
//
i = m_license_data.begin();
j = m_license_data.end();
if(!m_bsl_summary_mode)
{
    // start with the summary:
    //
    os << "<a name="summary"></a><h2>Licence Summary</h2>
    while(i != j)
    {
        // title:
        os << "<H3>" << licenses.first[i->first].license_name << "</H3>\n";
        // license text:
        os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
        // Copyright holders:
        os << "<P>This license is used by " << i->second.authors.size() << " authors and " << i->second.files.size() << " files <a href="#" make_link_target(licenses.first[i->first].license_name)>(see details)</a>";
        os << "</P></BLOCKQUOTE>\n";
        ++i;
    }
    //
    // and now the details:
    //
i = m_license_data.begin();
j = m_license_data.end();
int license_index = 0;
    os << "<a name="details"></a><h2>Licence Details</h2>
    while(i != j)
    {

// title:
os << "<H3><A name="" << make_link_target(licenses.first[i->first].license_name) << ">"></a>" << licenses.first[i->first].license_name << "</H3>
";

// license text:
os << "<BLOCKQUOTE>" << licenses.first[i->first].license_text << "</BLOCKQUOTE>";
if(!m_bsl_summary_mode || (license_index >= 3))
{
    // Copyright holders:
os << "<P>This license is used by the following " << i->second.authors.size() << " copyright holders:\n";
    std::set<std::string>::const_iterator x, y;
x = i->second.authors.begin();
y = i->second.authors.end();
while(x != y)
{
os << *x << "<BR>";
    ++x;
}
os << "</P></BLOCKQUOTE>\n";
    // Files using this license:
os << "<P>This license applies to the following " << i->second.files.size() << " files:\n";
    std::set<fs::path, path_less>::const_iterator m, n;
m = i->second.files.begin();
n = i->second.files.end();
while(m != n)
{
    os << split_path(m_boost_path, *m) << "<br>";
    ++m;
}
os << "</P></BLOCKQUOTE>\n";
}
else
{
os << "<P>This license is used by " << i->second.authors.size() << " authors (list omitted for brevity).\n";
os << "<P>This license applies to " << i->second.files.size() << " files (list omitted for brevity).\n";
}
++license_index;
++i;
}

// Output list of files not found to be under license control:
//
os << "<h2><a name="files">Files With No Recognisable Licence</a></h2>\n"
"<P>The following " << m_unknown_licenses.size() << " files had no recognisable license information:\n";
std::set<fs::path, path_less>::const_iterator i2, j2;

i2 = m_unknown_licenses.begin();
j2 = m_unknown_licenses.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>
    ++i2;
}
os << "</p></BLOCKQUOTE>";

// Output list of files with no found copyright holder:
//
os << "<h2><a name="authors"></a>Files With No Recognisable Copyright Holder</h2>";
"<P>The following " << m_unknown_authors.size() << " files had no recognisable copyright holder:</P>";
i2 = m_unknown_authors.begin();
j2 = m_unknown_authors.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "<br>
    ++i2;
}
os << "</p></BLOCKQUOTE>";
if(!m_bsl_summary_mode)
{
    // Output list of files that have been moved over to the Boost Software License, along with enough information for human verification.
    //
os << "<h2><a name="bsl-converted"></a>Files that can be automatically converted to the Boost Software License</h2>";
    "<P>The following " << m_converted_to_bsl.size() << " files can be automatically converted to the Boost Software License, but require manual verification before they can be committed to CVS:</P>";
    if (!m_converted_to_bsl.empty())
    {
        typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>::const_iterator conv_iterator;
        conv_iterator i = m_converted_to_bsl.begin(),
        ie = m_converted_to_bsl.end();
        int file_num = 1;
        while (i != ie)
        {
            os << "<P>"< file_num << "] File: <tt"> << split_path(m_boost_path, i->first)
            "<tt><br>" << i->second.first << "</tt><br><tt>
            "<tt><td><pre>
            "<tt><i>" << i->second.second << "</pre></i></td>
            "<tt><i><table><n";  
            ++i;
            ++file_num;
    }
// Output list of files that could be converted to the Boost Software License

os << "Files that could be converted to the Boost Software License:\n";

"<P>The following " << m_can_migrate_to_bsl.size() << " files could be manually converted to the Boost Software License, but have not yet been:\n";
i2 = m_can_migrate_to_bsl.begin();
j2 = m_can_migrate_to_bsl.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "\n";
    ++i2;
}
os << "</p></BLOCKQUOTE>";

// Output list of files that can not be converted to the Boost Software License

os << "Files that can NOT be converted to the Boost Software License:\n";

"<P>The following " << m_cannot_migrate_to_bsl.size() << " files cannot be converted to the Boost Software License because we need the permission of more authors:\n";
i2 = m_cannot_migrate_to_bsl.begin();
j2 = m_cannot_migrate_to_bsl.end();
while(i2 != j2)
{
    os << split_path(m_boost_path, *i2) << "\n";
    ++i2;
}
os << "</p></BLOCKQUOTE>";

// Output list of authors that we need permission for to move to the BSL

os << "Authors we need for the BSL:\n";

"<P>Permission of the following authors is needed before we can convert to the Boost Software License. The list of authors that have given their permission is contained in more/blanket-permission.txt:\n";

std::copy(m_authors_for_bsl_migration.begin(), m_authors_for_bsl_migration.end(),
    std::ostream_iterator<std::string>(os, "\n"));
os << "</p></BLOCKQUOTE>";

// Output a table of copyright information:

os << "Copyright Holder Information:\n";

std::map<std::string, std::set<fs::path, path_less>> ad, ead;
ad = m_author_data.begin();
ead = m_author_data.end();
while(ad != ead)
{
    os << "\lt\tr\lttd\" " << ad->first << " \lt\td\lt/td\" ";
    std::set<fs::path, path_less>::const_iterator fi, efi;
    fi = ad->second.begin();
    efi = ad->second.end();
    while(fi != efi)
    {
        os << split_path(m_boost_path, *fi) << " ";
        ++fi;
    }
    os << "\lt\/tr\lt\n";
    ++ad;
}
os << "\lt\table\lt\n";
}


// output file dependency information:
//
// os << "\lt\H2\lt\a name=\"depend\"\gt File Dependency Information\lt\H2\lt\/BLOCKQUOTE\lt\pre\lt\n";
std::map<fs::path, fs::path, path_less>::const_iterator dep, last_dep;
std::set<fs::path, path_less>::const_iterator fi, efi;
fi = m_copy_paths.begin();
efi = m_copy_paths.end();
// if in summary mode, just figure out the "bad" files and print those only:
std::set<fs::path, path_less> bad_paths;
if(m_bsl_summary_mode)
{
    bad_paths.insert(m_unknown_licenses.begin(), m_unknown_licenses.end());
    bad_paths.insert(m_unknown_authors.begin(), m_unknown_authors.end());
    bad_paths.insert(m_can_migrate_to_bsl.begin(), m_can_migrate_to_bsl.end());
    bad_paths.insert(m_cannot_migrate_to_bsl.begin(), m_cannot_migrate_to_bsl.end());
    typedef std::map<fs::path, std::pair<std::string, std::string>, path_less>
        ::const_iterator conv_iterator;
    conv_iterator i = m_converted_to_bsl.begin(),
    ie = m_converted_to_bsl.end();
    while(i != ie)
    {
        bad_paths.insert(i->first);
        ++i;
    }
    fi = bad_paths.begin();
    efi = bad_paths.end();
    os << "\lt\P\gt For brevity, only files not under the BSL are shown\lt\P\lt\n";
}
while(fi != efi)
{

os << split_path(m_boost_path, *fi);
dep = m_dependencies.find(*fi);
last_dep = m_dependencies.end();
std::set<fs::path, path_less> seen_deps;
if (dep != last_dep)
    while(true)
    {
        os << " -> ";
        if(fs::exists(m_boost_path / dep->second))
            os << split_path(m_boost_path, dep->second);
        else if(fs::exists(dep->second))
            os << split_path(fs::path(), dep->second);
        else
            os << dep->second.string();
        if(seen_deps.find(dep->second) != seen_deps.end())
            {
                os << " <I>(Circular dependency!)</I>";
                break; // circular dependency!!!
            }
        seen_deps.insert(dep->second);
        last_dep = dep;
        dep = m_dependencies.find(dep->second);
        if((dep == m_dependencies.end()) || (0 == compare_paths(dep->second, last_dep->second)))
            break;
    }
    os << "\n";
++fi;
}
os << "</pre></BLOCKQUOTE>\n";
os << "</body></html>\n";

if(!os)
{
    std::string msg("Error writing to ");
    msg += m_dest_path.string();
    msg += ": ";
    std::runtime_error e(msg);
    boost::throw_exception(e);
}
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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library.
It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007.
It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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1.1253 mail 1.6.0

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1.1254 tomcat-websocket 9.0.45

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1.1255 idna 2.4
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```python
import io, sys
from setuptools import setup

version = "2.4"

def main():

    python_version = sys.version_info[:2]
```
if python_version < (2,6):
    raise SystemExit("Sorry, Python 2.6 or newer required")

arguments = {
    'name': 'idna',
    'packages': ['idna'],
    'version': version,
    'description': 'Internationalized Domain Names in Applications (IDNA)',
    'long_description': io.open("README.rst", encoding="UTF-8").read(),
    'author': 'Kim Davies',
    'author_email': 'kim@cynosure.com.au',
    'license': 'BSD-like',
    'url': 'https://github.com/kjd/idna',
    'classifiers': [
        'Development Status :: 5 - Production/Stable',
        'Intended Audience :: Developers',
        'Intended Audience :: System Administrators',
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        'Programming Language :: Python',
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        'Programming Language :: Python :: 3',
        'Programming Language :: Python :: 3.3',
        'Programming Language :: Python :: 3.4',
        'Programming Language :: Python :: 3.5',
        'Topic :: Internet :: Name Service (DNS)',
        'Topic :: Software Development :: Libraries :: Python Modules',
        'Topic :: Utilities',
    ],
    'test_suite': 'tests',
}

setup(**arguments)

if __name__ == '__main__':
    main()

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1073192095_1596538050.69/0/python-idna-2.4-1.el7-1.src.rpm-cosi-expand-archive-T43oinCV/idna-2.4.tar.gz-cosi-expand-archive-7rjKdsqo/idna-2.4/setup.py
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1.1256 httpasyncclient 4.1.4

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1.1257 pcsc-lite 1.8.24-r1

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* /opt/cola/permits/1110676728_1606843273.36/0/netty-codec-http2-4-1-32-final-sources-1-
  jar/io/netty/handler/codec/http2/Http2SettingsFrame.java
* /opt/cola/permits/1110676728_1606843273.36/0/netty-codec-http2-4-1-32-final-sources-1-
  jar/io/netty/handler/codec/http2/Http2FrameCodec.java
* /opt/cola/permits/1110676728_1606843273.36/0/netty-codec-http2-4-1-32-final-sources-1-
  jar/io/netty/handler/codec/http2/DefaultHttp2HeadersFrame.java
* /opt/cola/permits/1110676728_1606843273.36/0/netty-codec-http2-4-1-32-final-sources-1-
  jar/io/netty/handler/codec/http2/Http2PingFrame.java
* /opt/cola/permits/1110676728_1606843273.36/0/netty-codec-http2-4-1-32-final-sources-1-
  jar/io/netty/handler/codec/http2/DefaultHttp2DataFrame.java
* /opt/cola/permits/1110676728_1606843273.36/0/netty-codec-http2-4-1-32-final-sources-1-
  jar/io/netty/handler/codec/http2/Http2StreamFrameToHttpObjectCodec.java
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1.1264 hpack 1.0.2

1.1265 client 1.0.0-beta.2
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lib/gss_mechs/mech_krb5/et/kdb5_err.c
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
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lib/libgss/g_userok.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
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lib/gssapi/mechglue/g_compare_name.c
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lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
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1.1271 libxext 1.3.3 3.el7

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*
* $Id: IterableParentAxis.java,v 1.7 2006/06/03 20:47:22 elharo Exp $
*/

Found in path(s):
* /opt/cola/permits/1000765675_160871209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/expr/iter/IterableParentAxis.java
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/*
* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/saxpath/Operator.java,v 1.5 2006/02/05
  21:47:42 elharo Exp $
* $Revision: 1.5 $
* $Date: 2006/02/05 21:47:42 $
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* $Id: Operator.java,v 1.5 2006/02/05 21:47:42 elharo Exp $
*/

Found in path(s):
/ %opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources.jar/org/jaxen/saxpath/Operator.java
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* $Date: 2006/11/08 15:57:20 $
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* $Id: UnionExpr.java,v 1.7 2006/11/08 15:57:20 elharo Exp $
* /

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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/expr/UnionExpr.java
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/*
* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/FunctionContext.java,v 1.10 2006/02/05
  21:47:41 elharo Exp $
* $Revision: 1.10 $
* $Date: 2006/02/05 21:47:41 $
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* $Id: FunctionContext.java,v 1.10 2006/02/05 21:47:41 elharo Exp $
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 * $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/pattern/LocationPathPattern.java,v 1.15
 * 2006/02/05 21:47:42 elharo Exp $
 * $Revision: 1.15 $
 * $Date: 2006/02/05 21:47:42 $
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* $Id: IterableDescendantOrSelfAxis.java,v 1.7 2006/06/03 20:47:22 elharo Exp $
*/

Found in path(s):
* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
jar/org/jaxen/expr/iter/IterableDescendantOrSelfAxis.java
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2006/11/30 18:49:26 elharo Exp $
* $Revision: 1.16 $
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* $Id: NumberFunction.java,v 1.18 2006/02/05 21:47:41 elharo Exp $
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/function/NumberFunction.java
* $Revision: 1.11 $
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* $Id: FollowingSiblingAxisIterator.java,v 1.11 2006/11/09 18:20:12 elharo Exp $
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* $Id: LiteralExpr.java,v 1.9 2006/11/08 16:47:30 elharo Exp $
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* Jaxen Project, please see <http://www.jaxen.org/>.
* $Id: MultiplicativeExpr.java,v 1.6 2006/11/09 16:21:05 elharo Exp $
*/

Found in path(s):
* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/expr/MultiplicativeExpr.java
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/*
* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/expr/DefaultStep.java,v 1.21 2006/02/05
  21:47:40 elharo Exp $
* $Revision: 1.21 $
* $Date: 2006/02/05 21:47:40 $  
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* $Id: DefaultStep.java,v 1.21 2006/02/05 21:47:40 elharo Exp $  
* /

Found in path(s):
* /opt/cola/permits/1000765675_160871209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/expr/DefaultStep.java
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* $Id: UnresolvableException.java,v 1.7 2006/06/03 20:21:05 elharo Exp $
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/UnresolvableException.java
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* $Id: SAXPathEventSource.java,v 1.5 2006/02/05 21:47:42 elharo Exp $
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/saxpath/SAXPathEventSource.java
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* $Id: AnyChildNodeTest.java,v 1.6 2006/02/05 21:47:42 elharo Exp $
*/

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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/pattern/AnyChildNodeTest.java
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* $Id: NumberExpr.java,v 1.8 2006/11/08 17:17:32 elharo Exp $
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* /opt/cola/permits/1000765675_160871209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
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  18:49:26 elharo Exp $
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$Id: TextNodeStep.java,v 1.6 2006/11/08 18:52:02 elharo Exp$

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 * $Id: SubstringBeforeFunction.java,v 1.10 2006/02/05 21:47:41 elharo Exp $
***/

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  jar/org/jaxen/function/SubstringBeforeFunction.java

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21:47:42 elharo Exp $
* $Revision: 1.6 $
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$Id: DefaultXPathExpr.java,v 1.9 2006/06/03 20:52:26 elharo Exp$

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$Id: DefaultNameStep.java,v 1.53 2007/04/17 01:26:35 bewins Exp$

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* $Id: SAXPathException.java,v 1.14 2006/06/03 20:28:45 elharo Exp $
*/

Found in path(s):
* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
jar/org/jaxen/saxpath/SAXPathException.java
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/*
* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/function/NotFunction.java,v 1.9 2006/02/05
21:47:41 elharo Exp $
* $Revision: 1.9 $
* $Date: 2006/02/05 21:47:41 $
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
* jar/org/jaxen/function/NotFunction.java
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$Id: DefaultTruthExpr.java,v 1.10 2006/02/05 21:47:40 elharo Exp $

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/opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/expr/DefaultTruthExpr.java

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* $Id: FalseFunction.java,v 1.11 2006/02/05 21:47:41 elharo Exp$
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* /opt/cola/permits/1000765675_160871209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/function/FalseFunction.java
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* $Id: EvaluateFunction.java,v 1.10 2006/02/05 21:47:42 elharo Exp $
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* jar/org/jaxen/JaxenConstants.java
* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
* jar/org/jaxen/JaxenRuntimeException.java

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* $Id: ProcessingInstructionNodeStep.java,v 1.5 2006/11/08 15:44:33 elharo Exp $
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
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* $Id: DefaultNavigator.java,v 1.19 2006/02/05 21:47:41 elharo Exp$
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* $Id: NameFunction.java,v 1.11 2006/02/05 21:47:41 elharo Exp $
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
* jar/org/jaxen/function/NameFunction.java
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*$Id: SumFunction.java,v 1.11 2006/02/05 21:47:41 elharo Exp $
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
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$Id: DescendantOrSelfAxisIterator.java,v 1.11 2006/11/09 18:20:12 elharo Exp $
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Found in path(s):
/ /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/util/DescendantOrSelfAxisIterator.java

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* $Id: DefaultAdditiveExpr.java,v 1.9 2006/02/05 21:47:40 elharo Exp $
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 * 2006/02/05 21:47:42 elharo Exp $
 * $Revision: 1.6 $
 * $Date: 2006/02/05 21:47:42 $
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* $Id: DocumentFunction.java,v 1.6 2006/02/05 21:47:42 elharo Exp $
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
jar/org/jaxen/function/xslt/DocumentFunction.java

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 * $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/util/SelfAxisIterator.java,v 1.10 2007/05/02
14:33:29 elharo Exp $
 * $Revision: 1.10 $
 * $Date: 2007/05/02 14:33:29 $
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* $Id: Axis.java,v 1.8 2006/03/30 13:56:36 elharo Exp $
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/saxpath/Axis.java
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* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/function/StringFunction.java,v 1.33 2006/02/05
21:47:41 elharo Exp $
* $Revision: 1.33 $
* $Date: 2006/02/05 21:47:41 $
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/function/StringFunction.java

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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/saxpath/base/XPathReader.java
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/saxpath/base/Verifier.java
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* $Date: 2007/05/02 14:27:46 $
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* $Id: Predicate.java,v 1.14 2007/05/02 14:27:46 elharo Exp $
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
jar/org/jaxen/expr/Predicate.java
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* $Id: XPathLexer.java,v 1.17 2006/02/05 21:47:42 elharo Exp $
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
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* $Id: IterableDescendantAxis.java,v 1.7 2006/06/03 20:47:22 elharo Exp $
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/expr/iter/IterableDescendantAxis.java
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* $Id: DefaultProcessingInstructionNodeStep.java,v 1.18 2007/01/06 12:21:12 elharo Exp $
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Found in path(s):
*/opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/expr/DefaultProcessingInstructionNodeStep.java
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jar/org/jaxen/function/LocalNameFunction.java

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* $Id: RelationalExpr.java,v 1.6 2006/11/09 16:21:05 elharo Exp $
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* $Revision: 1.13 $
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* $Id: Pattern.java,v 1.13 2006/04/07 17:11:52 elharo Exp $
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/pattern/Pattern.java
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/*
* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/expr/NameStep.java,v 1.5 2006/11/08 17:10:02
  elharo Exp $
* $Revision: 1.5 $
* $Date: 2006/11/08 17:10:02 $
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/opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
jar/org/jaxen/expr/NameStep.java

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$Id: JavaBeanXPath.java,v 1.6 2006/06/03 20:36:00 elharo Exp $

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$Id: NodeTest.java,v 1.6 2006/02/05 21:47:42 elharo Exp $

Found in path(s):
/opt/cola/permits/1000765675_160871209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/pattern/NodeTest.java

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* $Id: IterableNamespaceAxis.java,v 1.7 2006/06/03 20:47:22 elharo Exp $
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
jar/org/jaxen/expr/iter/IterableNamespaceAxis.java
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* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/expr/DefaultAbsoluteLocationPath.java,v 1.18
2006/11/30 18:49:27 elharo Exp $
* $Revision: 1.18 $
* $Date: 2006/11/30 18:49:27 $
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
jar/org/jaxen/expr/DefaultAbsoluteLocationPath.java
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* $Id: DOMXPath.java,v 1.10 2006/06/03 20:44:16 elharo Exp $
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  jar/org/jaxen/dom/DOMXPath.java
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/*
* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/saxpath/XPathReader.java,v 1.6 2006/02/05
  21:47:42 elharo Exp $
* $Revision: 1.6 $
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20:26:36 elharo Exp $ 
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  * $Id: StartsWithFunction.java,v 1.11 2006/02/05 21:47:41 elharo Exp $
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* $Id: StringLengthFunction.java,v 1.12 2006/02/05 21:47:41 elharo Exp $
* /

Found in path(s):
* /opt/cola/permits/1000765675_160871209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/function/StringLengthFunction.java
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/**
* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/pattern/PatternParser.java,v 1.18 2006/02/05
  21:47:42 elharo Exp $
* $Revision: 1.18 $
* $Date: 2006/02/05 21:47:42 $
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* /opt/cola/permits/1000765675_160871209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/pattern/PatternParser.java
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  16:21:05 elharo Exp $
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$Id: AdditiveExpr.java,v 1.6 2006/11/09 16:21:05 elharo Exp $
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* $Id: AnyNodeTest.java,v 1.8 2006/02/05 21:47:42 elharo Exp $
*/

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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
jar/org/jaxen/pattern/AnyNodeTest.java
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elharo Exp $
* $Revision: 1.30 $
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* $Id: PositionFunction.java,v 1.11 2006/02/05 21:47:41 elharo Exp$  
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jar/org/jaxen/util/DescendantAxisIterator.java

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* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/pattern/TextNodeTest.java,v 1.6 2006/02/05
21:47:42 elharo Exp $
* $Revision: 1.6 $
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/pattern/TextNodeTest.java
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* $Id: DefaultArithExpr.java,v 1.10 2006/02/05 21:47:40 elharo Exp $
* /

Found in path(s):
* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
* jar/org/jaxen/expr/DefaultArithExpr.java

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* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/JaxenException.java,v 1.17 2006/06/03
* 20:27:21 elharo Exp $
* $Revision: 1.17 $
* $Date: 2006/06/03 20:27:21 $
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jar/org/jaxen/JaxenException.java
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* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/function/ConcatFunction.java,v 1.9 2006/02/05
21:47:41 elharo Exp $
* $Revision: 1.9 $
* $Date: 2006/02/05 21:47:41 $
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* $Id: ConcatFunction.java,v 1.9 2006/02/05 21:47:41 elharo Exp $
* /

Found in path(s):
* /opt/cola/permits/1000765675_160871209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
* jar/org/jaxen/function/ConcatFunction.java

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* $Id$
* */

Found in path(s):
* /opt/cola/permits/1000765675_160871209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/expr/NodeComparator.java
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* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/pattern/NameTest.java,v 1.7 2006/02/05 21:47:42 elharo Exp $
* $Revision: 1.7 $
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources.jar/org/jaxen/util/FollowingAxisIterator.java

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* $Revision: 1.14 $
* $Date: 2006/02/05 21:47:40 $
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* $Id: DefaultExpr.java,v 1.14 2006/02/05 21:47:40 elharo Exp $
*/

Found in path(s):
* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-l-1-patched-shani-1-l-4-17-sources-
jar/org/jaxen/expr/DefaultExpr.java
No license file was found, but licenses were detected in source scan.

/*
 * $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/expr/DefaultLogicalExpr.java,v 1.8 2006/02/05
21:47:40 elharo Exp $
 * $Revision: 1.8 $
 * $Date: 2006/02/05 21:47:40 $
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* $Id: DefaultLogicalExpr.java,v 1.8 2006/02/05 21:47:40 elharo Exp $
*/

Found in path(s):
* /opt/cola/permits/1000765675_160871209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/expr/DefaultLogicalExpr.java
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  18:49:26 elharo Exp $
* $Revision: 1.14 $
* $Date: 2006/11/30 18:49:26 $
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* *
* $Id: XPathSyntaxException.java,v 1.10 2006/06/03 20:29:30 elharo Exp $
*/

Found in path(s):
* /opt/cola/permits/1000765675_160871209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/saxpath/XPathSyntaxException.java
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* $Revision: 1.50 $
* $Date: 2007/04/16 15:44:37 $
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* $Id: BaseXPath.java,v 1.50 2007/04/16 15:44:37 elharo Exp$
* /

Found in path(s):
* /opt/cola/permits/1000765675_160871209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/BaseXPath.java

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 * $Revision: 1.11$
 * $Date: 2006/06/03 20:26:02$
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* $Id: UnsupportedAxisException.java,v 1.11 2006/06/03 20:26:02 elharo Exp $
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
jar/org/jaxen/UnsupportedAxisException.java
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* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/pattern/PatternHandler.java,v 1.8 2006/02/05
21:47:42 elharo Exp $
* $Revision: 1.8 $
* $Date: 2006/02/05 21:47:42 $
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/pattern/PatternHandler.java
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 * $Revision: 1.12 $
 * $Date: 2006/02/05 21:47:42 $
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* $Id: TokenTypes.java,v 1.12 2006/02/05 21:47:42 elharo Exp $
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/saxpath/base/TokenTypes.java
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* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/function/LastFunction.java,v 1.10 2006/02/05
  21:47:41 elharo Exp $
* $Revision: 1.10 $
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  jar/org/jaxen/function/LastFunction.java
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* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/util/PrecedingAxisIterator.java,v 1.11
* 2006/11/13 22:10:09 elharo Exp $
* $Revision: 1.11 $
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jar/org/jaxen/util/PrecedingAxisIterator.java
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16:39:19 elharo Exp $
* $Revision: 1.4 $
* $Date: 2006/11/09 16:39:19 $
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  jar/org/jaxen/util/SingletonList.java
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  13:19:30 elharo Exp $
* $Revision: 1.12 $
* $Date: 2006/06/01 13:19:30 $
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/QualifiedName.java
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  18:49:26 elharo Exp $
* $Revision: 1.17 $
* $Date: 2006/11/30 18:49:26 $
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Found in path(s):
  * /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/expr/DefaultOrExpr.java
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* $Date: 2006/02/05 21:47:40 $
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* $Id: DefaultLocationPath.java,v 1.29 2006/02/05 21:47:40 elharo Exp $
* /

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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
* jar/org/jaxen/expr/DefaultLocationPath.java
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* 2006/02/05 21:47:42 elharo Exp $
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 * 2006/02/05 21:47:41 elharo Exp $
 * $Revision: 1.16 $
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
jar/org/jaxen/function/SubstringFunction.java
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2006/09/15 20:41:38 elharo Exp $  
* $Revision: 1.9 $  
* $Date: 2006/09/15 20:41:38 $  
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/saxpath/helpers/XPathReaderFactory.java
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* $Revision: 1.7 $
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* $Id: EndsWithFunction.java,v 1.7 2006/02/05 21:47:42 elharo Exp $
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/function/ext/EndsWithFunction.java
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
jar/org/jaxen/expr/DefaultPredicate.java

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  jar/org/jaxen/util/AncestorAxisIterator.java
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16:21:04 elharo Exp $
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$/Id: DefaultAndExpr.java,v 1.16 2006/11/30 18:49:27 elharo Exp$ /*

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* $Id: XPathExpr.java,v 1.9 2007/05/02 15:04:46 elharo Exp $

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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/function/FloorFunction.java

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  2006/02/05 21:47:40 elharo Exp $
* $Revision: 1.9 $
* $Date: 2006/02/05 21:47:40 $
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* $Id: DefaultMultiplicativeExpr.java,v 1.9 2006/02/05 21:47:40 elharo Exp $
*/

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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
jar/org/jaxen/expr/DefaultMultiplicativeExpr.java
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22:38:17 elharo Exp $
* $Revision: 1.23 $
* $Date: 2006/11/13 22:38:17 $
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* /opt/cola/permits/1000765675_160871209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-
  jar/org/jaxen/expr/PredicateSet.java
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  11:14:05 elharo Exp $  
* $Revision: 1.25 $  
* $Date: 2006/07/03 11:14:05 $  
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* $Id: NamespaceNode.java,v 1.25 2006/07/03 11:14:05 elharo Exp $ */

Found in path(s):
*/opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/dom/NamespaceNode.java
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* $Revision: 1.7 $
* $Date: 2006/11/08 19:06:30 $
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* $Id: UnaryExpr.java,v 1.7 2006/11/08 19:06:30 elharo Exp $
*/

Found in path(s):
* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/expr/UnaryExpr.java
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* $Date: 2006/11/30 18:49:27 $
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* /opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/expr/DefaultGreaterThanExpr.java
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/*
$Id: IterableAxis.java,v 1.9 2006/02/05 21:47:42 elharo Exp $

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  */opt/cola/permits/1000765675_1608711209.69/0/jaxen-1-1-1-patched-shani-1-4-17-sources-jar/org/jaxen/expr/Predicated.java
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  jar/org/jaxen/expr/DefaultLessThanExpr.java
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/*
* $Header: /home/projects/jaxen/scm/jaxen/src/java/main/org/jaxen/expr/LocationPath.java,v 1.9 2006/11/08
17:02:21 elharo Exp $
* $Revision: 1.9 $
* $Date: 2006/11/08 17:02:21 $
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target.jar/InvalidResultSetAccessException.java
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target.jar/EqualsAndHashCodeException.java
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/*
target.jar/IllegalAccessException.java
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* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1.jar/org/springframework/dao/DeadlockLoserDataAccessException.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1.jar/org/springframework/transaction/interceptor/MatchAlwaysTransactionAttributeSource.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1.jar/org/springframework/transaction/HeuristicCompletionException.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1.jar/org/springframework/transaction/CleanUpFailureDataAccessException.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1.jar/org/springframework/transaction/TransactionUsageException.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1.jar/org/springframework/transaction/TransactionAttributeEditor.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1.jar/org/springframework/transaction/NotificationEventAdapter.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1.jar/org/springframework/transaction/InvalidIsolationLevelException.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1.jar/org/springframework/transaction/InvalidTimeoutException.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1.jar/org/springframework/transaction/TransactionUsageException.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1.jar/org/springframework/transaction/TransactionAttributeSource.java
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* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1.jar/org/springframework/dao/support/DataAccessUtils.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1.jar/org/springframework/transaction/annotation/Propagation.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1.jar/org/springframework/transaction/annotation/Isolation.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1.jar/org/springframework/transaction/config/JtaTransactionManagerBeanDefinitionParser.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1.jar/org/springframework/jca/support/ResourceAdapterFactoryBean.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1.jar/org/springframework/jca/support/LocalConnectionFactoryBean.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1.jar/org/springframework/transaction/support/CallbackPreferringPlatformTransactionManager.java
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  jar/org/springframework/transaction/support/TransactionSynchronizationManager.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
  jar/org/springframework/transaction/jta/OC4JJtaTransactionManager.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
  jar/org/springframework/transaction/interceptor/TransactionAspectUtils.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
  jar/org/springframework/transaction/jta/WebLogicJtaTransactionManager.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
  jar/org/springframework/transaction/jta/WebSphereUowTransactionManager.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
  jar/org/springframework/jca/work/glassfish/GlassFishWorkManagerTaskExecutor.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
  jar/org/springframework/transaction/jta/UserTransactionAdapter.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
  jar/org/springframework/transaction/annotation/Transactional.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
  jar/org/springframework/transaction/interceptor/TransactionAspectSupport.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
  jar/org/springframework/jca/work/jboss/JBossWorkManagerTaskExecutor.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
  jar/org/springframework/transaction/interceptor/DefaultTransactionAttribute.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
  jar/org/springframework/transaction/support/AbstractPlatformTransactionManager.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
  jar/org/springframework/transaction/interceptor/TransactionInterceptor.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
  jar/org/springframework/transaction/TransactionDefinition.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
  jar/org/springframework/transaction/jta/ManagedTransactionAdapter.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
  jar/org/springframework/jca/work/jboss/JBossWorkManagerUtils.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
  jar/org/springframework/transaction/interceptor/AbstractFallbackTransactionAttributeSource.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
  jar/org/springframework/dao/support/PersistenceExceptionTranslationInterceptor.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
  jar/org/springframework/dao/annotation/PersistenceExceptionTranslationPostProcessor.java
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* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-jar/org/springframework/transaction/support/ResourceHolderSupport.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-jar/org/springframework/transaction/support/DefaultTransactionDefinition.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-jar/org/springframework/transaction/PlatformTransactionManager.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-jar/org/springframework/transaction/support/TransactionDefinition.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-jar/org/springframework/transaction/support/TransactionManagerSupport.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-jar/org/springframework/transaction/support/TransactionSupport.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-jar/org/springframework/transaction/support/TransactionInterceptorSupport.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-jar/org/springframework/transaction/support/TransactionInterceptorSupportImpl.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-jar/org/springframework/transaction/support/TransactionTransactionManagerSupport.java
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* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-jar/org/springframework/transaction/support/TransactionTransactionManagerSupportImplImplImpl.java
"
jar/org/springframework/jca/cci/core/RecordExtractor.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
jar/org/springframework/jca/cci/core/support/CciDaoSupport.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
jar/org/springframework/dao/TransientDataAccessResourceException.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
jar/org/springframework/transaction/interceptor/BeanFactoryTransactionAttributeSourceAdvisor.java
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* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
jar/org/springframework/transaction/interceptor/TransactionAttributeSourcePointcut.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
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jar/org/springframework/transaction/support/ResourceHolder.java
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jar/org/springframework/jca/work/DelegatingWork.java

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* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
jar/org/springframework/jca/cci/CciOperationNotSupportedException.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
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* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
jar/org/springframework/jca/cci/CciLocalTransactionManager.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
jar/org/springframework/jca/cci/connection/DelegatingConnectionFactory.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
jar/org/springframework/jca/connection/BootstrapContextAwareProcessor.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
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* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
jar/org/springframework/jca/context/BootstrapContextAware.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
jar/org/springframework/jca/support/SimpleBootstrapContext.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1-
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jar/org/springframework/jca/support/BootstrapContextAwareProcessor.java
jar/org/springframework/jca/cci/CannotCreateRecordException.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1.jar/org/springframework/jca/cci/RecordTypeNotSupportedException.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1.jar/org/springframework/jca/cci/connection/NotSupportedRecordFactory.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1.jar/org/springframework/transaction/SavepointManager.java
* /opt/cola/permits/1136489542_1613774436.49/0/spring-tx-3-0-3-release-sources-1.jar/org/springframework/jca/cci/object/SimpleRecordOperation.java

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Glenn Randers-Pehrson
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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl
These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay
The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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Historically, haproxy has been covered by GPL version 2. However, an issue appeared in GPL which will prevent external non-GPL code from being built
using the headers provided with haproxy. My long-term goal is to build a core system able to load external modules to support specific application protocols.

Since some protocols are found in rare environments (finance, industry, ...), some of them might be accessible only after signing an NDA. Enforcing GPL on such modules would only prevent them from ever being implemented, while not providing anything useful to ordinary users.

For this reason, I *want* to be able to support binary only external modules when needed, with a GPL core and GPL modules for standard protocols, so that people fixing bugs don't keep them secretly to try to stay over competition.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these
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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative
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Jar w3c_domts contains the test cases from DOMTS 2001, level2.core. Some test cases have been modified, as has been the test harness. For more information on the Dom Conformance Suite, visit http://www.w3.org/DOM/Test/

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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

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

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(This file is under construction.)-*- text -*.-

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++++++++++++++++

Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for
gdb-specific debug information and the 68k series machines, most of
the preprocessing pass, and extensive changes in messages.c,
input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various
enhancements and many bug fixes, including merging support for several
processors, breaking gas up to handle multiple object file format
backends (including heavy rewrite, testing, an integration of the coff and b.out backends), adding configuration including heavy testing and verification of cross assemblers and file splits and renaming, converted gas to strictly ansi C including full prototypes, added support for m680[34]0 & cpu32, considerable work on i960 including a coff port (including considerable amounts of reverse engineering), a sparc opcode file rewrite, decstation, rs6000, and hp300hpux host ports, updated "know" assertions and made them work, much other reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan. Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelllCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of Buffalo University and Torbjorn Granlund of the Swedish Institute of Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS back end (tc-mips.c, tc-mips.h), and contributed Rose format support that hasn't been merged in yet. Ralph Campbell worked with the MIPS code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors (tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format (obj-ieee), was written by Steve Chamberlain of Cygnus Solutions. Steve also modified the COFF back end (obj-coffbfd) to use BFD for some low-level operations, for use with the Hitachi, 29k and Zilog targets.

John Gilmore built the AMD 29000 support, added .include support, and simplified the configuration of which versions accept which pseudo-ops. He updated the 68k machine description so that Motorola's opcodes always produced fixed-size instructions (e.g. jsr), while synthetic instructions remained shrinkable (jbsr). John fixed many bugs, including true tested cross-compiler support, and one bug in relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT syntaxes for the 68k, completed support for some COFF targets (68k, i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support,
and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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1.1290 jackson-datatype-joda 2.7.9

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message
The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl
MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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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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Julian Seward, jseward@bzip.org
bzip2/libbzip2 version 1.0.6 of 6 September 2010

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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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

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

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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That's all there is to it!
DRuntime: Runtime Library for the D Programming Language

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GCC RUNTIME LIBRARY EXCEPTION

Version 3.1, 31 March 2009

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From network_io/unix/inet_ntop.c, network_io/unix/inet_pton.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:

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*/

package java.security;

import java.io.Serializable;
/**
 * Legacy security code; do not use.
 */

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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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 <b>bold</b> font" has range (4, 8) replaced with "strong", then it becomes "the
<b>strong</b> 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:
<ul>
<li>Set the metadata of the new text to the metadata of the first
character replaced</li>
<li>If no characters are replaced, use the metadata of the
previous character</li>
<li>If there is no previous character (i.e. start == 0), use the
following character</li>
<li>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
@author stable ICU 2.0

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ReplaceableString is an adapter class that implements the Replaceable API around an ordinary StringBuffer.

Note: This class does not support attributes and is not intended for general use. Most clients will need to implement Replaceable in their text representation class.

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@see Replaceable
@author Alan Liu
@author stable ICU 2.0

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1.1319 aspect-j 1.5.3

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1.1330 procps 3.3.10 23.el7

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1.1331 net-snmp 5.7.2

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1.1333 text 3.5.0.v20100601-1300

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# Jackson JSON processor

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It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has
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It is currently developed by a community of developers, as well as supported
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import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.internal.descriptors.PersistenceObject;
import org.eclipse.persistence.internal.helper.*;
import org.eclipse.persistence.sessions.*;
/**
* <p><b>Purpose</b>: This is the default copy policy when weaving is used.
*
* It creates a copy by creating a shallow clone of the object using the weaved _persistence_shallow_clone() method.
*/
public class PersistenceEntityCopyPolicy extends AbstractCopyPolicy {
public PersistenceEntityCopyPolicy() {
super();
}
public Object buildWorkingCopyClone(Object object, Session session) throws DescriptorException {
return ((PersistenceObject)object)._persistence_shallow_clone();
}
public Object buildClone(Object object, Session session) throws DescriptorException {
return ((PersistenceObject)object)._persistence_shallow_clone();
}
public boolean buildsNewInstance() {
return false;
}
public String toString() {
return Helper.getShortClassName(this) + "()";
}
}
<html>
<head>
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</head>
<body>
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*******************************************************************************

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package org.eclipse.persistence.descriptors.copying;

import java.io.*;
import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.descriptors.ClassDescriptor;
import org.eclipse.persistence.queries.ObjectBuildingQuery;
import org.eclipse.persistence.sessions.*;

/**
 * <p><b>Purpose</b>: Allows customization of how an object is cloned.
 * An implementer of CopyPolicy can be set on a descriptor to provide
 * special cloning routine for how an object is cloned in a unit of work.
 * 
 * By default the InstantiationCopyPolicy is used which creates a new instance of
 * the class to be copied into.
 * 
 * The CloneCopyPolicy can also be used that uses a clone method in the object
 * to clone the object. When a clone method is used it avoid the requirement of having to
 * copy over each of the direct attributes.
 * 
 * @see org.eclipse.persistence.descriptors.copying.CloneCopyPolicy
 * @see org.eclipse.persistence.descriptors.copying.InstantiationCopyPolicy
 */
public interface CopyPolicy extends Cloneable, Serializable {

    /**
     * Return a shallow clone of the object for usage with object copying, or unit of work backup cloning.
     */
    Object buildClone(Object object, Session session) throws DescriptorException;

    /**
     * Return a shallow clone of the object for usage with the unit of work working copy.
     */
    Object buildWorkingCopyClone(Object object, Session session) throws DescriptorException;

    /**
     * Return an instance with the primary key set from the row, used for building a working copy during a unit of
     * work transactional read.
     */
}
Object buildWorkingCopyCloneFromRow(Record row, ObjectBuildingQuery query, Object primaryKey, UnitOfWork uow) throws DescriptorException;

/**
 * Clone the CopyPolicy.
 */
Object clone();

/**
 * Allow for any initialization or validation required.
 */
void initialize(Session session) throws DescriptorException;

/**
 * Set the descriptor.
 */
void setDescriptor(ClassDescriptor descriptor);

/**
 * Return if this copy policy creates a new instance, vs a clone.
 */
boolean buildsNewInstance();
}

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******************************************************************************/
package org.eclipse.persistence.descriptors.copying;

import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.internal.helper.*;
import org.eclipse.persistence.sessions.*;

/**
 * <p><b>Purpose</b>: This is the default copy policy.
 * It creates a copy by creating a new instance of the object and then using the
 * mappings specified for the object to populate the object.
 */
public class InstantiationCopyPolicy extends AbstractCopyPolicy {
    public InstantiationCopyPolicy() {
        super();
    }

    public Object buildClone(Object domainObject, Session session) throws DescriptorException {
        return getDescriptor().getObjectBuilder().buildNewInstance();
    }

    public boolean buildsNewInstance() {
        return true;
    }

    public String toString() {
        return Helper.getShortClassName(this) + "()";
    }
}

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package org.eclipse.persistence.descriptors.copying;

import org.eclipse.persistence.descriptors.ClassDescriptor;
import org.eclipse.persistence.exceptions.);
import org.eclipse.persistence.sessions.);
import org.eclipse.persistence.queries.ObjectBuildingQuery;

/**
 * <p><b>Purpose</b>: Allows customization of how an object is cloned.
 * This class defines common behavior that allows a subclass to be used
 * and set on a descriptor to provide a special cloning routine for how an object
 * is cloned in a unit of work.
 */
public protected abstract class AbstractCopyPolicy implements CopyPolicy {
    protected ClassDescriptor descriptor;

    public AbstractCopyPolicy() {
        super();
    }
}
public abstract Object buildClone(Object domainObject, Session session) throws DescriptorException;

/**
 * By default use the buildClone.
 */
public Object buildWorkingCopyClone(Object domainObject, Session session) throws DescriptorException {
    return buildClone(domainObject, session);
}

/**
 * By default create a new instance.
 */
public Object buildWorkingCopyCloneFromRow(Record row, ObjectBuildingQuery query, Object primaryKey, UnitOfWork uow) throws DescriptorException {
    return this.descriptor.getObjectBuilder().buildNewInstance();
}

/**
 * INTERNAL:
 * Clones the CopyPolicy
 */
public Object clone() {
    try {
        // clones itself
        return super.clone();
    } catch (Exception exception) {
    }
    return null;
}

/**
 * Return the descriptor.
 */
protected ClassDescriptor getDescriptor() {
    return descriptor;
}

/**
 * Do nothing by default.
 */
public void initialize(Session session) throws DescriptorException {
    // Do nothing by default.
}

/**
 * Set the descriptor.
 */
public class CloneCopyPolicy extends AbstractCopyPolicy {

    public void setDescriptor(ClassDescriptor descriptor) {
        this.descriptor = descriptor;
    }
    
    } /* *******************************************************************************
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    package org.eclipse.persistence.descriptors.copying;

    import java.lang.reflect.*;
    import java.security.AccessController;
    import java.security.PrivilegedActionException;

    import org.eclipse.persistence.exceptions.*;
    import org.eclipse.persistence.internal.helper.*;
    import org.eclipse.persistence.queries.ObjectBuildingQuery;
    import org.eclipse.persistence.sessions.*;
    import org.eclipse.persistence.internal.sessions.AbstractRecord;
    import org.eclipse.persistence.internal.descriptors.ObjectBuilder;
    import org.eclipse.persistence.internal.security.PrivilegedAccessHelper;
    import org.eclipse.persistence.internal.security.PrivilegedMethodInvoker;

    /**
     * <p><b>Purpose</b>: Allows a clone of an object to be created with a method that returns
     * the cloned object.
     *
     * It is possible to define methods for two types of clones
     *
     * 1. methodName can be set to define the method EclipseLink uses to clone objects for it's
     * own internal use. The objects created by this method will not be visible to the user, and
     * instead used as a basis for comparison when a DeferredChangeDetectionPolicy used. This method will
     * also be in place of the workingCopyMethod if it is not provided
     *
     * 2. workingCopyMethod this method is used to create the clone that is returned to the user when an
     * Object is registered in a UnitOfWork
     */
    public class CloneCopyPolicy extends AbstractCopyPolicy {


/** Allow for clone method to be specified. */
protected String methodName;
protected String workingCopyMethodName;
protected transient Method method;
protected transient Method workingCopyMethod;

public CloneCopyPolicy() {
    super();
}

/**
 * Clone through calling the clone method.
 */
public Object buildClone(Object domainObject, Session session) throws DescriptorException {
    // Must allow for null clone method for 9.0.4 deployment XML.
    if (this.getMethodName() == null) {
        return getDescriptor().getObjectBuilder().buildNewInstance();
    }
    try {
        if (PrivilegedAccessHelper.shouldUsePrivilegedAccess()){
            try {
                return AccessController.doPrivileged(new PrivilegedMethodInvoker(this.getMethod(), domainObject,
                        new Object[0]));
            } catch (PrivilegedActionException exception) {
                Exception throwableException = exception.getException();
                if (throwableException instanceof IllegalAccessException) {
                    throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
                            this.getDescriptor(), throwableException);
                } else {
                    throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
                            this.getDescriptor(), throwableException);
                }
            } catch (InvocationTargetException exception) {
                throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
                        this.getDescriptor(), exception);
            }
        } else {
            return PrivilegedAccessHelper.invokeMethod(this.getMethod(), domainObject, new Object[0]);
        }
    } catch (IllegalAccessException exception) {
        throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
                this.getDescriptor(), exception);
    } catch (InvocationTargetException exception) {
        throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
                this.getDescriptor(), exception);
    }
    } catch (IllegalAccessException exception) {
    throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
            this.getDescriptor(), exception);
    } catch (InvocationTargetException exception) {
        throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
                this.getDescriptor(), exception);
    }
    } catch (IllegalAccessException exception) {
        throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
                this.getDescriptor(), exception);
    } catch (InvocationTargetException exception) {
        throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
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                this.getDescriptor(), exception);
    } catch (InvocationTargetException exception) {
        throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
                this.getDescriptor(), exception);
    }
    } catch (IllegalAccessException exception) {
        throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
                this.getDescriptor(), exception);
    } catch (InvocationTargetException exception) {
        throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
                this.getDescriptor(), exception);
    }
    } catch (IllegalAccessException exception) {
        throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
                this.getDescriptor(), exception);
    } catch (InvocationTargetException exception) {
        throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
                this.getDescriptor(), exception);
    }
    /**
     * Clone through the workingCopyClone method, or if not specified the clone method.
public Object buildWorkingCopyClone(Object domainObject, Session session) throws DescriptorException {
    if (this.getWorkingCopyMethodName() == null) {
        //not implemented to perform special operations.
        return this.buildClone(domainObject, session);
    }

    try {
        if (PrivilegedAccessHelper.shouldUsePrivilegedAccess()){
            try {
                return AccessController.doPrivileged(new PrivilegedMethodInvoker(this.getWorkingCopyMethod(),
                domainObject, new Object[0]));
            } catch (PrivilegedActionException exception) {
                Exception throwableException = exception.getException();
                if (throwableException instanceof IllegalAccessException) {
                    throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
                    this.getDescriptor(), throwableException);
                } else {
                    throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
                    this.getDescriptor(), throwableException);
                }
            }
        } else {
            return PrivilegedAccessHelper.invokeMethod(this.getWorkingCopyMethod(), domainObject, new 
            Object[0]);
        }
    } catch (IllegalAccessException exception) {
        throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
        this.getDescriptor(), exception);
    } catch (InvocationTargetException exception) {
        throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
        this.getDescriptor(), exception);
    }
}

/**
 * Create a new instance, unless a workingCopyClone method is specified, then build a new instance and clone it.
 */
@Override
public Object buildWorkingCopyCloneFromRow(Record row, ObjectBuildingQuery query, Object primaryKey,
UnitOfWork uow) throws DescriptorException {
    // For now must preserve CMP code which builds heavy clones with a context.
    // Also preserve for clients who use the copy policy.
    ObjectBuilder builder = getDescriptor().getObjectBuilder();
    if (getWorkingCopyMethodName() != null) {
        Object original = builder.buildNewInstance();
        builder.buildAttributesIntoShallowObject(original, (AbstractRecord)row, query);
    }
}
/**
 * Return the clone method.
 */
protected Method getMethod() {
    return method;
}

/**
 * Return the clone method name.
 */
public String getMethodName() {
    return methodName;
}

/**
 * Return the workingCopyClone method.
 * This is used to clone within a unit of work.
 */
protected Method getWorkingCopyMethod() {
    return workingCopyMethod;
}

/**
 * Return the workingCopyClone method name.
 * This is used to clone within a unit of work.
 */
public String getWorkingCopyMethodName() {
    return workingCopyMethodName;
}

/**
 * Validate and build the methods.
 */
public void initialize(Session session) throws DescriptorException {
    try {
        // Must allow for null clone method for 9.0.4 deployment XML.
        if (this.getMethodName() != null) {
            this.setMethod(Helper.getDeclaredMethod(this.getDescriptor().getJavaClass(), this.getMethodName(),
                new Class[0]));
        }
    } catch (NoSuchMethodException exception) {
        session.getIntegrityChecker().handleError(DescriptorException.noSuchMethodWhileInitializingCopyPolicy(this.get
methodName(), this.getDescriptor(), exception));
        } catch (securityException exception) {
            session.getIntegrityChecker().handleError(DescriptorException.securityWhileInitializingCopyPolicy(this.getMethodName(), this.getDescriptor(), exception));
        } if (this.getWorkingCopyMethodName() != null) {
            try {
                this.setWorkingCopyMethod(Helper.getDeclaredMethod(this.getDescriptor().getJavaClass(),
                        this.getWorkingCopyMethodName(), new Class[0]));
            } catch (NoSuchMethodException exception) {
                session.getIntegrityChecker().handleError(DescriptorException.noSuchMethodWhileInitializingCopyPolicy(this.getMethodName(), this.getDescriptor(), exception));
            } catch (securityException exception) {
                session.getIntegrityChecker().handleError(DescriptorException.securityWhileInitializingCopyPolicy(this.getMethodName(), this.getDescriptor(), exception));
            }
        }
    }

    /**
     * Set the clone method.
     */
    protected void setMethod(Method method) {
        this.method = method;
    }

    /**
     * Set the clone method name.
     */
    public void setMethodName(String methodName) {
        this.methodName = methodName;
    }

    /**
     * Set the workingCopyClone method.
     * This is used to clone within a unit of work.
     */
    protected void setWorkingCopyMethod(Method method) {
        this.workingCopyMethod = method;
    }

    /**
     * Set the workingCopyClone method name.
     * This is used to clone within a unit of work.
     */
    public void setWorkingCopyMethodName(String methodName) {
        this.workingCopyMethodName = methodName;
    }
/**
 * Return false as a shallow clone is returned, not a new instance.
 */
public boolean buildsNewInstance() {
    return getMethodName() == null;
}

public String toString() {
    return Helper.getShortClassName(this) + "(" + this.getMethodName() + ")";
}

---

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1.1337 whatwg-fetch 3.0.0

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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Version: GnuPG v1.0.7 (GNU/Linux)

iD8DBQFE85cgao9Frl/CtIRAmuJAKCFgi4W0UOH8IUn+SV6PBHRF3BnLgCcDqqC
Zotktk0bTHfwaa5TtxQbScw=
=N/w/
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Date: 8 January 2007
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Version: GnuPG v1.4.3 (GNU/Linux)

iD8DBQFQoniQVhFus9gGQRAmJmAJW5yi1oonhVQHiCsparvyHMQuwqwCgiZIy
LBDVaad1bJ1v1EHY901kPcg=
=6rqm
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E-Mail: thomas.becker00@googlemail.com
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Date: 2012-07-17
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-----BEGIN PGP SIGNATURE-----
Version: GnuPG v1.4.10 (GNU/Linux)
iQEcBAEBAgAGQJQBb4tAAoJEMHjBmtgF9J1HDeH/2nqDPuPzWfrBiFntEdLF6jL
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Version: GnuPG v1.4.1 (Darwin)
iD8DBQFD37/4dL6IZr4c+6kRAtsIAJ41td3lj4OM6sIMljfTODYaT1bwCdgGWv
8sfMxEDZquIqVbfZU2c76U=
=8WW7
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Version: GnuPG v1.4.4 (MingW32)
iD8DBQFEti1ZxHR/ESK2wH8RAPbOAJ9c1eooNr2oN59WZVitJEExGjJvKgCfaKji
6etDJ6Auj0jTuSI59hUsWMQ=
=HmqH
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<table>
<thead>
<tr>
<th>Name</th>
<th>Date added</th>
</tr>
</thead>
<tbody>
<tr>
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<td>12 September 2006</td>
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/* Legal characters in GLSL are:
 * * Identifier characters:
 * * Letters a-z
 * * Letters A-Z
 * * Underscore
 * * Numbers 0-9
 * *
 * * Punctuation:
 * * Period, plus, dash, slash, asterisk, percent, angled brackets,
 * * square brackets, parentheses, braces, caret, vertical bar,
 * * ampersand, tilde, equals, exclamation point, colon, semicolon,
 * * comma, and question mark
 * *
 * * Special:
 * * Number sign (as used in preprocessor)
 * *
 * * Backslash just before newline as line continuation
 * *
 * * White space:
 * *
 * * Space, horizontal tab, vertical tab, form feed, carriage-return,
 * * and line-feed.
 * *
 * * [GLSL Language Specification 4.30.6, section 3.1]
 * *
 * * In this file, we test each of these in turn as follows:
 * *
 * * Identifier characters: All pass through unchanged
 * * Punctuation: All pass through unchanged
 * * Special: Empty directive replaced with blank line
 * * Line continuation merges two lines, then a blank line
 * * Whitespace: 4 horizontal space characters each replaced with space
 * * 2 newline characters each replaced with a newline
 * */
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Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:50 PM
To: Tom Callaway <tcallawa@redhat.com>
CC: "jorge@iryoku.com" <jorge@iryoku.com>

Yes to both questions.

Thanks,
Jorge
From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:49 PM
To: Jorge Jimenez <iryoku@gmail.com>
CC: jorge@iryoku.com
Subject: Re: Question about Mesa MLAA license

On 01/08/2013 12:39 PM, Jorge Jimenez wrote:
> Hi Tom,
>
> What we meant with that is that we made an exception for clause 2.
> Instead of clause 2, in the case of the Mesa project, you have to name
> the technique Jimenez's MLAA in the config options of Mesa. We did that
> just to allow them to solve license issues. This exception should be for
> the Mesa project, and any project using Mesa, like Fedora.
> 
> We want to widespread usage of our MLAA, so we want to avoid any kind of
> license complications. Hope current one is good for Fedora, if not
> please tell, and we'll see what we can do!

Okay, a few more questions:

* If Fedora decides to simply reproduce the quoted statement:
"Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."

Specifically, if this is done as part of documentation included with
Mesa, is that sufficient to meet clause 2 even if the Mesa config option
is not set as described in your exception?

* Currently, the Mesa config option for MLAA says: "Morphological
anti-aliasing based on Jimenez\' MLAA. 0 to disable, 8 for default
quality". Is this in compliance with your exception?

Thanks again,

~tom

==
Fedora Project

Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:39 PM
To: "jorge@iryoku.com" <jorge@iryoku.com>, Tom Callaway <tcallawa@redhat.com>

Hi Tom,
What we meant with that is that we made an exception for clause 2. Instead of clause 2, in the case of the Mesa project, you have to name the technique Jimenez's MLAA in the config options of Mesa. We did that just to allow them to solve license issues. This exception should be for the Mesa project, and any project using Mesa, like Fedora.

We want to widespread usage of our MLAA, so we want to avoid any kind of license complications. Hope current one is good for Fedora, if not please tell, and we'll see what we can do!

Cheers,

Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:30 PM
To: jorge@iryoku.com
Subject: Question about Mesa MLAA license

Jorge,

Thanks for all of your fantastic graphics work! I have been auditing Fedora (a popular distribution of Linux) for license compliance and I came across your MLAA code in Mesa.

The license says:

* 2. Redistributions in binary form must reproduce the following statement:
*    "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia, Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."
* Only for use in the Mesa project, this point 2 is filled by naming the technique Jimenez's MLAA in the Mesa config options.

That wording is unclear. When you say "Only for use in the Mesa project...", it seems like you could either be saying:

- This code may only be used as part of Mesa.

OR

- In Mesa, you can comply with clause 2 by simply selecting "Jimenez's MLAA" in the Mesa config options.

*****

If the first item is true, then we may have to remove the MLAA code from
Fedora's copy of Mesa. However, looking at the license on your SMAA
code, I do not believe it to be the case. Please let me know either way!

Thanks in advance,

Tom Callaway
Fedora Legal

==
Fedora Project
<!DOCTYPE HTML PUBLIC "-//W3C//DTD HTML 4.01 Transitional//EN"
"http://www.w3.org/TR/html4/loose.dtd">
<html lang="en">
<head>
<meta http-equiv="content-type" content="text/html; charset=utf-8">
<title>License / Copyright Information</title>
<link rel="stylesheet" type="text/css" href="mesa.css">
</head>
<body>

<div class="header">
<h1>The Mesa 3D Graphics Library</h1>
</div>

<iframe src="contents.html"></iframe>

<div class="content">
<h1>Disclaimer</h1>

<p>
Mesa is a 3-D graphics library with an API which is very similar to
that of <a href="https://www.opengl.org/">OpenGL</a>.*
To the extent that Mesa utilizes the OpenGL command syntax or state
machine, it is being used with authorization from <a href="https://www.sgi.com/">Silicon Graphics,
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from SGI, and makes no claim that Mesa is in any way a compatible
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licensed implementation of OpenGL should contact a licensed
vendor.
</p>

<p>
Please do not refer to the library as <em>MesaGL</em> (for legal
reasons). It's just <em>Mesa</em> or <em>The Mesa 3-D graphics
library</em>. 
</p>

</body>
</html>
<p>* OpenGL is a trademark of <a href="https://www.sgi.com/">Silicon Graphics Incorporated</a>.</p>

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<pre>
Component       Location               License
-----------------------------
Main Mesa code    src/mesa/           MIT
Device drivers    src/mesa/drivers/*  MIT, generally
Gallium code      src/gallium/        MIT
Ext headers       include/GL/glext.h   Khronos
                  include/GL/glxext.h
GLX client code   src/glx/           SGI Free Software License B
C11 thread        include/c11/threads*.h Boost (permissive)
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* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-jar/org/springframework/security/access/hierarchicalroles/CycleInRoleHierarchyException.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-jar/org/springframework/security/access/hierarchicalroles/RoleHierarchy.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-jar/org/springframework/security/access/hierarchicalroles/RoleHierarchyImpl.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-jar/org/springframework/security/core/codec/Base64.java

/**
* Base64 encoder which is a reduced version of Robert Harder's public domain implementation.
* See <a href="http://iharder.net/base64">http://iharder.net/base64</a> for more information.
* 
* For internal use only.
* 
* @author Luke Taylor
* @since 3.0
*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-jar/org/springframework/security/core/codec/Base64.java
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 */

/**
 * Reviews the <code>Object</code> returned from a secure object invocation,
 * being able to modify the <code>Object</code> or throw an [@link
 * AccessDeniedException].
 * <p>
 * Typically used to ensure the principal is permitted to access the domain
 * object instance returned by a service layer bean. Can also be used to
 * mutate the domain object instance so the principal is only able to access
 * authorised bean properties or <code>Collection</code> elements.
 * <p>
 * Special consideration should be given to using an
 * <code>AfterInvocationManager</code> on bean methods that modify a database.
 * Typically an <code>AfterInvocationManager</code> is used with read-only
 * methods, such as <code>public DomainObject getById(id)</code>. If used with
 * methods that modify a database, a transaction manager should be used to
 * ensure any <code>AccessDeniedException</code> will cause a rollback of the
 * changes made by the transaction.
 * <p>
 * @author Ben Alex
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-
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* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3.0.3-release-sources-1-jar/org/springframework/security/remoting/dns/DnsResolver.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3.0.3-release-sources-1-jar/org/springframework/security/remoting/dns/JndiDnsResolver.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3.0.3-release-sources-1-jar/org/springframework/security/remoting/dns/DnsLookupException.java
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*/
/**
* Implementation of the MD4 message digest derived from the RSA Data Security, Inc, MD4 Message-Digest Algorithm.
* @author Alan Stewart
*/

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* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3.0.3-release-sources-1-jar/org/springframework/security/authentication/encoding/Md4.java
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/**
 * @param authentication represents the user in question. Should not be null.
 * @param targetDomainObject the domain object for which permissions should be checked. May be null
 * in which case implementations should return false, as the null condition can be checked explicitly
 * in the expression.
 * @param permission a representation of the permission object as supplied by the expression system. Not null.
 * @return true if the permission is granted, false otherwise
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-
  jar/org/springframework/security/access/PermissionEvaluator.java
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  jar/org/springframework/security/access/intercept/RunAsManager.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-
  jar/org/springframework/security/access/AbstractAuthenticationToken.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-
  jar/org/springframework/security/authentication/jaas/SecurityContextLoginModule.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-
  jar/org/springframework/security/access/ConfigAttributeEditor.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-
  jar/org/springframework/security/authentication/BadCredentialsException.java
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-
  jar/org/springframework/security/access/AuthenticationTrustResolverImpl.java
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*/

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-
jar/org/springframework/security/authentication/encoding/Md4PasswordEncoder.java

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

/**
 * A token issued by {@link TokenService}.
 *
 * <p>
 * It is important that the keys assigned to tokens are sufficiently randomised and secured that
 * they can serve as identifying a unique user session. Implementations of {@link TokenService}
 * are free to use encryption or encoding strategies of their choice. It is strongly recommended that
 * keys are of sufficient length to balance safety against persistence cost. In relation to persistence
 * cost, it is strongly recommended that returned keys are small enough for encoding in a cookie.
 * </p>
 *
 * @author Ben Alex
 * @since 2.0.1
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1068903811_1594468519.99/0/spring-security-core-3-0-3-release-sources-1-
jar/org/springframework/security/core/token/Token.java

1.1345 dmraid 1.0.0.rc16-28.el7

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

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

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b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these
For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative
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copy of the library already present on the user's computer system, 
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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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1.1360 xom 1.2.10

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---------------------------------------------------------------------------

pnm2png / png2pnm --- conversion from PBM/PGM/PPM-file to PNG-file

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jar/org/springframework/util/concurrent/ListenableFutureTask.java
* /opt/ws_local/PERMITS_SQL/1068948685_1594471724.19/0/spring-core-4-3-14-release-sources-1-
jar/org/springframework/util/InvalidMimeTypeException.java
* /opt/ws_local/PERMITS_SQL/1068948685_1594471724.19/0/spring-core-4-3-14-release-sources-1-
jar/org/springframework/core/convert/support/ByteBufferConverter.java
* /opt/ws_local/PERMITS_SQL/1068948685_1594471724.19/0/spring-core-4-3-14-release-sources-1-
jar/org/springframework/core/io/ClassPathResource.java
* /opt/ws_local/PERMITS_SQL/1068948685_1594471724.19/0/spring-core-4-3-14-release-sources-1-
jar/org/springframework/core/io/UrlResource.java
* /opt/ws_local/PERMITS_SQL/1068948685_1594471724.19/0/spring-core-4-3-14-release-sources-1-
jar/org/springframework/core/PrioritizedParameterNameDiscoverer.java
* /opt/ws_local/PERMITS_SQL/1068948685_1594471724.19/0/spring-core-4-3-14-release-sources-1-
jar/org/springframework/core/GenericTypeResolver.java
No license file was found, but licenses were detected in source scan.

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 */

Found in path(s):
  */opt/ws_local/PERMITS_SQL/1068948685_1594471724.19/0/spring-core-4-3-14-release-sources-1-jar/org/springframework/core/io/support/VfsPatternUtils.java
  */opt/ws_local/PERMITS_SQL/1068948685_1594471724.19/0/spring-core-4-3-14-release-sources-1-jar/org/springframework/core/convert/ConversionException.java

1.1375 libx11 1.7.0-r0
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Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
Braun, Rob
Bezina, Pavel
Brooks, Piete
Brown, Jerry
Burr, Michael E
Burton, Ross
Klyachkin, Andrey
Knoble, Jim
Knox, Tim
Komarnitsky, Alek O.
Kondrashov, Nikolai
Kopeek, Daniel
Kranenburg, Paul
Krause, David
Lakin, Eric
Larsen, Case
Levin, Dmitry V.
Libby, Kendall
Lobbes, Phillip E.
McIntyre, Jason
MacKenzie, David J.
McLaughlin, Tom
Makey, Jeff
Marchionna, Michael D.
Markham, Paul
Martinian, Emin
Meskes, Michael
Michael, David
Miller, Todd C.
Minier, Loc
Moffat, Darren
Moldung, Jan Thomas
Morris, Charles
Mueller, Andreas
Miller, Dworkin
Nieusma, Jeff
Nikitser, Peter A.
Nussel, Ludwig
Ouellet, Jean-Philippe
Paquet, Eric
Paradis, Chantal
Percival, Ted
Perera, Andres
Peron, Christian S.J.
Peschel, Aaron
Peslyak, Alexander
Peterson, Toby
Petten, Diego Elio
Pickett, Joel
Plotnick, Alex
de Raadt, Theo
Rasch, Gudleik
Reid, Steve
Richards, Matt
Rossum, Guido van
Rouillard, John P.
Rowe, William A., Jr.
Roy, Alain
Ruusame, Elan
Ryabinkin, Eygene
Sato, Yuichi
Sánchez, Wilfredo
Sanders, Miguel
Sasaki, Kan
Saucier, Jean-Francois
Schoenfeld, Patrick
Schuring, Arno
Schwarze, Ingo
Scott, Dougal
Seiger, Nick
Simon, Thor Lancelot
Slemko, Marc
Smith, Andy
Sobrado, Igor
Soulen, Steven
Spangler, Aaron
Spradling, Cloyce D.
Stier, Matthew
Stoeckmann, Tobias
Street, Russell
Stritzky, Tilo
Stroucken, Michael
Tarrall, Robert
Thomas, Matthew
Todd, Giles
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Tucker, Darren
Uh, Robert
Uzel, Petr
Valery, Reznic
Van Dinter, Theo
Venckus, Martynas
de Vries, Maarten
Wagner, Klaus
Walsh, Dan
Warburton, John
Webb, Kirk
Wetzel, Timm
Wieringen, Marco van
Wilk, Jakub
Winiger, Gary
The following people have worked to translate sudo into other languages:

- Blittermann, Mario
- Bogusz, Jakub
- Buo-ren, Lin
- Casagrande, Milo
- Castro, Felipe
- Cho, Seong-ho
- Chornoivan, Yuri
- Diguez, Francisco
- Fontenelle, Rafael
- Garca-Fontes, Walter
- Gezer, Volkan
- Hamasaki, Takeshi
- Hamming, Peter
- Hansen, Joe
- Hantrais, Frédéric
- Hein, Jochen
- Hufthammer, Karl Ove
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- Keeci, Mehmet
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- Kramer, Jakob
- Krznar, Tomislav
- Marchal, Frédéric
- Margeviušius, Algimantas
- Maryanov, Pavel
- Nikoli, Miroslav
- Nylander, Daniel
- Psa, Petr
- Putanec, Boidar
- Qun, Trn Ngc
- Rasmussen, Sebastian
- Regueiro, Leandro
- Sarer, zgr
- Sendn, Abel
- Sikrom, ka
- Spingos, Dimitris
- Taniguchi, Yasuaki
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 */

/**
 * Determines if the {@link #getAuthentication()} has permission to access the target
 * given the permission
 * @param target the target domain object to check permission on
 * @param permission the permission to check on the domain object (i.e. "read",
 * "write", etc).
 * @return true if permission is granted to the {@link #getAuthentication()}, else
 * false
 */

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*/
/**
 * A token issued by {@link TokenService}.
 *
 * <p>
 * It is important that the keys assigned to tokens are sufficiently randomised and
 * secured that they can serve as identifying a unique user session. Implementations of
 * {@link TokenService} are free to use encryption or encoding strategies of their choice.
 * It is strongly recommended that keys are of sufficient length to balance safety against
 * persistence cost. In relation to persistence cost, it is strongly recommended that
 * returned keys are small enough for encoding in a cookie.
 * </p>
 *
 * @author Ben Alex
 * @since 2.0.1
 */

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*/
/**
 *
 * @param authentication represents the user in question. Should not be null.
 * @param targetDomainObject the domain object for which permissions should be
 * checked. May be null in which case implementations should return false, as the null
 * condition can be checked explicitly in the expression.
 * @param permission a representation of the permission object as supplied by the
 * expression system. Not null.
 * @return true if the permission is granted, false otherwise
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1034612257_1588889269.26/0/spring-security-core-4-2-13-release-sources-1-
jar/org/springframework/security/access/PermissionEvaluator.java
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jar/org/springframework/security/crypto/bcrypt/BCryptPasswordEncoder.java
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*/
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* Base64 encoder which is a reduced version of Robert Harder's public domain
* implementation (version 2.3.7). See <a
* href="http://iharder.sourceforge.net/current/java/base64/">http://iharder.sourceforge.net/current/java/base64/</a>
* for more information.
* <p>
* For internal use only.
* *
* @author Luke Taylor
* @since 3.0
*/

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  jar/org/springframework/security/crypto/codec/Base64.java
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  */opt/ws_local/PERMITS_SQL/1034612257_1588889269.26/0/spring-security-core-4-2-13-release-sources-1-
  jar/org/springframework/security/authentication/jaas/memory/InMemoryConfiguration.java
  */opt/ws_local/PERMITS_SQL/1034612257_1588889269.26/0/spring-security-core-4-2-13-release-sources-1-
  jar/org/springframework/security/authentication/jaas/DefaultJaasAuthenticationProvider.java
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  jar/org/springframework/security/access/prepost/PostInvocationAuthorizationAdvice.java
  */opt/ws_local/PERMITS_SQL/1034612257_1588889269.26/0/spring-security-core-4-2-13-release-sources-1-
  jar/org/springframework/security/core/token/KeyBasedPersistenceTokenService.java
  */opt/ws_local/PERMITS_SQL/1034612257_1588889269.26/0/spring-security-core-4-2-13-release-sources-1-
  jar/org/springframework/security/access/prepost/PreFilter.java
  */opt/ws_local/PERMITS_SQL/1034612257_1588889269.26/0/spring-security-core-4-2-13-release-sources-1-
  jar/org/springframework/security/access/intercept/package-info.java
  */opt/ws_local/PERMITS_SQL/1034612257_1588889269.26/0/spring-security-core-4-2-13-release-sources-1-
  jar/org/springframework/security/access/expression/SecurityExpressionHandler.java
  */opt/ws_local/PERMITS_SQL/1034612257_1588889269.26/0/spring-security-core-4-2-13-release-sources-1-
  jar/org/springframework/security/authentication/InternalAuthenticationServiceException.java
  */opt/ws_local/PERMITS_SQL/1034612257_1588889269.26/0/spring-security-core-4-2-13-release-sources-1-
  jar/org/springframework/security/access/expression/method/DefaultMethodSecurityExpressionHandler.java
  */opt/ws_local/PERMITS_SQL/1034612257_1588889269.26/0/spring-security-core-4-2-13-release-sources-1-
  jar/org/springframework/security/core/authority(mapping/NullAuthoritiesMapper.java
  */opt/ws_local/PERMITS_SQL/1034612257_1588889269.26/0/spring-security-core-4-2-13-release-sources-1-
  jar/org/springframework/security/core/authority(mapping/MapBasedAttributes2GrantedAuthoritiesMapper.java
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* /opt/ws_local/PERMITS_SQL/1034612257_158889269.26/0/spring-security-core-4-2-13-release-sources-1.jar/org/springframework/security/crypto/password/AbstractPasswordEncoder.java
* /opt/ws_local/PERMITS_SQL/1034612257_158889269.26/0/spring-security-core-4-2-13-release-sources-1.jar/org/springframework/security/core/userdetails/UserDetailsChecker.java
* /opt/ws_local/PERMITS_SQL/1034612257_158889269.26/0/spring-security-core-4-2-13-release-sources-1.jar/org/springframework/security/core/session/SessionDestroyedEvent.java
* /opt/ws_local/PERMITS_SQL/1034612257_158889269.26/0/spring-security-core-4-2-13-release-sources-1.jar/org/springframework/security/core/userdetails/cache/SpringCacheBasedUserCache.java
* /opt/ws_local/PERMITS_SQL/1034612257_158889269.26/0/spring-security-core-4-2-13-release-sources-1.jar/org/springframework/security/core/authority/package-info.java
* /opt/ws_local/PERMITS_SQL/1034612257_158889269.26/0/spring-security-core-4-2-13-release-sources-1.jar/org/springframework/security/provisioning/GroupManager.java
* /opt/ws_local/PERMITS_SQL/1034612257_158889269.26/0/spring-security-core-4-2-13-release-sources-1.jar/org/springframework/security/access/provisioning/GroupManager.java
* /opt/ws_local/PERMITS_SQL/1034612257_158889269.26/0/spring-security-core-4-2-13-release-sources-1.jar/org/springframework/security/access/intercept/aopalliance/package-info.java
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/opt/ws_local/PERMITS_SQL/1034612257_1588889269.26/0/spring-security-core-4-2-13-release-sources-1-jar/org/springframework/security/crypto/encrypt/Encryptors.java
/opt/ws_local/PERMITS_SQL/1034612257_1588889269.26/0/spring-security-core-4-2-13-release-sources-1-jar/org/springframework/security/crypto/encrypt/CipherUtils.java
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* /opt/wsl/PERMITS_SQL/1034612257_158889269.26/0/spring-security-core-4-2-13-release-sources-1.jar/org/springframework/security/crypto/encrypt/BytesEncryptor.java
* /opt/wsl/PERMITS_SQL/1034612257_158889269.26/0/spring-security-core-4-2-13-release-sources-1.jar/org/springframework/security/crypto/encrypt/BouncyCastleAesGcmBytesEncryptor.java
* /opt/wsl/PERMITS_SQL/1034612257_158889269.26/0/spring-security-core-4-2-13-release-sources-1.jar/org/springframework/security/crypto/encrypt/BouncyCastleAesCbcBytesEncryptor.java
* /opt/wsl/PERMITS_SQL/1034612257_158889269.26/0/spring-security-core-4-2-13-release-sources-1.jar/org/springframework/security/crypto/keygen/SharedKeyGenerator.java
* /opt/wsl/PERMITS_SQL/1034612257_158889269.26/0/spring-security-core-4-2-13-release-sources-1.jar/org/springframework/security/crypto/keygen/SecureRandomBytesKeyGenerator.java
* /opt/wsl/PERMITS_SQL/1034612257_158889269.26/0/spring-security-core-4-2-13-release-sources-1.jar/org/springframework/security/crypto/keygen/BytesKeyGenerator.java
* /opt/wsl/PERMITS_SQL/1034612257_158889269.26/0/spring-security-core-4-2-13-release-sources-1.jar/org/springframework/security/crypto/keygen/StringKeyGenerator.java
* /opt/wsl/PERMITS_SQL/1034612257_158889269.26/0/spring-security-core-4-2-13-release-sources-1.jar/org/springframework/security/crypto/keygen/KeyGenerators.java
* /opt/wsl/PERMITS_SQL/1034612257_158889269.26/0/spring-security-core-4-2-13-release-sources-1.jar/org/springframework/security/crypto/encrypt/HexEncodingTextEncryptor.java
* /opt/wsl/PERMITS_SQL/1034612257_158889269.26/0/spring-security-core-4-2-13-release-sources-1.jar/org/springframework/security/crypto/password/PasswordEncoder.java
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  jar/org/springframework/security/core/token/SecureRandomFactoryBean.java
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* /opt/ws_local/PERMITS_SQL/1034612257_1588889269.26/0/spring-security-core-4-2-13-release-sources-1-
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 * Reviews the <code>Object</code> returned from a secure object invocation, being able to
 * modify the <code>Object</code> or throw an [@link AccessDeniedException].
 * Typically used to ensure the principal is permitted to access the domain object
 * instance returned by a service layer bean. Can also be used to mutate the domain object
 * instance so the principal is only able to access authorised bean properties or
 * <code>Collection</code> elements.
 * Special consideration should be given to using an <code>AfterInvocationManager</code>
 * on bean methods that modify a database. Typically an
 * <code>AfterInvocationManager</code> is used with read-only methods, such as
 * <code>public DomainObject getById(id)</code>. If used with methods that modify a
 * database, a transaction manager should be used to ensure any
 * <code>AccessDeniedException</code> will cause a rollback of the changes made by the
 * transaction.
 * @author Ben Alex
 */

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* /opt/ws_local/PERMITS_SQL/1034612257_158889269.26/0/spring-security-core-4-2-13-release-sources-1.jar/org/springframework/security/access/intercept/AfterInvocationManager.java

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* /opt/ws_local/PERMITS_SQL/1034612257_158889269.26/0/spring-security-core-4-2-13-release-sources-1-jar/org/springframework/security/crypto/password/Md4PasswordEncoder.java
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The primary ANTLR guy:

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

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* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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* java.sun.security.ssl

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org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util
org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

Mortbay

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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1.1390 model 2.5.0

1.1391 linuxconsoletools 1.4.5-3.el7

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the software.

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1.1410 checker-qual 2.5.2

1.1411 e2fsprogs 1.44.5-r0

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Index: tdbsa/tdb.c

--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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Theodore Ts'o
23-June-2007

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That's all there is to it!
This package was added to the e2fsprogs debian source package by Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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This is the Debian GNU/Linux prepackaged version of the ss
command-line interface parsing library. It is currently
distributed together with the EXT2 file system utilities, which are
otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>,
from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

From the original distribution:

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# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) `echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) 
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB) 
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)
This is the Debian GNU/Linux prepackaged version of the Common Error Description library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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Gadi Oxman, August 1995

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```
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1.1421 hibernate 3.2.1.ga

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/*
 * Support for proprietary interfaces for registering synchronizations in WebSphere 6.
 * @author Gavin King
 */

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* /opt/cola/permits/1139217075_1614469555.11/0/hibernate-3-2-1-ga-sources-2-
  jar/org/hibernate/transaction/WebSphereExtendedJTATransactionLookup.java

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/*
 * Do not add an item to the cache unless the current transaction
 * timestamp is later than the timestamp at which the item was
 * invalidated. (Otherwise, a stale item might be re-added if the
 * database is operating in repeatable read isolation mode.)
 * For versioned data, don't add the item unless it is the later
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 */

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  jar/org/hibernate/exception/NestableException.java
* /opt/cola/permits/1139217075_1614469555.11/0/hibernate-3-2-1-ga-sources-2-jar/org/hibernate/exception/NestableRuntimeException.java
* /opt/cola/permits/1139217075_1614469555.11/0/hibernate-3-2-1-ga-sources-2-jar/org/hibernate/exception/ExceptionUtils.java
* /opt/cola/permits/1139217075_1614469555.11/0/hibernate-3-2-1-ga-sources-2-jar/org/hibernate/exception/NestableDelegate.java
* /opt/cola/permits/1139217075_1614469555.11/0/hibernate-3-2-1-ga-sources-2-jar/org/hibernate/exception/Nestable.java
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1.1422 eclipse-compiler 3.10.2.v20150120

1634

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<title>Eclipse.org Software User Agreement</title>
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<body lang="EN-US" link=blue vlink=purple>
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*************************************************************************/
package org.eclipse.text.edits;

import org.eclipse.jface.text.BadLocationException;
import org.eclipse.jface.text.IDocument;

/**
* A <code>CopyingRangeMarker</code> can be used to track positions when executing
* text edits. Additionally a copying range marker stores a local copy of the
* text it captures when it gets executed.
*
public final class CopyingRangeMarker extends TextEdit {

    private String fText;

    /**
     * Creates a new <tt>CopyRangeMarker</tt> for the given
     * offset and length.
     *
     * @param offset the marker's offset
     * @param length the marker's length
     */
    public CopyingRangeMarker(int offset, int length) {
        super(offset, length);
    }

    /**
     * Copy constructor
     */
    private CopyingRangeMarker(CopyingRangeMarker other) {
        super(other);
        fText = other.fText;
    }

    /* non Java-doc
     * @see TextEdit#doCopy
     */
    protected TextEdit doCopy() {
        return new CopyingRangeMarker(this);
    }

    /* non Java-doc
     * @see TextEdit#accept0
     */
    protected void accept0(TextEditVisitor visitor) {
        boolean visitChildren = visitor.visit(this);
        if (visitChildren) {
            acceptChildren(visitor);
        }
    }

    /* non Java-doc
     * @see TextEdit#performDocumentUpdating
     */
    /* package */ int performDocumentUpdating(IDocument document) throws BadLocationException {
        fText = document.get(getOffset(), getLength());
        fDelta = 0;
    }
return fDelta;

/* non Java-doc
 * @see TextEdit#deleteChildren
 */
/* package */ boolean deleteChildren() {
return false;
}
}

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* /opt/cola/permits/1028387514_1607186847.25/0/error-prone-annotations-2-2-0-sources-2-jar/com/google/errorprone/annotations/FormatMethod.java
* /opt/cola/permits/1028387514_1607186847.25/0/error-prone-annotations-2-2-0-sources-2-jar/com/google/errorprone/annotations/FormatString.java
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jar/com/google/errorprone/annotations/CheckReturnValue.java
* /opt/cola/permits/1028387514_1607186847.25/0/error-prone-annotations-2-2-0-sources-2-
jar/com/google/errorprone/annotations/concurrent/GuardedBy.java
* /opt/cola/permits/1028387514_1607186847.25/0/error-prone-annotations-2-2-0-sources-2-
jar/com/google/errorprone/annotations/DoNotCall.java
* /opt/cola/permits/1028387514_1607186847.25/0/error-prone-annotations-2-2-0-sources-2-
jar/com/google/errorprone/annotations/OverridingMethodsMustInvokeSuper.java
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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

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* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
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org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
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org.apache.tomcat:tomcat-util-scan
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org.eclipse.jetty.toolchain:jetty-schemas

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1.1434 ant 1.10.8

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1.1436 dtd-parser 1.2

1.1437 guava 27.1-jre

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This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.
4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit
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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable “work that uses the Library”, as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you
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"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

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   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.
If such an object file uses only numerical parameters, data structure layouts and accessors, and small macros and small inline functions (ten lines or less in length), then the use of the object file is unrestricted, regardless of whether it is legally a derivative work. (Executables containing this object code plus portions of the Library will still fall under Section 6.)

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

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

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1.1446 swagger-core 1.5.18

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Greg Roelofs (overall program logic, ZipInfo, unshrink, filename
mapping/portability, etc.), Mark Adler (inflate, explode, funzip),
Kai Uwe Rommel (OS/2), John Bush and Paul Kienitz (Amiga), Antoine
Verheijen (Macintosh), Hunter Goatley (more VMS), Mike White (Windows
DLLs), Christian Spieler (overall logic, optimization, VMS, etc.) and
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*/

AppleJavaExtensions
v 1.2

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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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*/

AppleJavaExtensions
v 1.2


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.

There is no license file provided for AppleJavaExtensions.jar. Below is a response from Apple to a question about the license.

On 13 Aug 2004, at 12:33 AM, mdrance@apple.com wrote:

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1.1454 cglib 3.3.0

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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* java.sun.security.ssl

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-spec
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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independently of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

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

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

6. As an exception to the Sections above, you may also combine or
link a “work that uses the Library” with the Library to produce a
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directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable “work that
uses the Library”, as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the
Library. A suitable mechanism is one that (1) uses at run time a
copy of the library already present on the user's computer system,
rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.
We call this license the "Lesser" General Public License because it does less to protect the user's freedom than the ordinary General Public License. It also provides other free software developers less of an advantage over competing non-free programs. These disadvantages are the reason we use the ordinary General Public License for many libraries. However, the Lesser license provides advantages in certain special circumstances.

For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a
table of data to be supplied by an application program that uses
the facility, other than as an argument passed when the facility
is invoked, then you must make a good faith effort to ensure that,
in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
be optional: if the application does not supply it, the square
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These requirements apply to the modified work as a whole. If
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Thus, it is not the intent of this section to claim rights or contest
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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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1.1460 mail 1.4.2

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1.1461 dagger 2.4

1.1462 stix-fonts 1.1.0

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

%global fontname stix
%global fontconf 61-%{fontname}
%global archivename STIXv{version}
%global common_desc \The mission of the Scientific and Technical Information Exchange (STIX) font creation project is the preparation of a comprehensive set of fonts that serve the scientific and engineering community in the process from manuscript creation through final publication, both in electronic and print formats.

Name: %{fontname}-fonts
Version: 1.1.0
Release: 5%{?dist}
Summary: Scientific and engineering fonts
Group: User Interface/X
License: OFL
URL: http://www.stixfonts.org/
Source0: http://downloads.sourceforge.net/stixfonts/%{archivename}.zip
Source10: stix-fonts-fontconfig.conf
Source11: stix-fonts-math-fontconfig.conf
BuildArch: noarch
BuildRequires: fontpackages-devel
Requires: fontpackages-filesystem

Obsoletes: stix-fonts-doc < 1.1.0

%description
%common_desc

This package includes base Unicode fonts containing most glyphs for standard use in the usual four styles.

%_font_pkg -f %{fontconf}.conf STIX-*otf
%doc License/*.pdf *.pdf

%package -n %{fontname}-math-fonts
Summary: Scientific and engineering fonts, PUA glyphs
Requires: %{name} = %{version}-%{release}

Obsoletes: stix integrals fonts < 1.1.0
Obsoletes: stix pua fonts < 1.1.0
Obsoletes: stix sizes fonts < 1.1.0
Obsoletes: stix variants fonts < 1.1.0

%description -n %{fontname}-math-fonts
%common_desc

This package includes one symbol font completing the four faces in the main %{name} package. It replaces the heap of confusing fontlets in the first Stix release.

%_font_pkg -n math -f %{fontconf}-math.conf STIXMath*otf

%prep
%setup -q -c

%build

%install
rm -fr %{buildroot}

install -m 0755 -d %{buildroot} %{fontdir}
install -m 0644 -p Fonts/STIX-Word/*.otf %{buildroot}%{_fontdir}

install -m 0755 -d %{buildroot}%{_fontconfigtemplatedir} \%
%{buildroot}%{_fontconfigconfdir}

install -m 0644 -p %{SOURCE10} \%
%{buildroot}%{_fontconfigtemplatedir}/%{fontconf}.conf
install -m 0644 -p %{SOURCE11} \%
%{buildroot}%{_fontconfigtemplatedir}/%{fontconf}-math.conf

for fconf in %{fontconf}.conf \%
%{fontconf}-math.conf ; do
ln -s %{_fontconfigtemplatedir}/$fconf \%
%{buildroot}%{_fontconfigconfdir}/$fconf
done

clean
rm -fr %{buildroot}

changelog
* Fri Dec 27 2013 Daniel Mach <dmach@redhat.com> - 1.1.0-5
  - Mass rebuild 2013-12-27

* Fri Feb 15 2013 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 1.1.0-4
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_19_Mass_Rebuild

* Thu Nov 08 2012 Stanislav Ochotnicky <sochotnicky@redhat.com> - 1.1.0-3
  - Upstream changed their tarball with new pdf, rebuild

* Sat Jul 21 2012 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 1.1.0-2
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_18_Mass_Rebuild

* Sun Jul 8 2012 Nicolas Mailhot <nicolas.mailhot at laposte.net>
  - 1.1.0-1
  
  Update to new stable release
  Major refactoring now that some sanity prevailed upstream in font naming
  Be careful if you used the old font family names

* Sat Jan 14 2012 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 1.0.0-3
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_17_Mass_Rebuild

* Wed Feb 09 2011 Fedora Release Engineering <rel-eng@lists.fedoraproject.org> - 1.0.0-2
  - Rebuilt for https://fedoraproject.org/wiki/Fedora_15_Mass_Rebuild

* Sun Jul 25 2010 Nicolas Mailhot <nicolas.mailhot at laposte.net>
  - 1.0.0-1
Update to non-beta release
Switch licensing to OFL
Add -doc subpackage

* Sun Jul 26 2009 Fedora Release Engineering <rel-eng@lists.fedoraproject.org>
  - 0.9-13
  Rebuilt for https://fedoraproject.org/wiki/Fedora_12_Mass_Rebuild

* Wed Feb 25 2009 Fedora Release Engineering <rel-eng@lists.fedoraproject.org>
  - 0.9-12
  Rebuilt for https://fedoraproject.org/wiki/Fedora_11_Mass_Rebuild

* Mon Feb 16 2009 Nicolas Mailhot <nicolas.mailhot at laposte.net>
  - 0.9-11
  prepare for F11 mass rebuild, new rpm and new fontpackages

* Fri Jan 16 2009 Nicolas Mailhot <nicolas.mailhot at laposte.net>
  - 0.9-10
  Convert to new naming guidelines

* Sun Nov 23 2008 Nicolas Mailhot <nicolas.mailhot at laposte.net>
  - 0.9-9
  rpm-fonts renamed to fontpackages

* Fri Nov 14 2008 Nicolas Mailhot <nicolas.mailhot at laposte.net>
  - 0.9-8
  Rebuild using new rpm-fonts

* Fri Jul 11 2008 Nicolas Mailhot <nicolas.mailhot at laposte.net>
  - 0.9-7
  Fedora 10 alpha general package cleanup

* Thu Nov 1 2007 Nicolas Mailhot <nicolas.mailhot at laposte.net>
  0.9-6
  Add some fontconfig aliasing rules
  0.9-4
  Initial experimental packaging

Found in path(s):
* /opt/cola/permits/1124279360_1611040725.53/0/stix-fonts-1.1.0-5.el7-1.src.rpm-cosi-expand-archive-Lp9Irqzq/stix-fonts.spec

1.1463 metrics-httpclient 3.2.5
1.1464 libpciaccess 0.13.4-2.el7

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1.1465 popt 1.13 16.el7

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1.1469 bcmail-jdk14 138
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1.1472 e2fsprogs 1.42.9-13.el7

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/*
Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
 @@ -4,11 +4,11 @@ Rev: 23371
 Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
 */
/*
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
- Copyright (C) Andrew Tridgell 2005
+ Copyright (C) Andrew Tridgell 1999-2005
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** library. This does NOT imply that all of Samba is released
This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

http://sourceforge.net/projects/e2fsprogs

Upstream Author: Theodore Ts'o <tytso@mit.edu>

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This is the Debian GNU/Linux prepackaged version of the static EXT2
file system consistency checker (e2fsck.static). The EXT2 utilities
were written by Theodore Ts'o <tytso@mit.edu> and Remy Card
<card@masi.ibp.fr>.

Sources were obtained from http://sourceforge.net/projects/e2fsprogs

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#
# This is a Makefile stub which handles the creation of BSD shared 
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
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Theodore Ts'o
23-June-2007
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APPENDIX: How to apply the Apache License to your work

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1.1479 gstreamer 1.10.4-2.el7

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[This is the first released version of the library GPL. It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it. By contrast, the GNU General Public
Licenses are intended to guarantee your freedom to share and change
free software--to make sure the software is free for all its users.

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Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

The reason we have a separate public license for some libraries is that they blur the distinction we usually make between modifying or adding to a program and simply using it. Linking a program with a library, without changing the library, is in some sense simply using the library, and is analogous to running a utility program or application program. However, in a textual and legal sense, the linked executable is a combined work, a derivative of the original library, and the ordinary General Public License treats it as such.
Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

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

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

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensee is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means
all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

a) The modified work must itself be a software library.

b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.
If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

6. As an exception to the Sections above, you may also compile or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)

b) Accompany the work with a written offer, valid for at
least three years, to give the same user the materials
specified in Subsection 6a, above, for a charge no more
than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy
from a designated place, offer equivalent access to copy the above
specified materials from the same place.

d) Verify that the user has already received a copy of these
materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the
Library" must include any data and utility programs needed for
reproducing the executable from it. However, as a special exception,
the source code distributed need not include anything that is normally
distributed (in either source or binary form) with the major
components (compiler, kernel, and so on) of the operating system on
which the executable runs, unless that component itself accompanies
the executable.

It may happen that this requirement contradicts the license
restrictions of other proprietary libraries that do not normally
accompany the operating system. Such a contradiction means you cannot
use both them and the Library together in an executable that you
distribute.

7. You may place library facilities that are a work based on the
Library side-by-side in a single library together with other library
facilities not covered by this License, and distribute such a combined
library, provided that the separate distribution of the work based on
the Library and of the other library facilities is otherwise
permitted, and provided that you do these two things:

a) Accompany the combined library with a copy of the same work based on the Library, uncombined with any other library facilities. This must be distributed under the terms of the Sections above.

b) Give prominent notice with the combined library of the fact that part of it is a work based on the Library, and explaining where to find the accompanying uncombined form of the same work.

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END OF TERMS AND CONDITIONS

Appendix: How to Apply These Terms to Your New Libraries

If you develop a new library, and you want it to be of the greatest possible use to the public, we recommend making it free software that everyone can redistribute and change. You can do so by permitting redistribution under these terms (or, alternatively, under the terms of the ordinary General Public License).

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

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

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MERCHANTABILITY or FITNESS FOR A PARTICULAR PURPOSE. See the GNU
Library General Public License for more details.

You should have received a copy of the GNU Library General Public License along with this library; if not, write to the Free Software Foundation, Inc., 51 Franklin St, Fifth Floor, Boston, MA 02110-1301, USA.

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

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

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

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

That's all there is to it!

GStreamer Legal Issues

This part of the FAQ is based on a series of questions we asked the FSF to understand how the GPL works and how patents affects the GPL. These questions were answered by the FSF lawyers, so we view them as the final interpretation on how the GPL and LGPL interact with patents in our opinion. This consultancy was paid for by Fluendo in order to obtain clear and quotable answers. These answers were certified by the FSF lawyer team and verified by FSF lawyer and law professor Eben Moglen.

Can someone distribute the combination of

GStreamer, the LGPL library
MyPlayer, a GPL playback application
The binary-only Sorenson decoder

together in one distribution/operating system? If not, what needs to be changed to make this possible?
This would be a problem, because the GStreamer and MyPlayer licenses would forbid it. In order to link GStreamer to MyPlayer, you need to use section 3 of the LGPL to convert GStreamer to GPL. The GPL version of GStreamer forbids linking to the Sorenson decoder. Anyway, the MyPlayer GPL license forbids this.

If the authors of MyPlayer want to permit this, we have an exception for them: the controlled interface exception from the FAQ. The idea of this is that you can't get around the GPL just by including a LGPL bit in the middle.

Note: MyPlayer is a completely fictitious application at the time of writing.

Yes, modulo certain reverse engineering requirements in section 6 of the LGPL.

Suppose Apple wants to write a binary-only proprietary plugin for GStreamer to decode Sorenson video, which will be shipped stand-alone, not part of a package like in the question above. Can Apple distribute this binary-only plugin?

Yes, modulo certain reverse engineering requirements in section 6 of the LGPL.

If a program released under the GPL uses a library that
Open Source Used In Cisco Unified Contact Center Express 12.5(1) SU2  13S53

is LGPL, and this library can dlopen plug-ins at runtime, what are the requirements for the license of the plug-in ?

</para>
</question>

<answer>
<para>
You may not distribute the plug-in with the GPL application. Distributing the plug-in alone, with the knowledge that it will be used primarily by GPL software is a bit of an edge case. We will not advise you that it would be safe to do so, but we also will not advise you that it would be absolutely forbidden.
</para>
</answer>

<qandaentry>
<question id="legal-safe-countries">
<para>
Can someone in a country that does not have software patents distribute code covered by US patents under the GPL to people in, for example, Norway ? If he/she visits the US, can he/she be arrested ?
</para>
</question>

<answer>
<para>
Yes, he can. No, there are no criminal penalties for patent infringement in the US.
</para>
</answer>

<qandaentry>
<question id="legal-unsafe-countries">
<para>
Can someone from the US distribute software covered by US patents under the GPL to people in Norway ? To people in the US ?
</para>
</question>

<answer>
<para>
This might infringe some patents, but the GPL would not forbid it absent some actual restriction, such as a court judgement or agreement. The US government is empowered to refuse importation of patent infringing devices, including software.
</para>
</answer>
There are a lot of GPL- or LGPL-licensed libraries that handle media codecs which have patents. Take mad, an mp3 decoding library, as an example. It is licensed under the GPL. In countries where patents are valid, does this invalidate the GPL license for this project?

The mere existence of a patent which might read on the program does not change anything. However, if a court judgement or other agreement prevents you from distributing libmad under GPL terms, you can not distribute it at all.

The GPL and LGPL say (sections 7 and 11):

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David Megginson, david@megginson.com
2000-05-05

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

Other developers who have contributed code are:

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1.1493.1 Available under license:
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The Mesa 3D Graphics Library

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Mesa Component Licenses

<table>
<thead>
<tr>
<th>Component</th>
<th>Location</th>
<th>License</th>
</tr>
</thead>
<tbody>
<tr>
<td>Main Mesa code</td>
<td>src/mesa/</td>
<td>MIT</td>
</tr>
<tr>
<td>Device drivers</td>
<td>src/mesa/drivers/*</td>
<td>MIT, generally</td>
</tr>
<tr>
<td>Gallium code</td>
<td>src/gallium/</td>
<td>MIT</td>
</tr>
</tbody>
</table>
Ext headers include/GL/glext.h Khronos include/GL/glXext.h

GLX client code src/glx/ SGI Free Software License B

C11 thread include/c11/threads*.h Boost (permissive) emulation

<p>
In general, consult the source files for license terms.
</p>

</div>
</body>
</html>

/* Legal characters in GLSL are:
 *
 * Identifier characters:
 *
 * Letters a-z
 * Letters A-Z
 * Underscore
 * Numbers 0-9
 *
 * Punctuation:
 *
 * Period, plus, dash, slash, asterisk, percent, angled brackets,
 * square brackets, parentheses, braces, caret, vertical bar,
 * ampersand, tilde, equals, exclamation point, colon, semicolon,
 * comma, and question mark
 *
 * Special:
 *
 * Number sign (as used in preprocessor)
 *
 * Backslash just before newline as line continuation
 *
 * White space:
 *
 * Space, horizontal tab, vertical tab, form feed, carriage-return,
 * and line-feed.
 *
 * [GLSL Language Specification 4.30.6, section 3.1]
 *
 * In this file, we test each of these in turn as follows:
 *
 * Identifier characters: All pass through unchanged
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# Authors:
#   Ian Romanick <idr@us.ibm.com>

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Subject: RE: Question about Mesa MLAA license
From: Jorge Jimenez <iryoku@gmail.com>
Date: 01/08/2013 12:50 PM
Yes to both questions.

Thanks,
Jorge

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:49 PM
To: Jorge Jimenez <iryoku@gmail.com>
CC: jorge@iryoku.com
Subject: Re: Question about Mesa MLAA license

On 01/08/2013 12:39 PM, Jorge Jimenez wrote:
> Hi Tom,
> 
> What we meant with that is that we made an exception for clause 2.
> Instead of clause 2, in the case of the Mesa project, you have to name
> the technique Jimenez's MLAA in the config options of Mesa. We did that
> just to allow them to solve license issues. This exception should be for
> the Mesa project, and any project using Mesa, like Fedora.
> 
> We want to widespread usage of our MLAA, so we want to avoid any kind of
> license complications. Hope current one is good for Fedora, if not
> please tell, and we'll see what we can do!

Okay, a few more questions:

* If Fedora decides to simply reproduce the quoted statement:
"Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia,
Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."

Specifically, if this is done as part of documentation included with
Mesa, is that sufficient to meet clause 2 even if the Mesa config option
is not set as described in your exception?

* Currently, the Mesa config option for MLAA says: "Morphological
anti-aliasing based on Jimenez's MLAA. 0 to disable, 8 for default
quality". Is this in compliance with your exception?

Thanks again,

~tom

==

Fedora Project
Hi Tom,

What we meant with that is that we made an exception for clause 2. Instead of clause 2, in the case of the Mesa project, you have to name the technique Jimenez's MLAA in the config options of Mesa. We did that just to allow them to solve license issues. This exception should be for the Mesa project, and any project using Mesa, like Fedora.

We want to widespread usage of our MLAA, so we want to avoid any kind of license complications. Hope current one is good for Fedora, if not please tell, and we'll see what we can do!

Cheers,
Jorge

---

From: Tom Callaway <tcallawa@redhat.com>
Sent: January 8, 2013 6:30 PM
To: jorge@iryoku.com
Subject: Question about Mesa MLAA license

Jorge,

Thanks for all of your fantastic graphics work! I have been auditing Fedora (a popular distribution of Linux) for license compliance and I came across your MLAA code in Mesa.

The license says:

* 2. Redistributions in binary form must reproduce the following statement:
*    "Uses Jimenez's MLAA. Copyright (C) 2010 by Jorge Jimenez, Belen Masia, Jose I. Echevarria, Fernando Navarro and Diego Gutierrez."
* Only for use in the Mesa project, this point 2 is filled by naming the technique Jimenez's MLAA in the Mesa config options.

That wording is unclear. When you say "Only for use in the Mesa project...", it seems like you could either be saying:

- This code may only be used as part of Mesa.

OR
- In Mesa, you can comply with clause 2 by simply selecting "Jimenez's MLAA" in the Mesa config options.

*****

If the first item is true, then we may have to remove the MLAA code from Fedora's copy of Mesa. However, looking at the license on your SMAA code, I do not believe it to be the case. Please let me know either way!

Thanks in advance,

Tom Callaway
Fedora Legal

==
Fedora Project

1.1494 rome 0.9
1.1494.1 Available under license:
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Found in path(s):

* /opt/cola/permits/1135952930_1613641089.2/0/rome-0-9-sources-2-jar/com/sun/syndication/io/impl/XmlFixerReader.java
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*
*/

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* /opt/cola/permits/1135952930_1613641089.2/0/rome-0-9-sources-2-jar/com/sun/syndication/io/impl/RSS91NetscapeGenerator.java
* /opt/cola/permits/1135952930_1613641089.2/0/rome-0-9-sources-2-jar/com/sun/syndication/io/impl/Atom10Generator.java
* /opt/cola/permits/1135952930_1613641089.2/0/rome-0-9-sources-2-jar/com/sun/syndication/feed/synd/impl/ConverterForRSS094.java
* /opt/cola/permits/1135952930_1613641089.2/0/rome-0-9-sources-2-jar/com/sun/syndication/io/FeedException.java
* /opt/cola/permits/1135952930_1613641089.2/0/rome-0-9-sources-2-jar/com/sun/syndication/feed/rss/Image.java
* /opt/cola/permits/1135952930_1613641089.2/0/rome-0-9-sources-2-jar/com/sun/syndication/feed/synd/SyndContentImpl.java
* /opt/cola/permits/1135952930_1613641089.2/0/rome-0-9-sources-2-jar/com/sun/syndication/io/impl/RSS92Generator.java
* /opt/cola/permits/1135952930_1613641089.2/0/rome-0-9-sources-2-jar/com/sun/syndication/io/impl/RSS20wNSParser.java
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* /opt/cola/permits/1135952930_1613641089.2/0/rome-0-9-sources-2.jar/com/sun/syndication/io/impl/RSS093Parser.java
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* /opt/cola/permits/1135952930_1613641089.2/0/rome-0-9-sources-2-jar/com/sun/syndication/io/ParsingFeedException.java
* /opt/cola/permits/1135952930_1613641089.2/0/rome-0-9-sources-2-jar/com/sun/syndication/feed/rss/Cloud.java
* /opt/cola/permits/1135952930_1613641089.2/0/rome-0-9-sources-2-jar/com/sun/syndication/io/impl/FeedGenerators.java
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* /opt/cola/permits/1135952930_1613641089.2/0/rome-0-9-sources-2-jar/com/sun/syndication/feed/module/impl/ModuleUtils.java
* /opt/cola/permits/1135952930_1613641089.2/0/rome-0-9-sources-2-jar/com/sun/syndication/io/impl/WireFeedGenerator.java
* /opt/cola/permits/1135952930_1613641089.2/0/rome-0-9-sources-2-jar/com/sun/syndication/io/impl/RSS090Generator.java
* /opt/cola/permits/1135952930_1613641089.2/0/rome-0-9-sources-2-jar/com/sun/syndication/io/impl/ModuleGenerators.java
* /opt/cola/permits/1135952930_1613641089.2/0/rome-0-9-sources-2-jar/com/sun/syndication/feed/synd/impl/Converters.java
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* /opt/cola/permits/1135952930_1613641089.2/0/rome-0-9-sources-2-jar/com/sun/syndication/feed/synd/SyndImage.java
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* /opt/cola/permits/1135952930_1613641089.2/0/rome-0-9-sources-2-jar/com/sun/syndication/feed/atom/Entry.java
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* /opt/cola/permits/1135952930_1613641089.2/0/rome-0-9-sources-2-jar/com/sun/syndication/feed/module/SyModule.java
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* /opt/cola/permits/1135952930_1613641089.2/0/rome-0-9-sources-2-jar/com/sun/syndication/feed/impl/ObjectBean.java
* /opt/cola/permits/1135952930_1613641089.2/0/rome-0-9-sources-2-
1.1495 tomcat-juli 9.0.37
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class C {
    val x = ((Int, Int) => Int) = (((a, b)) => a)
    val y = ((Int, Int, Int) => Int) = (((a, !)) => a)
    val z = ((Int, Int, Int) => Int) = (((a, NotAPatternVariableName, c)) => a)
}

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Either create a single parameter accepting the Tuple2,

or consider a pattern matching anonymous function: `\{ case (a, b) => ... \}

val x: ((Int, Int) => Int) = (((a, b)) => a)

Note: Tuples cannot be directly destructured in method or function parameters.

Either create a single parameter accepting the Tuple2,

or consider a pattern matching anonymous function: `\{ case (param1, param2) => ... \}

val y: ((Int, Int) => Int) = (((a, !!)) => a)

Note: Tuples cannot be directly destructured in method or function parameters.

Either create a single parameter accepting the Tuple3,

or consider a pattern matching anonymous function: `\{ case (param1, ..., param3) => ... \}

val z: ((Int, Int, Int) => Int) = (((a, NotAPatternVariableName, c)) => a)

three errors found

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iconv (Charset Conversion Library) v2.0

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Copyright (C) 19yy <name of author>
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the Free Software Foundation, Inc., 59 Temple Place - Suite 330,
Boston, MA 02111-1307, USA.

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

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

   Gnomovision version 69, Copyright (C) 19yy name of author
   Gnomovision comes with ABSOLUTELY NO WARRANTY; for details type `show w'.
   This is free software, and you are welcome to redistribute it
   under certain conditions; type `show c' for details.

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

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

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

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

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

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in the event an application does not supply such function or
table, the facility still operates, and performs whatever part of
its purpose remains meaningful.

(For example, a function in a library to compute square roots has
a purpose that is entirely well-defined independent of the
application. Therefore, Subsection 2d requires that any
application-supplied function or table used by this function must
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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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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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1.1506 metrics-jersey2 4.0.5

1.1507 jackson-dataformat-yaml 2.12.0

1.1507.1 Available under license:

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1.1508 slf4j 1.7.24

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1.1509 libsm 1.2.2-2.el7

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1.1512 go-runtime 1.7.6

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Aaron Beitch <aaronb@arista.com>
Aaron Bieber <deftly@gmail.com>
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Aaron France <aaron.l.france@gmail.com>
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Adam Sindelar <adamsh@google.com>
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Andrew Todd <andrew.todd@wework.com>
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Brandon Philips <brandon@ifup.org>
Brandon Ryan <brjryan19@gmail.com>
Brendan Daniel Tracey <tracey.brendan@gmail.com>
Brendan O'Dea <bod@golang.org>
Brett Cannon <bcannon@gmail.com>
Brett Merrill <brett.m.merrill94@gmail.com>
Brian Dellisanti <brian@dellisanti.com>
Brian Downs <brian.downs@gmail.com>
Brian Falk <falk@logicparty.org>
Brian G. Merrell <bgmerrell@gmail.com>
Brian Gitonga Marete <marete@toshnix.com> <bgmarete@gmail.com> <bgm@gmail.com>
Brian Kennedy <bt.kennedy@gmail.com>
Brian Kessler <brian.m.kessler@gmail.com>
Brian Ketelsen <bketelsen@gmail.com>
Brian Slesinsky <skybrian@gmail.com>
Brian Smith <ohohvi@gmail.com>
Brian Starke <brian.starke@gmail.com>
Bryan Alexander <Kozical@msn.com>
Bryan C. Mills <bcmills@google.com>
Bryan Chan <bryan.chan@ca.ibm.com>
Bryan Ford <brynosaurus@gmail.com>
Bryan Heden <b.heden@gmail.com>
Bulat Gaifullin <gaifullinbf@gmail.com>
Burak Guven <bgguven@gmail.com>
Caine Tighe <arctanofyourface@gmail.com>
Caio Marcelo de Oliveira Filho <caio.oliveira@intel.com>
Caleb Martinez <accounts@calebmartinez.com>
Caleb Spare <cespare@gmail.com>
Carl Chatfield <carlchatfield@gmail.com>
Carl Henrik Lunde <chlunde@ifi.uio.no>
Carl Jackson <carl@stripe.com>
Carl Johnson <me@carljohnson.net>
Carl Mastrangelo <notcarl@google.com>
Carl Shapiro <cshapiro@gmail.com> <cshapiro@golang.org>
Carlissia Campos <carlissia@grokkingtech.io>
Carlo Alberto Ferraris <cafxx@strayorange.com>
Carlos Amedee <carlos@golang.org>
Chris Stockton <chrisstocktonaz@gmail.com>
Chris Zou <chriszou@ca.ibm.com>
Christian Alexander <christian@linux.com>
Christian Couder <chriscouder@tuxfamily.org>
Christian Himpel <chressie@googlemail.com> <chressie@gmail.com>
Christian Muehlhaeuser <muesli@gmail.com>
Christian Pellegrin <chri@evolware.org>
Christian R. Petrin <christianpetrin@gmail.com>
Christine Hansmann <chhansmann@gmail.com>
Christoffer Buchholz <christoffer.buchholz@gmail.com>
Christoph Blecker <admin@toph.ca>
Christoph Hack <christoph@tux21b.org>
Christopher Cahoon <chris.cahoon@gmail.com>
Christopher Guiney <chris@guiney.net>
Christopher Henderson <chris@chenderson.org>
Christopher Koch <chrisko@google.com>
Christopher Loessl <loessl+github@gmail.com>
Christopher Nelson <nadiasvertex@gmail.com>
Christopher Nielsen <m4dh4tt3r@gmail.com>
Christopher Redden <christopher.redden@gmail.com>
Christopher Swenson <cswenson@google.com>
Christopher Wedgwood <cw@f00f.org>
Christos Zoulas <christos@zoulas.com> <zoulasc@gmail.com>
Christy Perez <christy@linux.vnet.ibm.com>
CL Sung <clsung@gmail.com> <cl_sung@htc.com>
Clément Chigot <clement.chigot@atos.net>
Clement Skau <clementska@gmail.com>
Clint J. Edwards <clint.j.edwards@gmail.com>
Cody Oss <the.cody.oss@gmail.com>
Colby Ranger <cranger@gmail.com>
Colin Arnott <colin@urandom.co.uk>
Colin Cross <ccross@android.com>
Colin Edwards <colin@recursivepenguin.com>
Colin Kennedy <moshen.colin@gmail.com>
Colin Nelson <colin.nelson@google.com>
Colin Rice <clr@google.com>
Conrad Irwin <conrad.irwin@gmail.com>
Conrad Meyer <cemeyer@cs.washington.edu>
Conrado Gouvea <conradog@gmail.com>
Constantin Konstantinidis <constantinkonstantinidis@gmail.com>
Corey Thomasson <cthom.lists@gmail.com>
Cosmos Nicolaou <cnicolaou@gmail.com>
Costin Chirvasuta <ctin@gmail.com>
Craig Citro <craigcitro@gmail.com>
Cristian Stareu <cristian.stareu@gmail.com>
Cuihtlauac ALVARADO <cuihtlauac.alvarado@orange.com>
Cyrill Schumacher <cyrill@schumacher.fm>
Daisuke Fujita <dtanshi45@gmail.com>
Open Source Used in Cisco Unified Contact Center Express 12.5(1) SU2 13936

Dong-hee Na <donghee.na92@gmail.com>
Donovan Hide <donovanhide@gmail.com>
Doug Anderson <douga@google.com>
Doug Fawley <dfawley@google.com>
Douglas Danger Manley <doug.manley@gmail.com>
Drew Flower <drewvanstone@gmail.com>
Drew Hintz <adhintz@gmail.com>
Duco van Amstel <duco.vanamstel@gmail.com>
Duncan Holm <mail@frou.org>
Dustin Carlino <dcarlino@google.com>
Dustin Herbison <djherbis@gmail.com>
Dustin Long <dustmop@gmail.com>
Dustin Sallings <dsallings@gmail.com>
Dustin Shields-Cloues <dcloues@gmail.com>
Dvir Volk <dvir@everything.me> <dvirsky@gmail.com>
Dylan Waits <dylan@waits.io>
Edan Bedrik <3d4nb3@gmail.com>
Eddie Scholtz <escholtz@google.com>
Eden Li <eden.li@gmail.com>
Eduard Urbach <e.urbach@gmail.com>
Eduardo Ramalho <eduardo.ramalho@gmail.com>
Eduardo Villaseor <evillasrmx@gmail.com>
Edward Muller <edwardam@interlix.com>
Egon Elbre <egonelbre@gmail.com>
Ehren Kret <ehren.kret@gmail.com>
Eitan Adler <lists@etanadler.com>
Eivind Uggedal <eivind@uggedal.com>
Elbert Flick <eflick@gmail.com>
Eldar Rakhimberdin <ibeono@gmail.com>
Elena Grahovac <elena@grahovac.me>
Eli Bendersky <eliben@google.com>
Elias Naur <mail@eliasnaur.com> <elias.naur@gmail.com>
Elliot Morrison-Reed <elliotmr@gmail.com>
Emerson Lin <linyintor@gmail.com>
Emil Hessman <emil@hessman.se>
Emil Mursalimov <mursalimovee@gmail.com>
Emilien Kenler <hello@emilienkenler.com>
Emmanuel Odeke <emm.odeke@gmail.com> <odeke@ualberta.ca>
Eno Compton <enocom@gmail.com>
Eoghan Sherry <ejsherry@gmail.com>
Eric Biggers <ebiggers@google.com>
Eric Brown <browne@vmware.com>
Eric Chiang <eric.chiang.m@gmail.com>
Eric Clark <zerohp@gmail.com>
Eric Daniels <eric@erdaniels.com>
Eric Engestrom <eric@engestrom.ch>
Eric Garrido <ekg@gmail.com>
Eric Koleda <ekoleda+devrel@gmail.com>
Fedor Korotkiy <dartslon@gmail.com>
Felipe Oliveira <felipeweb.programador@gmail.com>
Felix Buemann <Felix.Buemann@gmail.com>
Felix Geisendrfer <haimuiba@gmail.com>
Felix Kollmann <fk@konsorten.de>
Filip Gruszczynski <gruszczynski@gmail.com>
Filip Haglund <drathier@users.noreply.github.com>
Filip Stanis <fstanis@google.com>
Filippo Valsorda <filippo@golang.org> <filippo@cloudflare.com> <hi@filippo.io>
Firmansyah Adiputra <frm.adiputra@gmail.com>
Florian Forster <octo@octo.com>
Florian Uckermann <florian@uekermann-online.de> <f1@uekermann-online.de>
Florian Weimer <fw@deneb.enyo.de>
Florin Patan <florinpatan@gmail.com>
Folke Behrens <folke@google.com>
Ford Hurley <ford.hurley@gmail.com>
Francesc Campoy <campoy@golang.org>
Francesco Renzi <rentziass@gmail.com>
Francisco Claude <fclaude@recoded.cl>
Francisco Rojas <francisco.rojas.gallegos@gmail.com>
Francisco Souza <franciscosouza@gmail.com>
Frank Schroeder <frank.schroeder@gmail.com>
Frank Somers <f somers@arista.com>
Frederic Guillot <frederic.guillot@gmail.com>
Frederick Kelly Mayle III <frederickmayle@gmail.com>
Frederik Ring <frederik.ring@gmail.com>
Frederik Zipp <fzipp@gmx.de>
Fredrik Enstad <fredrik.enstad@soundtrackyourbrand.com>
Fredrik Forsmo <fredrik.forsmo@gmail.com>
Fredrik Wallgren <fredrik.wallgren@gmail.com>
Frew Schmidt <github@frew.co>
Frithjof Schulze <schulze@math.uni-hannover.de> <sfri thinjof@gmail.com>
Frits van Bommel <fbommel@gmail.com>
Fujimoto Kyo suke <kyoro.f@gmail.com>
Fumitoshi Ukai <ukai@octo.com>
G. Hussain Chinoy <ghchinoy@gmail.com>
Gaal Yahas <gaal@gmail.com>
Gabrel Arthr Pursson <gabriel@system.is>
Gabriel Aszalos <gabriel.aszalos@gmail.com>
Gabriel Guzman <gabe.guzman@gmail.com>
Gabriel Nelle <tehsphinx@web.de>
Gabriel Nicolas Avellaneda <avellaneda.gabriel@gmail.com>
Gabriel Rosenhouse <rosenhouse@gmail.com>
Gabriel Russell <gabriel.russell@gmail.com>
Gareth Paul Jones <gpj@foursquare.com>
Garret Kelly <gdk@gmail.com>
Garrick Evans <garrick@octo.com>
Gary Burd <gburd@octo.com>
Jonathan Mark <jhmark@xenops.com> <jhmark000@gmail.com>
Jonathan Nieder <jrn@google.com>
Jonathan Pentecost <pentecostjonathan@gmail.com>
Jonathan Pittman <jmpittman@gmail.com> <jonathan.mark.pittman@gmail.com>
Jonathan Rudenberg <jonathan@titanous.com>
Jonathan Stacks <jonstacks13@gmail.com>
Jonathan Wills <runningwild@gmail.com>
Jonathon Lacher <jonathon.lacher@gmail.com>
Jongmin Kim <atomaths@gmail.com>
Joonas Kuorilehto <joneskoo@derbian.fi>
Joop Kiefte <ikojba@gmail.com> <joop@kiefte.net>
Jordan Krage <jmank88@gmail.com>
Jordan Liggitt <jordanthelewis@gmail.com>
Jordan Rhee <jordanhr@microsoft.com>
Jordi Martin <jordimartin@gmail.com>
Jorge Araya <jorgejavieran@yahoo.com.mx>
Jorge L. Fatta <jorge.fatta@auth0.com>
Jos Visser <josv@gmail.com>
Josa Gesell <josa@gesell.me>
Jose Luis Vzquez Gonzalez <josvazg@gmail.com>
Joseph Bonneau <jcb@google.com>
Joseph Holsten <joseph@josephholsten.com>
Josh Bleecher Snyder <josharian@gmail.com>
Josh Chorlton <jchorlton@gmail.com>
Josh Deprez <josh.deprez@gmail.com>
Josh Goebel <dreamer3@gmail.com>
Josh Hoak <jhoak@gmail.com>
Josh Holland <jrh@joshh.co.uk>
Josh Roppo <joshroppo@gmail.com>
Josh Varga <josh.varga@gmail.com>
Joshua Boelter <joshua.boelter@intel.com>
Joshua Chase <jcjoshuachase@gmail.com>
Joshua M. Clulow <josh.clulow@joyent.com>
Joshua Rubin <joshua@rubixconsulting.com>
Josselin Costanzi <josselin@costanzi.fr>
Jostein Stuhaug <js@solidsystem.no>
JP Sugarbroad <jpsugar@gmail.com>
JT Olds <jtolds@xnet5.com>
JT Olio <hello@jtolio.com>
Juan Carlos <juanjcsr@gmail.com>
Juan Pablo Civile <elementohb@gmail.com>
Jude Pereira <judebperereira@gmail.com>
Jukka-Pekka Kekkonen <karatepekka@gmail.com>
Julia Hansbrough <flowerhack@gmail.com>
Julian Kornberger <jk+github@digineo.de>
Julian Pastarmov <pastarmovj@gmail.com>
Julian Phillips <julian@quantumfyre.co.uk>
Julian Tibble <julian.tibble@gmail.com>
Julie Qiu <julie@golang.org>
Julien Kauffmann <julien.kauffmann@freelan.org>
Julien Salleyron <julien.salleyron@gmail.com>
Julien Schmidt <google@julienschmidt.com>
Julio Montes <julio.montes@intel.com>
Jun Zhang <jim.zoumo@gmail.com>
Junda Liu <junda@CELER.NETWORK>
Jungho Ahn <jhahn@google.com>
Junya Hayashi <ledmonster@gmail.com>
Juraj Sukop <sukop@users.noreply.github.com>
Jure Ham <jure.ham@zemanta.com>
Justin Gracenin <jgracenin@gmail.com>
Justin Li <git@justinli.net>
Justin Nu <nuss.justin@gmail.com>
Justyn Temme <justyntemme@gmail.com>
Kai Backman <kaib@golang.org>
Kai Dong <dokia2357@gmail.com>
Kai Trukenmiller <ktye78@gmail.com>
Kale Blankenship <kale@lemnisys.com>
Kaleb Elwert <kelwert@atlassian.com>
Kalman Bekesi <kalmanb@google.com>
Kamal Aboul-Hosn <aboulhosn@google.com>
Kamil Chmielewski <kamil.chm@gmail.com>
Kamil Kisiel <kamil@kamilkisiel.net> <kamil.kisiel@gmail.com>
Kamil Rytarowski <krytarowski@users.noreply.github.com>
Kang Hu <hukangustc@gmail.com>
Kanta Ebihara <kantaebihara@gmail.com>
Karan Dhiman <karandhi@ca.ibm.com>
Karel Pazdera <pazderak@gmail.com>
Karoly Negyesi <chx1975@gmail.com>
Karsten Khler <karsten.koehler95@gmail.com>
Karthik Nayak <karthik.188@gmail.com>
Kashav Madan <kshvmdn@gmail.com>
Kate Manson <kate.manson@izettle.com>
Katharine Berry <ktbry@google.com>
Katie Hockman <katie@golang.org>
Kato Kazuyoshi <kato.kazuyoshi@gmail.com>
Katrina Owen <katrina.owen@gmail.com>
Kaviraj Kanagaraj <kavirajkanagaraj@gmail.com>
Kay Zhu <kayzhu@gmail.com>
Kazuhiro Sera <seratch@gmail.com>
KB Sriram <kbksriram@gmail.com>
Keegan Carruthers-Smith <keegan.csmith@gmail.com>
Kei Son <hey.calmdown@gmail.com>
Keiji Yoshida <keijiyoshida.mail@gmail.com>
Keisuke Kishimoto <keisuke.kishimoto@gmail.com>
Keith Ball <inflatablewoman@gmail.com>
Kristopher Watts <traetox@gmail.com>
Kshitij Saraogi <kshitij.saraogi@gmail.com>
Kun Li <likunarmstrong@gmail.com>
Kunpei Sakai <namusyaka@gmail.com>
Kuntal Majumder <hellozee@disroot.org>
Kyle Consalus <consalus@gmail.com>
Kyle Isom <kyle@gokyle.net>
Kyle Jones <kyle@kyledj.com>
Kyle Lemons <kyle@kylelemons.net> <kevlar@google.com>
Kyle Shannon <kyle@pobox.com>
Kyle Spiers <eiais@google.com>
Kyle Wood <kyle@kylewood.cc>
Kyohei Kadota <lufia@lufia.org>
Kyrilo Silin <silin@kyrilo.org>
L Campbell <unpantsu@gmail.com>
Lai Jiangshan <eag0628@gmail.com>
Lajos Papp <lalyos@yahoo.com>
Lakshay Garg <lakshay.garg.1996@gmail.com>
Lann Martin <lannm@google.com>
Lanre Adelowo <yo@lanre.wtf>
Larry Clapp <larry@theclapp.org>
Larry Hosken <lahosken@golang.org>
Lars Jeppesen <jeppesen.lars@gmail.com>
Lars Lehtonen <lars.lehtonen@gmail.com>
Lars Wiegman <lars@namsral.com>
Larz Conwell <larzconwell@gmail.com>
Laurent Voisin <lpvoisin@gmail.com>
Laurie Clark-Michalek <laurie@qubit.com>
LE Manh Cuong <cuong.manhle.vn@gmail.com>
Lee Hinman <hinman@gmail.com>
Lee Packham <lpackham@gmail.com>
Lehner Florian <dev@der-flo.net>
Leigh McCulloch <leighmcc@gmail.com>
Leo Antunes <leo@costela.net>
Leo Rudberg <ltr@google.com>
Leon Klingele <git@leonklingele.de>
Leonardo Comelli <leonardo.comelli@gmail.com>
Leonel Quinteros <leonel.quinteros@gmail.com>
Lev Shamardin <shamardin@gmail.com>
Lewin Bormann <lewin.bormann@gmail.com>
Lion Yang <lion@aosc.xyz>
Liz Rice <liz@lizrice.com>
Lloyd Dewolf <foolswisdom@gmail.com>
Lorenz Bauer <lmn@cloudflare.com>
Lorenz Brun <lorenz@brun.one>
Lorenz Nickel <mail@lorenznickel.de>
Lorenzo Masini <rugginoso@develer.com>
Lorenzo Stoakes <lstoakes@gmail.com>
Marco Hennings <marco.hennings@freiheit.com>
Marcus Willock <crazcalm@gmail.com>
Marga Manterola <marga@google.com>
Mariano Cano <mariano@smallstep.com>
Marin Bai <marin.basic02@gmail.com>
Mario Arranz <marioarranzr@gmail.com>
Marius A. Eriksen <marius@grailbio.com>
Marius Nuennerich <mn@google.com>
Mark Adams <mark@markadams.me>
Mark Bucciarelli <mbucc@gmail.com>
Mark Glines <mark@glines.org>
Mark Harrison <marhar@gmail.com>
Mark Percival <m@mdp.im>
Mark Pulford <mark@kyne.com.au>
Mark Rushakoff <mark.rushakoff@gmail.com>
Mark Ryan <mark.d.ryan@intel.com>
Mark Severson <miquella@gmail.com>
Mark Theunissen <mark.theunissen@gmail.com>
Mark Villacampa <m@markvillacampa.com>
Mark Wolfe <mark@wolfe.id.au>
Mark Zavislak <zavislak@gmail.com>
Marko Juhani Silokunnas <marko.silokunnas@gmail.com>
Marko Kevac <marko@kevac.org>
Marko Kungla <marko.kungla@gmail.com>
Marko Mikulicic <mkm@gmail.com>
Marko Mudrinic <mudrinic.mare@gmail.com>
Marko Tiikkaja <marko@joh.to>
Markus Duft <markus.duft@salomon.at>
Markus Sonderegger <marraison@gmail.com>
Markus Zimmermann <zimmski@gmail.com>
Marten Seemann <martenseemann@gmail.com>
Martin Bertschler <mbertschler@gmail.com>
Martin Garton <garton@gmail.com>
Martin Habbecke <marhab@gmail.com>
Martin Hamrle <martin.hamrle@gmail.com>
Martin Hoefling <martin.hoefling@gmx.de>
Martin Kreichgauer <martinkr@google.com>
Martin Kunc <martinkunc@users.noreply.github.com>
Martin Lindhe <martin.j.lindhe@gmail.com>
Martin Mohrmann <moomhrmann@gmail.com> <martisch@uos.de>
Martin Neubauer <m.ne@gmx.net>
Martin Olsen <github.com@martinolsen.net>
Martin Olsson <martin@minimum.se>
Martin Probst <martin@probst.io>
Martin Sucha <anty.sk+git@gmail.com>
Martin Tournoij <martin@arp242.net>
Martins Sipenko <martsins.sipenko@gmail.com>
Martynas Budrinas <mabu@gmail.com>
Max Ushakov <ushmax@gmail.com>
Maxim Eryomenko <moeryomenko@gmail.com>
Maxim Khitrov <max@mxcrypt.com>
Maxim Pimenov <mpimenov@google.com>
Maxim Ushakov <ushakov@google.com>
Maxime de Roucy <maxime.deroucy@gmail.com>
Mxio Cuadros Ortiz <mcuadros@gmail.com>
Maxwell Krohn <themax@gmail.com>
Maya Rashish <maya@NetBSD.org>
Mayank Kumar <krmayankk@gmail.com>
Meir Fischer <meirfischer@gmail.com>
Meng Zhuo <mengzhuo1203@gmail.com>
Mhd Sulhan <m.shulhan@gmail.com>
Micah Stetson <micah.stetson@gmail.com>
Michael Anthony Knyszek <mknyszek@google.com>
Michael Brandenburg <mbrandenburg@bolste.com>
Michael Chaten <mchaten@gmail.com>
Michael Cook <code@mdcook.net>
Michael Darakanaanda <pongad@gmail.com>
Michael Dorner <mail@maicheldorner.de>
Michael Edwards <medwards@walledcity.ca>
Michael Elkins <michael.elkins@gmail.com>
Michael Ellis <micellis@justin.tv>
Michael Fraenkel <michael.fraenkel@gmail.com>
Michael Fromberger <michael.j.fromberger@gmail.com>
Michael Gehring <mg@ebfe.org> <gnirheg.leahcim@gmail.com>
Michael Henderson <mdhender@users.noreply.github.com>
Michael Hendricks <michael@ndrix.org>
Michael Hoisie <hoisie@gmail.com>
Michael Hudson-Doyle <michael.hudson@linaro.org>
Michael Kasch <michael.kasch@gmail.com>
Michael Kufl <golang@c.michael-kaeufl.de>
Michael Kelly <mjk@google.com>
Michael Lewis <mikelikespie@gmail.com>
Michael Maclnnis <Michael.P.Maclnnis@gmail.com>
Michael Marineau <michael.marineau@coreos.com>
Michael Matloob <matloob@google.com>
Michael McConville <momcconville@gmail.com>
Michael McGreevy <mcgreevy@golang.org>
Michael McLoughlin <mmcloughlin@gmail.com>
Michael Munday <mike.munday@ibm.com>
Michael Pearson <mipearson@gmail.com>
Michael Piatek <piatek@gmail.com>
Michael Pratt <mpratt@google.com>
Michael Schaller <michael@5challer.de>
Michael Schurter <michael.schurter@gmail.com>
Michael Shields <mshields@google.com>
Michael Stapelberg <michael@stapelberg.de> <mstplbrg@googlemail.com>
Nick Cooper <nmvc@google.com>
Nick Craig-Wood <nick@craig-wood.com> <nickcw@gmail.com>
Nick Harper <nharper@google.com>
Nick Kubala <nkubala@google.com>
Nick Leli <nicholasleli@gmail.com>
Nick Miyake <nmiyake@users.noreply.github.com>
Nick Patavalis <nick.patavalis@gmail.com>
Nick Petroni <npetroni@cs.umd.edu>
Nick Robinson <nrobinson13@gmail.com>
Nick Smolin <nick27surgut@gmail.com>
Nicolas BRULEZ <n.brulez@gmail.com>
Nicolas Kaiser <nikai@nikai.net>
Nicolas Owens <mischief@offblast.org>
Nicolas S. Dade <nic.dade@gmail.com>
Niek Sanders <niek.sanders@gmail.com>
Niels Widger <niels.widger@gmail.com>
Nigel Kerr <nigel.kerr@gmail.com>
Nigel Tao <nigeltao@golang.org>
Nik Nyby <nnyby@columbia.edu>
Nikhil Benesch <nikhil.benesch@gmail.com>
Nikita Kryuchkov <nkryuchkov10@gmail.com>
Nikita Vanyasin <nikita.vanyasin@gmail.com>
Niklas Schnelle <niklas.schnelle@gmail.com>
Niko Dziemba <niko@dziemba.com>
Nikolay Turpitko <nikolay@turpitko.com>
Nils Larsgrd <nilsmagnus@gmail.com>
Nir Soffer <nirsof@gmail.com>
Niranjan Godbole <niranjan8192@gmail.com>
Nishanth Shanmugham <nishanth.gerrard@gmail.com>
Noah Campbell <noahcampbell@gmail.com>
Noble Johnson <noblepoly@gmail.com>
Nodir Turakulov <nodir@google.com>
Noel Georgi <git@frezbo.com>
Norberto Lopes <nlopes.ml@gmail.com>
Norman B. Lancaster <qbradq@gmail.com>
Nuno Cruces <ncruces@users.noreply.github.com>
Odin Ugedal <odin@ugedal.com>
Oleg Bulatov <dmage@yandex-team.ru>
Oleg Vakheta <helginet@gmail.com>
Oleku Konko <oleku.konko@gmail.com>
Oling Cat <olingcat@gmail.com>
Oliver Hookins <ohookins@gmail.com>
Oliver Powell <oliverpowell84@gmail.com>
Oliver Stenbom <oostenbom@pivotal.io>
Oliver Tonnohofer <olt@bogosoft.com>
Olivier Antoine <olivier.antoine@gmail.com>
Olivier Duperray <duperray.olivier@gmail.com>
Olivier Poitrey <rs@dailymotion.com>
Philipp Stephani <phst@google.com>
Pierre Durand <pierrerdurand@gmail.com>
Pierre Prinetti <pierreprinetti@gmail.com>
Pierre Rouillon <pierre.rouillon@gmail.com>
Piers <google@hellopiers.pro>
Pieter Droogendijk <pieter@bink.org.uk>
Pietro Gagliardi <pietro10@mac.com>
Piyush Mishra <piyush@codeitout.com>
Plekhanov Maxim <kishtatix@gmail.com>
Pontus Leitzler <leitzler@gmail.com>
Prasanna Swaminathan <prasanna@mediamath.com>
Prashant Agrawal <prashant.a.vjti@gmail.com>
Prashant Varanasi <prashant@prashantv.com>
Pravendra Singh <hackpravj@gmail.com>
Preetam Jinka <pj@preet.am>
Pure White <wu.purewhite@gmail.com>
Qais Patankar <qaisjp@gmail.com>
Qiaxuan Zhu <slsh1022@gmail.com>
Quan Tran <qeed.quan@gmail.com>
Quan Yong Zhai <qyzhai@gmail.com>
Quentin Perez <qperez@ocs.online.net>
Quentin Renard <contact@asticode.com>
Quentin Smith <quentin@golang.org>
Quinn Slack <sqs@sourcegraph.com>
Quinten Yearsley <qyearsley@chromium.org>
Quoc-Viet Nguyen <afelion@gmail.com>
Radek Sohlich <sohlich@gmail.com>
Radu Berinde <radu@cockroachlabs.com>
Rafal Jeczalik <rjeczalik@gmail.com>
Ragavendra Nagaraj <jamdagni86@gmail.com>
Rahul Chaudhry <rahulchaudhry@chromium.org>
Raif S. Naffah <go@naffah-raif.name>
Rajat Goel <rajat.goel2010@gmail.com>
Rajath Agasthya <rajathagasthya@gmail.com>
Rajender Reddy Kompally <rajenderreddykompally@gmail.com>
Ralph Corderoy <ralph@inputplus.co.uk>
Ramazan AYYILDIZ <rayyildiz@gmail.com>
Ramesh Dharan <dharan@google.com>
Raph Levien <raph@gmail.com>
Raphael Geronimi <raphael.geronimi@gmail.com>
Raul Silvera <rsilvera@gmail.com>
Ravl Bikbulatorov <weeellz12@gmail.com>
RaviTeja Pothana <ravitezu@gmail.com>
Ray Tung <rtung@thoughtworks.com>
Raymond Kazlauskas <raima220@gmail.com>
Rebecca Stambler <rstambler@golang.org>
Reilly Watson <reillywatson@gmail.com>
Reinaldo de Souza Jr <juniorz@gmail.com>
Spring Mc <heresy.mc@gmail.com>
Srdjan Petrovic <spetrovic@google.com>
Sridhar Venkatakrishnan <sridhar@laddoo.net>
Srinidhi Kaushik <shrinidhi.kaushik@gmail.com>
StalkR <stalkr@stalkr.net>
Stan Schwertly <stan@schwertly.com>
Stanislav Afanasev <php.progger@gmail.com>
Steeve Morin <steeve.morin@gmail.com>
Stefan Baebler <sbaebler@outbrain.com>
Stefan Nilsson <snilsson@nada.kth.se> <trolleriprofessor@gmail.com>
Stephan Shabalin <neverliberty@gmail.com>
Stephan Renatus <srenatus@chef.io>
Stephan Zuercher <zuercher@gmail.com>
Stephane Travostino <stephane.travostino@gmail.com>
Stephen Lewis <stephen@sock.org.uk>
Stephen Lu <stuehs@users.noreply.github.com>
Stephen Ma <stephenn@golang.org>
Stephen McQuay <stephen@mcquay.me>
Stephen Searles <stephens2424@gmail.com>
Stephen Weinberg <stephen@q5comm.com>
Steve Francia <spf@golang.org>
Steve Gilbert <stevegilbert23@gmail.com>
Steve LoFurno <slofurno@gmail.com>
Steve McCoy <mccoyst@gmail.com>
Steve Mynott <steve.mynott@gmail.com>
Steve Newman <snewman@google.com>
Steve Phillips <elimisteve@gmail.com>
Steve Streeter <steve@stevestreetering.com>
Steven Buss <sbuss@google.com>
Steven Eliot Harris <seharris@gmail.com>
Steven Erenst <stevenerenst@gmail.com>
Steven Hartland <steven.hartland@multiplay.co.uk>
Steven Littiebrant <imgroxx@gmail.com>
Steven Wilkin <stevenwilkin@gmail.com>
Stuart Jansen <sjansen@buscaluz.org>
Sue Spence <virtuallysue@gmail.com>
Sugu Sougoumarane <ssougou@gmail.com>
Suharsh Sivakumar <suharshs@gmail.com>
Sukrit Handa <sukrit.handa@utoronto.ca>
Sunny <me@darkowlzz.space>
Suriyaa Sundararuban <suriyaasundararuban@gmail.com>
Suyash <dextrous93@gmail.com>
Suzy Mueller <suzmue@golang.org>
Sven Almgren <sven@tras.se>
Sven Blumenstein <svbl@google.com>
Sven Taute <sven.taute@gmail.com>
Sylvain Zimmer <sylvain@sylvainzimmer.com>
Syohei YOSHIDA <syohex@gmail.com>
Thordur Bjornsson <thorduri@secnorth.net>
Tiago Queiroz <contato@tiago.eti.br>
Tianji Wu <the729@gmail.com>
Tianon Gravi <admwiggin@gmail.com>
Tilman Dilo <tilman.dilo@gmail.com>
Tim Cooijmans <timcooijmans@gmail.com>
Tim Cooper <tim.cooper@layeh.com>
Tim Ebringer <tim.ebringer@gmail.com>
Tim Heckman <t@heckman.io>
Tim Henderson <tim.tadh@gmail.com>
Tim Hockin <thockin@gmail.com>
Tim Swast <swast@gmail.com>
Tim Wright <tenortim@gmail.com>
Tim Xu <xiaoxubeii@gmail.com>
Timo Savola <timosavola@gmail.com>
Timo Truyts <alkaloid.btx@gmail.com>
Timothy Studd <tim@timstudd.com>
Tipp Moseley <tipp@gmail.com>
Tobias Assarsson <tobias.assarsson@gmail.com>
Tobias Columbus <tobias.columbus@gmail.com> <tobias.columbus@gmail.com>
Tobias Klauser <tklauser@distanz.ch>
Toby Burress <kurin@gmail.com>
Todd Kulesza <kulesza@gmail.com>
Todd Neal <todd@tneal.org>
Todd Wang <toddwang@gmail.com>
Tom Anthony <git@tomanthony.co.uk>
Tom Bergan <tombergan@gmail.com>
Tom Heng <zhm20070928@gmail.com>
Tom Lanyon <tomlanyon@gmail.com>
Tom Levy <tomlevy93@gmail.com>
Tom Limoncelli <tal@whatexit.org>
Tom Linford <tomlinford@gmail.com>
Tom Payne <twpayne@gmail.com>
Tom Szymanski <tgs@gmail.com>
Tom Thorogood <me+google@tomthorogood.co.uk>
Tom Wilkie <tom@weave.works>
Tomas Dabasinskas <tomas@dabasinskas.net>
Tommy Schaefer <tommy.schaefer@teecom.com>
Tomohiro Kusumoto <zabio1192@gmail.com>
Tomoya Ishizaki <zaq1tomo@gmail.com>
Tonis Tiigi <tonistiigi@gmail.com>
Tony Reix <tony.reix@bull.net>
Tony Walker <walkert.uk@gmail.com>
Tooru Takahashi <tooru.takahashi134@gmail.com>
Tor Andersson <tor.andersson@gmail.com>
Tormod Erevik Lea <tormodlea@gmail.com>
Toshihiro Shiino <shiino.toshihiro@gmail.com>
Toshiki Shima <hayabusa1419@gmail.com>
Wu Yunzhou <yunzhouwu@gmail.com>
Xi Ruoyao <xry23333@gmail.com>
Xia Bin <snyh@snyh.org>
Xiangdong Ji <xiangdong.ji@arm.com>
Xing Xing <mikespook@gmail.com>
Xinggang Bai <bxq2011hust@qq.com>
Xu Fei <badgangkiller@gmail.com>
Xudong Zhang <felixmelon@gmail.com>
Xudong Zheng <7pkvm5aw@slicealias.com>
Xuyang Kang <xuyangkang@gmail.com>
Yamagishi Kazutoshi <ykzts@desire.sh>
Yan Zou <yzou@gmail.com>
Yang Tian <linuxty@gmail.com>
Yann Hodique <yhodique@gmail.com>
Yann Kerherv <yann.kerherve@gmail.com>
Yann Salan <yannsalaun1@gmail.com>
Yao Zhang <lunaria21@gmail.com>
Yaron de Leeuw <jarondl@gmail.com>
Yasha Bubnov <girokompas@gmail.com>
Yasser Abdolmaleki <yasser@yasser.ca>
Yasuhiro Goto <matope.ono@gmail.com>
Yasuhiro Matsumoto <mattn.jp@gmail.com>
Yasuuki Oka <yasuyk@gmail.com>
Yazhen Shunnnar <yazhen.shunnnar@gmail.com>
Yestin Sun <ylh@pdx.edu>
Y esse Mangalapilly <yesudeep@gmail.com>
Yissakhar Z. Beck <yissakhar.beck@gmail.com>
Yo-An Lin <yoanlin93@gmail.com>
Yohei Takeda <yo.tak0812@gmail.com>
Yongjian Xu <si3dmaster@gmail.com>
Yorman Arias <eixtords@gmail.com>
Yoshiyuki Kanno <nekotaroh@gmail.com> <yoshiyuki.kanno@stoic.co.jp>
Yoshiyuki Mineo <yoshiyuki.mineo@gmail.com>
Yosuke Akatsuka <yosuke.akatsuka@gmail.com>
Yu Heng Zhang <annita.zhang@cn.ibm.com>
Yu Xuan Zhang <zyxsh@cn.ibm.com>
Yuichi Nishiwaki <yuichi.nishiwaki@gmail.com>
Yuji Yaginuma <yuji.yaginuma@gmail.com>
Yuki OKUSHI <huyuumi.dev@gmail.com>
Yuki Yugui Sonoda <yugui@gmail.com>
Yukihiro Nishinaka <6elpinal@gmail.com>
Yury Smolsky <yury@smolsky.by>
Yusuke Kagiwada <block.rxckin.beats@gmail.com>
Yuusei Kuwana <kuwana@kumama.org>
Yuval Pavel Zholkover <paulzhol@gmail.com>
Yves Junqueira <yvesj@gmail.com> <yves.junqueira@gmail.com>
Zac Bergquist <zbbergquist99@gmail.com>
Zach Bintliff <zbintliff@gmail.com>
Zach Gershman <zachgersh@gmail.com>
Zach Jones <zachj1@gmail.com>
Zachary Amsden <zach@thundertoken.com>
Zachary Gershman <zgershman@pivotal.io>
Zak <zrjknill@gmail.com>
Zakatell Kanda <hi@zkanda.io>
Zellyn Hunter <zellyn@squareup.com> <zellyn@gmail.com>
Zev Goldstein <zev.goldstein@gmail.com>
Zheng Dayu <davidzheng23@gmail.com>
Zheng Xu <zheng.xu@arm.com>
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Zhongtao Chen <chenzhongtao@126.com>
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Ziad Hatahet <hatahet@gmail.com>
Ziheng Liu <lzhfromustc@gmail.com>
Zorion Arrizabalaga <zorionk@gmail.com>
<a.maksadbek@gmail.com>
<max.faceless.frei@gmail.com>
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Tipp Moseley <tipp@google.com>
Hyoun Kyu Cho <netforce@google.com>
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1.1527 apache-log4j 1.2.8

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set yrange [0:]
set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
set style fill solid border -1

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* /opt/cola/permits/1136647660_1613845946.28/0/jxmpp-jid-0-6-4-sources-1-jar/org/jxmpp/jid/parts/package-info.java
* /opt/cola/permits/1136647660_1613845946.28/0/jxmpp-jid-0-6-4-sources-1-jar/org/jxmpp/jid/impl/package-info.java

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pnm2png / png2pnm --- conversion from PBM/PGM/PPM-file to PNG-file

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1.1547 guava 29.0-jre

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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collect/ForwardingDeque.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collect/AbstractSortedKeySortedSetMultimap.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collect/ForwardingImmutableList.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collect/CompactHashSet.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collect/CompactHashMultiset.java
jar/com/google/common/collection/FilteredKeyListMultimap.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29.0-jre-sources-3-
  jar/com/google/common/collection/FilteredListMultimap.java
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  jar/com/google/common/collection/RangeMap.java
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  jar/com/google/common/collection/SortedMultisetBridge.java
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* /opt/cola/permits/110737159_1606846951.59/0/guava-29.0-jre-sources-3-
  jar/com/google/common/collection/UnmodifiableSortedMultiset.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29.0-jre-sources-3-
  jar/com/google/common/collection/TreeRangeMap.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29.0-jre-sources-3-
  jar/com/google/common/collection/RegularImmutableAsList.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29.0-jre-sources-3-
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  jar/com/google/common/collection/TreeTraverser.java

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* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/base/FinalizableReference.java
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* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/base/Predicate.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/io/CountingOutputStream.java
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* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/base/Thowables.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/util/concurrent/ConcurrentMap.java
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* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/base/Throwables.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/io/LittleEndianDataInputStream.java
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  jar/com/google/common/graph/IncidentEdgeSet.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/eventbus/Dispatcher.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collect/ImmutableListMultimap.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collect/RegularImmutableBiMap.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3
jar/com/google/common/collection/ImmutableMapEntrySet.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/UnmodifiableIterator.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/ImmutableCollection.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/Serialization.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/EmptyImmutableListMultimap.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/PeekingIterator.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/ImmutableMapValues.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/Table.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/thirdparty/publicsuffix/PublicSuffixPatterns.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/ImmutableEntry.java
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* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/ImmutableSortedSet.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/CollectPreconditions.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/ImmutableMultimap.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/ImmutableBiMap.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/Tables.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/Range.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/StandardRowSortedTable.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/SingletonImmutableBiMap.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/TreeBasedTable.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/Platform.java
* /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collection/RegularImmutableMap.java

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 *
 * As of 2010/06/11, this method is identical to the (package private) hash method in OpenJDK 7's
 * java.util.HashMap class.
 */

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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/util/concurrent/CombinedFuture.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/util/concurrent/AggregateFutureState.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/util/concurrent/AsyncCallable.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/util/concurrent/Platform.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/hash/FarmHashFingerprint64.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/hash/LittleEndianByteArray.java

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/**
* Holder for web specializations of methods of { @code Doubles}. Intended to be empty for regular
* version.
*/

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  */opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collect/ForwardingTable.java
  */opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collect/ImmutableSortedMap.java
  */opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collect/DiscreteDomain.java
  */opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collect/ComputationException.java
  */opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collect/AbstractIndexedListIterator.java
  */opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collect/ImmutableClassToInstanceMap.java
  */opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collect/ImmutableAsList.java
  */opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collect/SingletonImmutableTable.java
  */opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collect/EmptyImmutableSetMultimap.java
  */opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collect/ImmutableTable.java
  */opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collect/RegularImmutableList.java
  */opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collect/SingletonImmutableList.java
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jar/com/google/common/collect/RegularImmutableSortedSet.java
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jar/com/google/common/collect/ImmutableSetMultimap.java
  */opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collect/ImmutableEnumSet.java
  */opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collect/ImmutableSortedSetFauxverideShim.java
  */opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collect/ComparisonChain.java
  */opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collect/RegularImmutableSortedSet.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/hash/ImmutableSupplier.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/collect/JdkBackedImmutableSet.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collect/SortedIterables.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collect/GeneralRange.java
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  jar/com/google/common/io/MoreFiles.java
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  jar/com/google/common/util/concurrent/Runnables.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
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*/

/* This following method is a modified version of one found in
* http://gee.cs.oswego.edu/cgi-bin/viewcvs.cgi/jsr166/src/test/tck/AbstractExecutorServiceTest.java?revision=1.30
* which contained the following notice:
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/util/concurrent/MoreExecutors.java
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*/
/
/*
* This method was rewritten in Java from an intermediate step of the Murmur hash function in
* http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
* following header:
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  jar/com/google/common/base/SmallCharMatcher.java
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 */

/**
 * Returns an array containing all of the elements in the specified collection. This method
 * returns the elements in the order they are returned by the collection's iterator. The returned
 * array is "safe" in that no references to it are maintained by the collection. The caller is
 * thus free to modify the returned array.
 *
 * <p>This method assumes that the collection size doesn't change while the method is running.
 * 
 * <p>TODO(kevinb): support concurrently modified collections?
 * 
 * @param c the collection for which to return an array of elements
 */
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Found in path(s):
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/ObjectArrays.java

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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/MinMaxPriorityQueue.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/SortedMapDifference.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/RowSortedTable.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/ForwardingImmutableCollection.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/ForwardingSortedSetMultimap.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/AbstractSequentialIterator.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/UnmodifiableListIterator.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/ForwardingSetMultimap.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
jar/com/google/common/collection/ForwardingListMultimap.java

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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/StandardMutableValueGraph.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/AbstractGraph.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/StandardNetwork.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/MutableValueGraph.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/MapRetrievalCache.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/collect/ImmutableMultisetGwtSerializationDependencies.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/AbstractGraphBuilder.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/EndpointPairIterator.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/collect/CollCollectors.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/GraphBuilder.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/GraphConnections.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/DirectedGraphConnections.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/EndpointPair.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/ForwardingGraph.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/NetworkConnections.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/ForwardingNetwork.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/MultiEdgesConnecting.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-
  jar/com/google/common/graph/AbstractUndirectedNetworkConnections.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/graph/ElementOrder.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/util/concurrent/RateLimiter.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/cache/LongAddables.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/math/StatsAccumulator.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/reflect/TypeToInstanceMap.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/reflect/Element.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/io/ByteSink.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/io/FileWriteMode.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/escape/package-info.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/math/PairedStatsAccumulator.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/hash/AbstractByteHasher.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/io/CharSink.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/graph/SuccessorsFunction.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/graph/Network.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/io/RecursiveDeleteOption.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/graph/MutableNetwork.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/graph/PredecessorsFunction.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/collect/TopKSelector.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/graph/ImmutableNetwork.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/graph/Graph.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/graph/MutableGraph.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3-jar/com/google/common/io/InsecureRecursiveDeleteException.java
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 */
/**
 * Not supported. <b>You are attempting to create a map that may contain a non-[@code Comparable]</b>
 * key.</b> Proper calls will resolve to the version in [@code ImmutableSortedMap], not this dummy
 * version.
 *
 * @throws UnsupportedOperationException always
 * @deprecated <b>Pass a key of type [@code Comparable] to use [@link
 * ImmutableSortedMap#of(Comparable, Object)].</b>
 */

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jar/com/google/common/graph/Graphs.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/collections/AbstractSortedMultiset.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/hash/HashingOutputStream.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/primitives/UnsignedLongs.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/math/LongMath.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/hash/HashFunction.java
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* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/collections/EmptyContiguousSet.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/cache/CacheStats.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/hash/Hasher.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/base/Enums.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/cache/LoadingCache.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/hash/Murmur3_128HashFunction.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/math/MathPreconditions.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/cache/RemovalCause.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/util/concurrent/ExecutionError.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/net/MediaType.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/cache/RemovalListener.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/collections/AbstractSortedMultiset.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/hash/HashingOutputStream.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/primitives/UnsignedLongs.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/math/LongMath.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/hash/PrimitiveSink.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/hash/HashFunction.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/base/Present.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/collections/EmptyContiguousSet.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/cache/CacheStats.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/hash/Hasher.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/base/Enums.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/cache/LoadingCache.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/hash/Murmur3_128HashFunction.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/math/MathPreconditions.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/cache/RemovalCause.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/util/concurrent/ExecutionError.java
* /opt/cola/permits/1110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/net/MediaType.java
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- /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/base/PairwiseEquivalence.java
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- /opt/cola/permits/110737159_1606846951.59/0/guava-29-0-jre-sources-3.jar/com/google/common/reflect/Types.java
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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
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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public static final ProtocolName WEBRTC_CONFIDENTIAL = asUtf8Encoding("c-webrtc");

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* /opt/cola/permits/1137933172_1614175016.68/0/bctls-fips-1-0-10-sources-2-jar/org/bouncycastle/tls/ProtocolName.java

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 */

size: 8388608, sector size: 512, PT: dos, offset: 446, id=0x8f8378c0
---
#1: 32 7648 0x83
#2: 7680 8704 0xa5
#5: 7936 4864 0x7 (freebsd)
#6: 12544 3584 0x7 (freebsd)

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---layout--------
__ts_dev__ : 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

<table>
<thead>
<tr>
<th>Device Boot</th>
<th>Start</th>
<th>End</th>
<th>Blocks</th>
<th>Id</th>
<th>System</th>
</tr>
</thead>
<tbody>
<tr>
<td>__ts_dev__1</td>
<td>2048</td>
<td>4095</td>
<td>1024</td>
<td>83</td>
<td>Linux</td>
</tr>
</tbody>
</table>

Create 1st primary partition
ada64ace122978d00d1d1c0e5ee45d26 bsd.img

---layout--------
__ts_dev__ : 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
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<td>83</td>
<td>Linux</td>
</tr>
<tr>
<td>__ts_dev__2</td>
<td>4096</td>
<td>20479</td>
<td>8192</td>
<td>a5</td>
<td>FreeBSD</td>
</tr>
</tbody>
</table>

Create 2st primary partition
1beb87248e05d6e4e62b749da65d023 bsd.img
Set 2nd partition type
2d8e8df51a88a045db233418dd73fbe bsd.img

---layout--------
__ts_dev__ : 10 MB, 10485760 bytes, 20480 sectors
Units = sectors of 1 * 512 = 512 bytes
Sector size (logical/physical): 512 bytes / 512 bytes
I/O size (minimum/optimal): 512 bytes / 512 bytes
Disk label type: dos
Disk identifier: 0x00000001

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<td>1024</td>
<td>83</td>
<td>Linux</td>
</tr>
<tr>
<td>__ts_dev__2</td>
<td>4096</td>
<td>20479</td>
<td>8192</td>
<td>a5</td>
<td>FreeBSD</td>
</tr>
</tbody>
</table>

Create default BSD
2e1cee529cb59c9341afe0443f196a1 bsd.img
---layout----------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
#      start      end      size     fstype   [fsize bsize   cpg]
c: 4096     20479     16384     unused        0     0
d: 0     16064     16065     unused        0     0

BSD disklabel command (m for help):
Command (m for help):
-------------------

b5c121c2091b2ff26b880551feac7112 bsd.img

---layout----------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
4 partitions:
#      start      end      size     fstype   [fsize bsize   cpg]
a: 4096      6144      2049     4.2BSD        0     0     0
c: 4096     20479     16384     unused        0     0
d: 0     16064     16065     unused        0     0

BSD disklabel command (m for help):
Command (m for help):
-------------------

Changes will remain in memory only, until you decide to write them.
Be careful before using the write command.

Command (m for help):

BSD disklabel command (m for help):
1.1563 asm 5.0.4

1.1563.1 Available under license:

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* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/util/package.html
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/package.html
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* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/xml/SAXAdapter.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/xml/SAXAnnotationAdapter.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/xml/Processor.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/xml/SAXFieldAdapter.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/xml/ASMContentHandler.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-
jar/org/objectweb/asm/xml/SAXCodeAdapter.java
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/**
* Creates a new JSRInliner. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the
* [JSRInlinerAdapter(int, MethodVisitor, int, String, String, String, String[])]
* version.
*
* @param mv
* the <code>MethodVisitor</code> to send the resulting inlined
* method code to (use <code>null</code> for none).
* @param access
* the method's access flags (see [link Opcodes]). This
* parameter also indicates if the method is synthetic and/or
* deprecated.
* @param name
* the method's name.
* @param desc

* the method's descriptor (see [link Type]).
* @param signature
* the method's signature. May be <tt>null</tt>.
* @param exceptions
* the internal names of the method's exception classes (see
* { [link Type#getInternalName() getInternalName ]}. May be
* <tt>null</tt>.
* @throws IllegalStateException
* If a subclass calls this constructor.
*/

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*/
/**
 * Creates a new [@link GeneratorAdapter]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * [@link #GeneratorAdapter(int, MethodVisitor, int, String, String)]
 * version.
 *
 * @param mv
 * the method visitor to which this adapter delegates calls.
 * @param access
 * the method's access flags (see [@link Opcodes]).
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see [@link Type Type]).
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

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 */
/**
 * Constructs a new [@link Textifier]. &lt;i&gt;Subclasses must not use this
 * constructor&lt;/i&gt;. Instead, they must use the [@link #Textifier(int)]
 * version.
 * @throws IllegalStateException
 * If a subclass calls this constructor.
 */

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*
/**
**
* Constructors a new {@link ClassNode}. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the {@link #ClassNode(int)}
* version.
*
* @throws IllegalStateException
*
* If a subclass calls this constructor.
*/

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* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/ClassNode.java
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*/
/**
 * Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must not use this constructor</i>. Instead, they must use the
 * {@link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)} version.
 * 
 * @param typeRef a reference to the annotated type. See {@link TypeReference}.
 * @param typePath the path to the annotated type argument, wildcard bound, array element type, or static inner type within 'typeRef'. May be <tt>null</tt> if the annotation targets 'typeRef' as a whole.
 * @param start the fist instructions corresponding to the continuous ranges that make the scope of this local variable (inclusive).
 * @param end the last instructions corresponding to the continuous ranges that make the scope of this local variable (exclusive). This array must have the same size as the 'start' array.
 * @param index the local variable's index in each range. This array must have the same size as the 'start' array.
 * @param desc the class descriptor of the annotation class.
 */

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* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/AnnotationWriter.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/analysis/SimpleVerifier.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/optimizer/NameMapping.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/util/Printer.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/commons/Method.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-
jar/org/objectweb/asm/util/CheckAnnotationAdapter.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/commons/RemappingSignatureAdapter.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/commons/RemappingFieldAdapter.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/ClassWriter.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/Attribute.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/MethodInsnNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/MethodVisitor.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/util/TraceFieldVisitor.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/commons/InstructionAdapter.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/ByteVector.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/commons/CodeSizeEvaluator.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/commons/Remapper.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/AbstractInsnNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/Interpreter.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/IntInsnNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/LabelNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/FieldInsnNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/optimizer/ClassConstantsCollector.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/ByteVector.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/CheckFieldVisitor.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/util/CheckSignatureAdapter.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/analysis/BasicValue.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/FieldWriter.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/FieldInsnNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/optimizer/ClassConstantsCollector.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/util/CheckSignatureAdapter.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/analysis/BasicVerifier.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/FieldWriter.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/commons/InstructionAdapter.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/Interpeter.java
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* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/commons/RemappingClassAdapter.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/ClassReader.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/VarInsnNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/commons/RemappingMethodAdapter.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/analysis/Value.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/commons/StaticInitMerger.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/optimizer/AnnotationConstantsCollector.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/AnnotationVisitor.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/signature/SignatureReader.java
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* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/optimizer/JarOptimizer.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/commons/LocalVariablesSorter.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/util/TraceAnnotationVisitor.java
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jar/org/objectweb/asm/optimizer/FieldConstantsCollector.java
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* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/signature/SignatureWriter.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/commons/TryCatchBlockSorter.java
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* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/ClassVisitor.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/tree/FrameNode.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/optimizer/ConstantPool.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/Opcodes.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/util/CheckClassAdapter.java
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/signature/SignatureVisitor.java

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*/opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/util/ASMifiable.java

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*/
***/

/**
* Creates a new [AnalyzerAdapter]. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the
* [AnalyzerAdapter(int, String, int, String, String, MethodVisitor)]
* version.
*
* @param owner
* the owner's class name.
*
* @param access
* the method's access flags (see [Opcodes]).
* @param name
  * the method's name.
* @param desc
  * the method's descriptor (see [@link Type Type]).
* @param mv
  * the method visitor to which this adapter delegates calls. May
  * be <tt>null</tt>.
* @throws IllegalStateException
  * If a subclass calls this constructor.
*/

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* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-
  jar/org/objectweb/asm/commons/AnalyzerAdapter.java
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* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/optimizer/shrink-frames.properties
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/optimizer/shrink-resize.properties
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/optimizer/shrink-signatures.properties
* /opt/cola/permits/1135863767_1613617914.89/0/asm-5-0-4-sources-6-jar/org/objectweb/asm/optimizer/shrink.properties
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1.1570 jackson-databind 2.10.1

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Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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20. [21]Dave Hart <davehart@davehart.com> General maintenance, Windows port interpolation rewrite
21. [22]Claas Hilbrecht <neoclock4x@linum.com> NeoClock4X clock driver
22. [23]Glenn Hollinger <glenn@herald.usask.ca> GOES clock driver
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26. [27]Hans Lambermont <Hans.Lambermont@nl.origin-it.com> or [28]<H.Lambermont@chello.nl> ntpSweep
27. [29]Poul-Henning Kamp <phk@FreeBSD.ORG> Oncore driver (Original author)
28. [30]Frank Kardel [31]<kardel (at) ntp (dot) org> PARSE $<GENERIC> driver (>14 reference clocks), STREAMS modules for PARSE, support scripts, syslog cleanup, dynamic interface handling
29. [32]William L. Jones <jones@hermes.chpc.utexas.edu> RS/6000 AIX modifications, HPUX modifications
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31. [34]Craig Leres <lleres@ee.lbl.gov> 4.4BSD port, ppsclock, Magnavox
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44. [48] Dirce Richards <dirce@zk3.dec.com> Digital UNIX V4.0 port
45. [49] Wilfredo Sanchez <wsanchez@apple.com> added support for NetInfo
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47. [51] Jack Sasportas <jack@innovativeinternet.com> Saved a Lot of space on the stuff in the html/pic/subdirectory
48. [52] Ray Schnitzler <schnitz@unipress.com> Unixware1 port
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50. [54] Jeff Steinman <jss@pebbles.jpl.nasa.gov> Datum PTS clock driver
51. [55] Harlan Stenn <harlan@pfcs.com> GNU automake/autoconfigure makeover, various other bits (see the ChangeLog)
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54. [58] Tomoaki TSURUOKA <tsuruoka@nc.fukuoka-u.ac.jp> TRAK clock driver
55. [59] Paul A Vixie <vixie@vix.com> TrueTime GPS driver, generic TrueTime clock driver
56. [60] Ulrich Windl <Ulrich.Windl@rz.uni-regensburg.de> corrected and validated HTML documents according to the HTML DTD

References

1. mailto:%20takao_abe@xurb.jp
2. mailto:%20mark_andrews@isc.org
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 *
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* /opt/cola/permits/1000764773_1646171571.0/0/openws-1-5-4-sources-jar/org/opensaml/ws/wstrust/impl/WSTrustObject.java


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</ul>
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 */
/**
 * Indicates whether this encoder, given the current message context, provides end-to-end message confidentiality.
 *
 * @param messageContext the current message context
 * 
 * @return true if the encoder provides end-to-end message confidentiality, false if not
 * 
 * @throws MessageEncodingException thrown if the encoder encounter an error while attempt to evaluate its
 * ability
 * 
 * to provide message confidentiality.
 */

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1.1.xsd

1.1579 lzo 2.06 8.el7
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1.1582 lua 5.2.2

1.1583 coreutils 8.22 23.el7

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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
'
#---------------------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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Version 2.1, February 1999

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

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

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

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

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

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Christian Hammers <ch@debian.org>.

The MariaDB packages were initially made by http://ourdelta.org/, and
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1.1586 jaxp-api 1.4.2

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@extref{AkkaBuild.scala}(github:project/AkkaBuild.scala#L1054)

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

Other developers who have contributed code are:

* Brian Langel
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jar/org/owasp/esapi/reference/accesscontrol/FileBasedACRs.java

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Found in path(s):
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-
jar/org/owasp/esapi/tags/BaseEncodeTag.java
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-
The method is ESAPI's Key Derivation Function (KDF) that computes a derived key from the \{keyDerivationKey\} for either encryption / decryption or for authentication.

**CAUTION:** If this algorithm for computing derived keys from the key derivation key is ever changed, we risk breaking backward compatibility of being able to decrypt data previously encrypted with earlier / different versions of this method. Therefore, do not change this unless you are 100% certain that what you are doing will NOT change either of the derived keys for ANY "key derivation key" AT ALL!!!

**NOTE:** This method is generally not intended to be called separately. It is used by ESAPI's reference crypto implementation class \{JavaEncryptor\} and might be useful for someone implementing their own replacement class, but generally it is not something that is useful to application client code.

@keyDerivationKey A key used as an input to a key derivation function to derive other keys. This is the key that generally is created using some key generation mechanism such as \{generateSecretKey(String, int)\}. The "input" key from which the other keys are derived.

The derived key will have the same algorithm type as this key.

@keySize The cipher's key size (in bits) for the \{keyDerivationKey\}. Must have a minimum size of 56 bits and be an integral multiple of 8-bits.

@purpose The purpose for the derived key. Must be either the string "encryption" or "authenticity". Use "encryption" for creating a derived key to use for confidentiality, and "authenticity" for a derived key to use with a MAC to ensure message authenticity.

@return The derived \{SecretKey\} to be used according to the specified purpose. Note that this serves the same purpose as "label" in section 5.1 of NIST SP 800-108.

@throws NoSuchAlgorithmException The \{keyDerivationKey\} has an unsupported encryption algorithm or no current JCE provider supports "HmacSHA1".

@throws EncryptionException If "UTF-8" is not supported as an encoding, then this is thrown with the original \{UnsupportedEncodingException\} as the cause. (NOTE: This should never happen as "UTF-8" is supposed to be a common encoding supported by all Java implementations. Support
for it is usually in rt.jar.)
* @throws InvalidKeyException Likely indicates a coding error. Should not happen.
* @throws EncryptionException Throw for some precondition violations.
* @deprecated Use {@code KeyDerivationFunction} instead. This method will be removed as of
* ESAPI release 2.1 so if you are using this, please change your code.
*/
/**
* Return true if specified cipher mode is one of those specified in the
* [{@code ESAPI.properties}] file that supports both confidentiality
* <b>and</b> authenticity (i.e., a "combined cipher mode" as NIST refers
* to it).
* @param cipherMode The specified cipher mode to be used for the encryption
* or decryption operation.
* @return true if the specified cipher mode is in the comma-separated list
* of cipher modes supporting both confidentiality and authenticity;
* otherwise false.
* @see org.owasp.esapi.SecurityConfiguration#getCombinedCipherModes()
*/

Found in path(s):
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-
  jar/org/owasp/esapi/crypto/CryptoHelper.java
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Found in path(s):
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-
  jar/org/owasp/esapi/filters/SecurityWrapperRequest.java
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-
  jar/org/owasp/esapi/filters/SecurityWrapperResponse.java
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* @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
* @author kevin.w.wall@gmail.com
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*/

// Using cipher mode that supports *both* confidentiality *and* authenticity? If so, then
// If we are using a "preferred" cipher mode--i.e., one that supports *both* confidentiality and

Found in path(s):
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-
jar/org/owasp/esapi/reference/crypto/JavaEncryptor.java
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 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2007
 */
/**
 * Executes a system command after checking that the executable exists and
 * escaping all the parameters to ensure that injection is impossible.
 * Implementations must change to the specified working
 * directory before invoking the command.
 *
 * @param executable
 * the command to execute
 * @param params
 * the parameters of the command being executed
 * @param workdir
 * the working directory
* @param codec
  * the codec to use to encode for the particular OS in use
* @param logParams
  * use false if any parameters contains sensitive or confidential information
*
* @return the output of the command being run
*
* @throws ExecutorException
  * the service exception
*/

Found in path(s):
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/Executor.java

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 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2007
 */
/**
 * Return a { @code List} of strings of combined cipher modes that support
 * <b>both</b> confidentiality and authenticity. These would be preferred
 * cipher modes to use if your JCE provider supports them. If such a
 * cipher mode is used, no explicit <i>separate</i> MAC is calculated as part of
 * the { @code CipherText} object upon encryption nor is any attempt made
 * to verify the same on decryption.
 * </p>
 * The list is taken from the comma-separated list of cipher modes specified
 * by the ESAPI property
 * { @code Encryptor.cipher_modes.combined_modes}.
 *
 * @return The parsed list of comma-separated cipher modes if the property
 * was specified in { @code ESAPI.properties}; otherwise the empty list is
 * returned.
 */
Found in path(s):
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2.jar/org/owasp/esapi/SecurityConfiguration.java
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Found in path(s):
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Found in path(s):
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/**
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 */
The method is ESAPI's Key Derivation Function (KDF) that computes a derived key from the `keyDerivationKey` for either encryption / decryption or for authentication.

* <p>

* <b>CAUTION:</b> If this algorithm for computing derived keys from the key derivation key is <i>ever</i> changed, we risk breaking backward compatibility of being able to decrypt data previously encrypted with earlier / different versions of this method. Therefore, do not change this unless you are 100% certain that what you are doing will NOT change either of the derived keys for ANY "key derivation key" AT ALL!!!

* <p>

* <b>NOTE:</b> This method is generally not intended to be called separately. It is used by ESAPI's reference crypto implementation class `JavaEncryptor` and might be useful for someone implementing their own replacement class, but generally it is not something that is useful to application client code.

* @param keyDerivationKey A key used as an input to a key derivation function to derive other keys. This is the key that generally is created using some key generation mechanism such as `CryptoHelper#generateSecretKey(String, int)`. The "input" key from which the other keys are derived. The derived key will have the same algorithm type as this key. This KDK cannot be null.

* @param keySize The cipher's key size (in bits) for the `keyDerivationKey`. Must have a minimum size of 56 bits and be an integral multiple of 8-bits.

* <b>Note:</b> The derived key will have the same size as this.

* @param purpose The purpose for the derived key. For the ESAPI reference implementation, `JavaEncryptor`, this must be either the string "encryption" or "authenticity", where "encryption" is used for creating a derived key to use
for confidentiality, and "authenticity" is used for creating a derived key to
use with a MAC to ensure message authenticity. However, since parameter serves
the same purpose as the "Label" in section 5.1 of NIST SP 800-108, it really can
be set to anything other than [@code null] or an empty string when called outside
of [@code JavaEncryptor].

@throws NoSuchAlgorithmException The [@code keyDerivationKey] has an unsupported
encryption algorithm or no current JCE provider supports
"HmacSHA1".

@throws EncryptionExceptionIf "UTF-8" is not supported as an encoding, then
this is thrown with the original [@code.UnsupportedEncodingException]
as the cause. (NOTE: This should never happen as "UTF-8" is supposed to
be a common encoding supported by all Java implementations. Support
for it is usually in rt.jar.)

@throws InvalidKeyException Likely indicates a coding error. Should not happen.
@throws EncryptionException Throw for some precondition violations.

*/

Found in path(s):
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-
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 * @author Jim Manico (jim@manico.net) a href="http://www.manico.net">Manico.net</a>
 *
 * @created 2007
 */

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* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/reference/DefaultHTTPUtilities.java
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/reference/Log4JLogFactory.java
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/codecs/OracleCodec.java
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-
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 * @created 2007
 */

/* { @inheritDoc */
* The reference implementation sets the work directory, escapes the parameters as per the Codec in use,
* and then executes the command without using concatenation. The exact, absolute, canonical path of each
* executable must be listed as an approved executable in the ESAPI properties. The executable must also
* exist on the disk. All failures will be logged, along with parameters if specified. Set the logParams to false if
* you are going to invoke this interface with confidential information.
*/

Found in path(s):
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-
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/**
 * Encodes and decodes to and from Base64 notation.</p>
 * <p>Homepage: <a href="http://iharder.net/base64">http://iharder.net/base64</a>.</p>
 * <p>The <tt>options</tt> parameter, which appears in a few places, is used to pass
 * several pieces of information to the encoder. In the "higher level" methods such as
 * encodeBytes( bytes, options ) the options parameter can be used to indicate such
 * things as first gzipping the bytes before encoding them, not inserting linefeeds
 * (though that breaks strict Base64 compatibility), and encoding using the URL-safe
 * and Ordered dialects.</p>
 *<p>The constants defined in Base64 can be OR-ed together to combine options, so you
 * might make a call like this:</p>
 *<code>String encoded = Base64.encodeBytes( mybytes, Base64.GZIP | Base64.DONT_BREAK_LINES
 * );</code></p>
 *<p>to compress the data before encoding it and then making the output have no newline characters.</p>
 *
 *<p>Change Log:</p>
 */
<ul>
<li>v2.2.2 - Fixed encodeFileToFile and decodeFileToFile to use the
Base64.InputStream class to encode and decode on the fly which uses
less memory than encoding/decoding an entire file into memory before writing.</li>
<li>v2.2.1 - Fixed bug using URL_SAFE and ORDERED encodings. Fixed bug
when using very small files (~< 40 bytes).</li>
<li>v2.2 - Added some helper methods for encoding/decoding directly from
one file to the next. Also added a main() method to support command line
encoding/decoding from one file to the next. Also added these Base64 dialects:
</li>
<li>The default is RFC3548 format.</li>
<li>Calling Base64.setFormat(Base64.BASE64_FORMAT.URLSAFE_FORMAT) generates
* URL and file name friendly format as described in Section 4 of RFC3548.
* http://www.faqs.org/rfcs/rfc3548.html
* Calling Base64.setFormat(Base64.BASE64_FORMAT.ORDERED_FORMAT) generates
* URL and file name friendly format that preserves lexical ordering as described
* in http://www.faqs.org/qa/rfcq-1940.html
* </ol>
* Special thanks to Jim Kellerman at <a href="http://www.powerset.com">http://www.powerset.com</a>
* for contributing the new Base64 dialects.
* </li>
* </ul>
* v2.1 - Cleaned up javadoc comments and unused variables and methods. Added
* some convenience methods for reading and writing to and from files.</li>
* v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems
* with other encodings (like EBCDIC).</li>
* v2.0.1 - Fixed an error when decoding a single byte, that is, when the
* encoded data was a single byte.</li>
* v2.0 - I got rid of methods that used booleans to set options.
* Now everything is more consolidated and cleaner. The code now detects
* when data that's being decoded is gzip-compressed and will decompress it
* automatically. Generally things are cleaner. You'll probably have to
* change some method calls that you were making to support the new
* options format (int that you "OR" together).</li>
* v1.5.1 - Fixed bug when decompressing and decoding to a
* byte[] using decode( String s, boolean gzipCompressed ).
* Added the ability to "suspend" encoding in the Output Stream so
* you can turn on and off the encoding if you need to embed base64
* data in an otherwise "normal" stream (like an XML file).</li>
* v1.5 - Output stream passes on flush() command but doesn't do anything itself.
* This helps when using GZIP streams.
* Added the ability to GZip-compress objects before encoding them.</li>
* v1.4 - Added helper methods to read/write files.</li>
* v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.</li>
* v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream
* where last buffer being read, if not completely full, was not returned.</li>
* v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.</li>
* v1.3.3 - Fixed I/O streams which were totally messed up.</li>
* </ul>
* 
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* plenty of well-wishing instead!
* Please visit <a href="http://iharder.net/base64">http://iharder.net/base64</a>
* periodically to check for updates or to contribute improvements.
* </p>
* 
* @author Robert Harder
* @author rob@iharder.net
/**
 * This method adds a provider to the SecurityManager
 * either by some generic name or by the class name.
 */

<p>
* The following generic JCE provider names are built-in:

<ul>
<li>SunJCE</li>
<li>IBMJCE [for WebSphere]</li>
<li>GnuCrypto [for use with GNU Compiler for Java, i.e., gcj]</li>
<li>BC [i.e., Bouncy Castle]</li>
<li>IAIK</li>
<li>CryptixCrypto (or Cryptix)</li>
<li>ABA</li>

</ul>

Note that neither Cryptix or ABA are actively maintained so
it is recommended that you do not start using them for ESAPI
unless your application already has a dependency on them. Furthermore,
the Cryptix JCE jars likely will not work as the Cryptix code signing
certificate has expired as of August 28, 2009. (This likely is true
for ABA, but I can't even find a copy to download!). Lastly, the IAIK
provider is no longer offered as free, open source. It is not a
commercial product. See [link "http://jce.iaik.tugraz.at/" ] for
details. While some older versions were offered free, it is not clear
whether the accompanying license still allows you to use it, and if
it does, whether or not the code signing certificate used to sign
their JCE jar(s) has expired are not. Therefore, if you are looking
for a FOSS alternative to SunJCE, Bouncy Castle
( [@link "http://www.bouncycastle.org/" ] is probably your best bet. The
BC provider does support many the "combined cipher modes" that provide
both confidentiality and authenticity. (See the [@code ESAPI.properties]
property [@code Encryptor.cipher_modes.combined_modes] for details.)

For those working in the U.S. federal government, it should be noted
that <i>none</i> of the providers listed here are considered validated
by NIST's Cryptographic Module Validation Program and are therefore
not considered FIPS 140-2 compliant. There are a few approved
JCE compatible Java libraries that are on NIST's CMVP list, but this
list changes constantly so they are not listed here. For further details
on NIST's CMVP, see
[@link "http://csrc.nist.gov/groups/STM/cmvp/index.html"].

Finally, if you wish to use some other JCE provider not recognized above,
you must specify the provider's fully-qualified class name (which in
turn must have a public, no argument constructor).

The application must be given the [@code SecurityPermission] with a
value of [@code insertProvider.&lt;provider_name&gt;] (where
&lt;provider_name&gt; is the name of the algorithm provider if
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* @author Pawan Singh (pawan.singh@owasp.org) <a href="www.owasp.org">OWASP</a>

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* @created 2008
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* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/errors/EnterpriseSecurityException.java
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/reference/validation/IntegerValidationRule.java
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/errors/ValidationUploadException.java
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/errors/EncodingException.java

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 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2007
 */
/**
* An IntrusionException should be thrown anytime an error condition arises that is likely to be the result of an attack in progress. IntrusionExceptions are handled specially by the IntrusionDetector, which is equipped to respond by either specially logging the event, logging out the current user, or invalidating the current user's account.

* `<P>`

* Unlike other exceptions in the ESAPI, the IntrusionException is a RuntimeException so that it can be thrown from anywhere and will not require a lot of special exception handling.

* `@author Jeff Williams (jeff.williams@aspectsecurity.com)`

`*/`

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*/opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/errors/IntrusionException.java*

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* `@author Chris Schmidt (chris.schmidt@owasp.org)`

* `@created 2010`

`*/`

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* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/errors/EncryptionRuntimeException.java
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* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/waf/actions/BlockAction.java
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/waf/actions/RedirectAction.java
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/waf/rules/EnforceHTTPSRule.java
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/waf/rules/IPRule.java
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/waf/rules/AddHeaderRule.java
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/waf/rules/GeneralAttackSignatureRule.java
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/waf/rules/PathExtensionRule.java
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/waf/rules/InternalInterceptingHTTPServletResponse.java
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-jar/org/owasp/esapi/waf/rules/ReplaceContentRule.java
* /opt/cola/permits/1135953481_1613641250.92/0/esapi-2-1-0-sources-2-
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 * @author Rogan Dawes <a href="http://www.aspectsecurity.com">Aspect Security</a>
 *
 * @created 2008
 */

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1.1595 antlr-runtime 4.6

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* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/misc/NotNull.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/transition/PlusBlockStartState.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/tree/ParseTreeProperty.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/misc/Pair.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/transition/ParseInfo.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/transition/ArrayPredictionContext.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/transition/CommonTokenFactory.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/transition/FailedPredicateException.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/transition/LookaheadEventInfo.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/transition/TokensStartState.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/tree/xpath/XPathElement.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/tree/xpath/XPath.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/transition/ATNSerializer.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/transition/DecisionState.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/transition/LexerATNSimulator.java
* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/transition/ATNSerializer.java
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* /opt/cola/permits/1113034101_1607377129.99/0/antlr4-runtime-4-6-sources-jar/org/antlr/v4/runtime/transition/DecisionState.java
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1.1596 spring-web 3.0.3.RELEASE

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* /opt/cola/permits/1111238228_1606883019.24/0/spring-web-3-0-3-release-sources-1.jar/org/springframework/web/context/request/AbstractRequestAttributes.java
* /opt/cola/permits/1111238228_1606883019.24/0/spring-web-3-0-3-release-sources-1.jar/org/springframework/web/context/request/AbstractRequestAttributesScope.java
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* /opt/cola/permits/1111238228_1606883019.24/0/spring-web-3-0-3-release-sources-1.jar/org/springframework/web/context/support/ContentNegotiationContentAccessResolver.java
* /opt/cola/permits/1111238228_1606883019.24/0/spring-web-3-0-3-release-sources-1.jar/org/springframework/web/context/request/ServletRequestAttributes.java
* /opt/cola/permits/1111238228_1606883019.24/0/spring-web-3-0-3-release-sources-1.jar/org/springframework/web/context/request/WebRequest.java
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* /opt/cola/permits/1111238228_1606883019.24/0/spring-web-3-0-3-release-sources-1.jar/org/springframework/web/context/support/DefaultListableBeanFactoryPostProcessor.java
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* /opt/cola/permits/1111238228_1606883019.24/0/spring-web-3-0-3-release-sources-1.jar/org/springframework/web/multipart/support/AbstractMultipartHttpServletRequest.java
* /opt/cola/permits/1111238228_1606883019.24/0/spring-web-3-0-3-release-sources-1.jar/org/springframework/web/context/support/SpringBeanAutowiringSupport.java
* /opt/cola/permits/1111238228_1606883019.24/0/spring-web-3-0-3-release-sources-1.jar/org/springframework/web/multipart/MultipartHttpServletRequest.java
* /opt/cola/permits/1111238228_1606883019.24/0/spring-web-3-0-3-release-sources-1.jar/org/springframework/web/context/support/ContextExposingHttpServletRequest.java
* /opt/cola/permits/1111238228_1606883019.24/0/spring-web-3-0-3-release-sources-1.jar/org/springframework/web/context/support/RequestHandledEvent.java
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* /opt/cola/permits/1111238228_1606883019.24/0/spring-web-3-0-3-release-sources-1-jar/org/springframework/web/context/support/ServletRequestHandledEvent.java
* /opt/cola/permits/1111238228_1606883019.24/0/spring-web-3-0-3-release-sources-1-jar/org/springframework/web/context/support/Log4jNestedDiagnosticContextInterceptor.java
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* /opt/cola/permits/1111238228_1606883019.24/0/spring-web-3-0-3-release-sources-1-jar/org/springframework/web/bind/annotation/ValueConstants.java
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* /opt/cola/permits/1111238228_1606883019.24/0/spring-web-3-0-3-release-sources-1-jar/org/springframework/web/bind/ServletRequestBindingException.java
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permit developers of non-free programs to use free libraries, while
preserving your freedom as a user of such programs to change the free
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changes in the actual functions of the Library.) The hope is that this
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Note that it is possible for a library to be covered by the ordinary
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*/

Found in path(s):

*/opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/tree/ElementQNameIterator.java
*/opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/tree/ElementIterator.java
*/opt/ws_local/PERMITS_SQL/1034543185_1588830303.8/0/dom4j-2-1-3-sources-jar/org/dom4j/ElementHandler.java
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jar/org/dom4j/ProcessingInstruction.java
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arj/org/dom4j/tree/FlyweightText.java
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jar/org/dom4j/tree/FlyweightComment.java
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### 1.1617 gson 2.7

### 1.1618 jackson-datatype-guava 2.11.2

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* *
* Optimised ANSI C code for the Rijndael cipher (now AES)
* *
* @author Vincent Rijmen <vincent.rijmen@esat.kuleuven.ac.be>
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more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

In other cases, permission to use a particular library in non-free programs enables a greater number of people to use a large body of free software. For example, permission to use the GNU C Library in non-free programs enables many more people to use the whole GNU operating system, as well as its variant, the GNU/Linux operating system.

Although the Lesser General Public License is Less protective of the users’ freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, whereas the latter must be combined with the library in order to run.

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A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification").

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

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a) The modified work must itself be a software library.
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d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful. (For example, a function in a library to compute square roots has a purpose that is entirely well-defined independent of the application. Therefore, Subsection 2d requires that any application-supplied function or table used by this function must be optional: if the application does not supply it, the square root function must still compute square roots.)

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

In addition, mere aggregation of another work not based on the Library with the Library (or with a work based on the Library) on a volume of a storage or distribution medium does not bring the other work under the scope of this License.

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Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even
though third parties are not compelled to copy the source along with the object code.

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the Library is used in it and that the Library and its use are covered by this License. You must supply a copy of this License. If the work during execution displays copyright notices, you must include the copyright notice for the Library among them, as well as a reference directing the user to the copy of this License. Also, you must do one of these things:

a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.
e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy. For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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When a program is linked with a library, whether statically or using a shared library, the combination of the two is legally speaking a combined work, a derivative of the original library. The ordinary General Public License therefore permits such linking only if the entire combination fits its criteria of freedom. The Lesser General Public License permits more lax criteria for linking other code with the library.

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes
a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
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However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

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

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

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Written by: Philip Hazel
Email local part: ph10
Email domain: cam.ac.uk

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form
under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the library". The executable is therefore covered by this License. Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.
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c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies
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These requirements apply to the modified work as a whole. If identifiable sections of that work are not derived from the Library, and can be reasonably considered independent and separate works in themselves, then this License, and its terms, do not apply to those sections when you distribute them as separate works. But when you distribute the same sections as part of a whole which is a work based on the Library, the distribution of the whole must be on the terms of this License, whose permissions for other licensees extend to the entire whole, and thus to each and every part regardless of who wrote it.

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- DES is now external, in the OpenSSL library
- GMP is no longer used, and instead we call BN code from OpenSSL
- Zlib is now external, in a library
- The make-ssh-known-hosts script is no longer included
- TSS has been removed
- MD5 is now external, in the OpenSSL library
- RC4 support has been replaced with ARC4 support from OpenSSL
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/*$OpenBSD: poll.h,v 1.11 2003/12/10 23:10:08 millert Exp $ */

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

#if !defined(HAVE_POLL) && !defined(HAVE_POLL_H)
#defineCompat_POLL_H_

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

typedef unsigned int nfds_t;

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

#if 0
  /* the following are currently not implemented */
#define POLLPRI 0x0002
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLRDBAND 0x0080
#define POLLWRBAND 0x0100
#endif

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

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */

/* $Id: bsd-waitpid.h,v 1.5 2003/08/29 16:59:52 mouring Exp $ */

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#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
#undef WIFSIGNALED
/* Define required functions to mimic a POSIX look and feel */
#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!((_W_INT(w)) & 0377))
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)
/* Prototype */
pid_t waitpid(int, int *, int);
#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */
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/*

#ifndef _BSD_WAITPID_H
#define _BSD_WAITPID_H

#ifndef HAVE_WAITPID
/* Clean out any potential issues */
#undef WIFEXITED
#undef WIFSTOPPED
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#define _W_INT(w) (*(int*)&(w)) /* convert union wait to int */
#define WIFEXITED(w) (!(_W_INT(w)) & 0377)
#define WIFSTOPPED(w) ((_W_INT(w)) & 0100)
#define WIFSIGNALED(w) (!WIFEXITED(w) && !WIFSTOPPED(w))
#define WEXITSTATUS(w) (int)(WIFEXITED(w) ? ((_W_INT(w) >> 8) & 0377) : -1)
#define WTERMSIG(w) (int)(WIFSIGNALED(w) ? (_W_INT(w) & 0177) : -1)
#define WCOREFLAG 0x80
#define WCOREDUMP(w) ((_W_INT(w)) & WCOREFLAG)

/* Prototype */
pid_t waitpid(int, int *, int);
#endif /* !HAVE_WAITPID */
#endif /* _BSD_WAITPID_H */
*/
/* OpenBSD: poll.h,v 1.11 2003/12/10 23:10:08 millert Exp */

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 */

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

#ifndef _COMPAT_POLL_H_
#define _COMPAT_POLL_H_

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

typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#if 0
#define POLLPRI 0x0002
#define POLLHUP 0x0010
#endif

#ifndef HAVE_POLL && !defined(HAVE_POLL_H)
#define COMPAT_POLL_H
#define COMPAT_POLL_H

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

typedef unsigned int nfds_t;

#define POLLIN 0x0001
#define POLLOUT 0x0004
#define POLLERR 0x0008
#if 0
#define POLLPRI 0x0002
#define POLLHUP 0x0010
#endif

#endif

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#define POLLNVAL 0x0020
#define POLLRDNORM 0x0040
#define POLLNORM POLLRDNORM
#define POLLWRNORM POLLOUT
#define POLLWRDBAND 0x0080
#define POLLWRBAND 0x0100
#endif

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

int poll(struct pollfd *, nfds_t, int);
#endif /* !_COMPAT_POLL_H_ */
#endif /* !HAVE_POLL_H */

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 */

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

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*/
diff -up openssh-7.4p1/sftp-server.8.sftp-force-mode openssh-7.4p1/sftp-server.8
--- openssh-7.4p1/sftp-server.8.sftp-force-mode2016-12-19 05:59:41.000000000 +0100
+++ openssh-7.4p1/sftp-server.82017-02-09 10:35:41.926475399 +0100
@@ -38,6 +38,7 @@
 .Op Fl P Ar blacklisted_requests
 .Op Fl p Ar whitelisted_requests
 .Op Fl u Ar umask
+.Op Fl m Ar force_file_perms
 .Ek
 .Nm
 .Fl Q Ar protocol_feature
@@ -138,6 +139,10 @@ Sets an explicit
.Xr umask 2
 to be applied to newly-created files and directories, instead of the
 user's default mask.
+.It Fl m Ar force_file_perms
+Sets explicit file permissions to be applied to newly-created files instead
+of the default or client requested mode. Numeric values include:
+777, 755, 750, 666, 644, 640, etc. Option -u is ineffective if -m is set.
 .El
 .Pp
 On some systems,
diff -up openssh-7.4p1/sftp-server.c.sftp-force-mode openssh-7.4p1/sftp-server.c
--- openssh-7.4p1/sftp-server.c.sftp-force-mode2017-02-09 10:22:36.498019921 +0100
+++ openssh-7.4p1/sftp-server.c2017-02-09 10:35:07.190520959 +0100
@@ -65,6 +65,10 @@ struct sshbuf *oqueue;
 /* Version of client */
 static u_int version;

+/* Force file permissions */
+int permforce = 0;
+long permforcemode;
+
 /* SSH2_FXP_INIT received */
 static int init_done;

 @@ -679,6 +683,7 @@ process_open(u_int32_t id)
 Attrib a;
 char *name;
 int r, handle, fd, flags, mode, status = SSH2_FX_FAILURE;
+mode_t old_umask = 0;

if ((r = sshbuf_get_cstring(iqueue, &name, NULL)) != 0 ||
    (r = sshbuf_get_u32(iqueue, &pflags)) != 0 || /* portable flags */
    @ @ -688.6 +693.10 @ @ process_open(u_int32_t id)
debug3("request %u: open flags %d", id, pflags);
flags = flags_from_portable(pflags);
mode = (a.flags & SSH2_FILEXFER_ATTR_PERMISSIONS) ? a.perm : 0666;
+if (permforce == 1) { /* Force perm if -m is set */
+    mode = permforcemode;
+    old_umask = umask(0); /* so umask does not interfere */
+}
logit("open " name, string_from_portable(pflags), mode);
if (readonly &&
    @ @ -709.6 +718.8 @ @ process_open(u_int32_t id)
}
}
}

+if (permforce == 1)
+(void) umask(old_umask); /* restore umask to something sane */
if (status != SSH2_FX_OK)
send_status(id, status);
free(name);

-    "[-p whitelisted_requests] [-u umask]n"
+    "[-p whitelisted_requests] [-u umask] [-m force_file_perms]n"
    " %s -Q protocol_feature\n",
    __programe, __programe);
exit(1);
@@ -1516,7 +1527,7 @@ sftp_server_main(int argc, char **argv,
pw = pwcopy(user_pw);

while (!skipargs && (ch = getopt(argc, argv,
case 'Q':
    if (strcasecmp(optarg, "requests") != 0) {
@@ -1576.6 +1587.15 @@ sftp_server_main(int argc, char **argv,
fatal("Invalid umask " optarg);
(void) umask((mode_t)mask);
break;
+case 'm':
+/* Force permissions on file received via sftp */
# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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/* lib/font/fontfile/gunzip.c 
written by Mark Eichin <eichin@kitten.gen.ma.us> September 1996. 
intended for inclusion in X11 public releases. */

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### 1.1648 spring-framework 4.3.29.RELEASE

#### 1.1648.1 Available under license :

Spring Framework 4.3.29.RELEASE

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1.1649.1 Available under license:
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/// =====BEGIN ICANN DOMAINS====

/// ac : https://en.wikipedia.org/wiki/.ac
ac
com.ac
edu.ac
gov.ac
net.ac
mil.ac
org.ac

/// ad : https://en.wikipedia.org/wiki/.ad
ad
nom.ad

/// ae : https://en.wikipedia.org/wiki/.ae
/// see also: "Domain Name Eligibility Policy" at http://www.aeda.ae/eng/aepolicy.php
ae
co.ae
net.ae
org.ae
sch.ae
ac.ae
gov.ae
mil.ae

/// aero : see https://www.information.aero/index.php?id=66
aero
accident-investigation.aero
accident-prevention.aero
aerobatic.aero
aeroclub.aero
aerodrome.aero
agents.aero
aircraft.aero
airline.aero
airport.aero
air-surveillance.aero
airtraffic.aero
air-traffic-control.aero
microlight.aero
modelling.aero
navigation.aero
parachuting.aero
paragliding.aero
passenger-association.aero
pilot.aero
press.aero
production.aero
recreation.aero
repbody.aero
res.aero
research.aero
rotorcraft.aero
safety.aero
scientist.aero
services.aero
show.aero
skydiving.aero
software.aero
student.aero
trader.aero
trading.aero
trainer.aero
union.aero
workinggroup.aero
works.aero

// af : http://www.nic.af/help.jsp
af
gov.af
com.af
org.af
net.af
edu.af

// ag : http://www.nic.ag/prices.htm
ag
com.ag
org.ag
net.ag
co.ag
nom.ag

// ai : http://nic.com.ai/
ai
off.ai
com.ai
net.ai
org.ai

com.al
edu.al
gov.al
mil.al
net.al
org.al

// am : https://www.amnic.net/policy/en/Policy_EN.pdf
am
c0.am
com.am
commune.am
net.am
org.am

// http://www.dns.ao/REGISTR.DOC
ao
ed.ao
gv.ao
og.ao
c0.ao
pb.ao
it.ao

aq

// ar : https://nic.ar/nic-argentina/normativa-vigente
ar
com.ar
edu.ar
gob.ar
gov.ar
int.ar
mil.ar
musica.ar
net.ar
org.ar
tur.ar

// Confirmed by registry <iana-questions@icann.org> 2008-06-18
arpa
e164.arpa
in-addr.arpa
ip6.arpa
iris.arpa
uri.arpa
urn.arpa

// as : https://en.wikipedia.org/wiki/.as
as
gov.as

asia

// at : https://en.wikipedia.org/wiki/.at
// Confirmed by registry <it@nic.at> 2008-06-17
at
ac.at
co.at
gv.at
or.at

au
// 2LDs
com.au
net.au
org.au
edu.au
gov.au
asn.au
id.au
// Historic 2LDs (closed to new registration, but sites still exist)
info.au
cnf.au
oz.au
act.au
nsw.au
nt.au
qld.au
sa.au
tas.au
vic.au
wa.au
// 3LDs
gov.ba
mil.ba
net.ba
org.ba

bb
biz.bb
cm.bb
edu.bb
gov.bb
info.bb
net.bb
org.bb
store.bb
tv.bb

*.bd

// be : https://en.wikipedia.org/wiki/.be
// Confirmed by registry <tech@dns.be> 2008-06-08
be
ac.be

bf
gov.bf

bg
a.bg
b.bg
c.bg
d.bg
e.bg
f.bg
g.bg
h.bg
i.bg
j.bg
k.bg
l.bg
m.bg
n.bg
o.bg
bh
com.bh
edu.bh
net.bh
org.bh
gov.bh

// http://whois.nic.bi/
bi
c.co.bi
com.bi
edu.bi
or.bi
org.bi

biz

bj
asso.bj
barreau.bj
gouv.bj
// bm : http://www.bermudanic.bm/dnr-text.txt
bm
com.bm
edu.bm
gov.bm
net.bm
org.bm

// bn : http://www.bnnic.bn/faqs
bn
com.bn
edu.bn
gov.bn
net.bn
org.bn

// bo : https://nic.bo/delegacion2015.php#h-1.10
bo
com.bo
edu.bo
gob.bo
int.bo
org.bo
net.bo
mil.bo
tv.bo
web.bo
// Social Domains
academia.bo
agro.bo
arte.bo
blog.bo
bolivia.bo
ciencia.bo
cooperativa.bo
democracia.bo
deporbo
ecologib.bo
economia.bo
empresa.bo
indigena.bo
industria.bo
info.bo
medicina.bo
movimiento.bo
musica.bo
natural.bo
nombre.bo

Open Source Used In Cisco Unified Contact Center Express 12.5(1) SU2 15123
noticias.bo
patria.bo
politica.bo
profesional.bo
plurinacional.bo
pueblo.bo
revista.bo
salud.bo
tecnologia.bo
tksat.bo
transporte.bo
wiki.bo

// br : http://registro.br/dominio/categoria.html
// Submitted by registry <fneves@registro.br>
br
9guacu.br
abc.br
adm.br
adv.br
agr.br
aju.br
am.br
anani.br
aparecida.br
arq.br
art.br
ato.br
b.br
barueri.br
belem.br
bhz.br
bio.br
blog.br
bmd.br
boavista.br
bsb.br
campinagrande.br
campinas.br
caxias.br
cim.br
cng.br
cnt.br
com.br
contagem.br
coop.br
cri.br
cuiaba.br
curitiba.br
def.br
ecn.br
eco.br
edu.br
emp.br
eng.br
esp.br
etc.br
eti.br
far.br
feira.br
flog.br
floripa.br
fm.br
fnd.br
fortal.br
fot.br
foz.br
fst.br
g12.br
ggf.br
goiania.br
gov.br
ac.gov.br
al.gov.br
am.gov.br
ap.gov.br
ba.gov.br
ce.gov.br
df.gov.br
es.gov.br
go.gov.br
ma.gov.br
mg.gov.br
ms.gov.br
mt.gov.br
pa.gov.br
pb.gov.br
pe.gov.br
pi.gov.br
pr.gov.br
rj.gov.br
rn.gov.br
ro.gov.br
rr.gov.br
rs.gov.br
ribeirao.br
rio.br
riobranco.br
riopreto.br
salvador.br
sampar.br
santamaria.br
santoandre.br
saobernardo.br
saogonca.br
sjc.br
slg.br
slz.br
sorocaba.br
srv.br
taxi.br
tc.br
teo.br
the.br
tmp.br
trd.br
tur.br
tv.br
udi.br
vet.br
vix.br
vlog.br
wiki.br
zlg.br

// bs : http://www.nic.bs/rules.html
bs
com.bs
net.bs
org.bs
edu.bs
gov.bs

bt
com.bt
edu.bt
gov.bt
net.bt
org.bt

// bv : No registrations at this time.
// Submitted by registry <jarle@uninett.no>
bv

// bw : https://en.wikipedia.org/wiki/bw
// http://www.gobin.info/domainname/bw.doc
// list of other 2nd level tlds?
bw
co.bw
org.bw

// by : https://en.wikipedia.org/wiki/by
// list of other 2nd level tlds?
by
gov.by
mil.by
// Official information does not indicate that com.by is a reserved
// second-level domain, but it's being used as one (see www.google.com.by and
// www.yahoo.com.by, for example), so we list it here for safety's sake.
com.by

// http://hoster.by/
of.by

// bz : https://en.wikipedia.org/wiki/bz
// http://www.belizenic.bz/
bz
com.bz
net.bz
org.bz
edu.bz
gov.bz

// ca : https://en.wikipedia.org/wiki/ca
ca
// ca geographical names
ab.ca
bc.ca
mb.ca
nb.ca
nf.ca
nl.ca
ns.ca
nt.ca
nu.ca
on.ca
pe.ca
qc.ca
sk.ca
com.cu
edu.cu
org.cu
net.cu
gov.cu
inf.cu

cv

// cw : http://www.una.cw/cw_registry/
// Confirmed by registry <registry@una.net> 2013-03-26
cw
com.cw
edu.cw
net.cw
org.cw

// list of other 2nd level tlds ?
cx
gov.cx

// cy : http://www.nic.cy/
// Submitted by registry Panayiotou Fotia <cydns@ucy.ac.cy>
cy
ac.cy
biz.cy
com.cy
ekloges.cy
gov.cy
ltd.cy
name.cy
net.cy
org.cy
parliament.cy
press.cy
pro.cy
tm.cy

cz

// Confirmed by registry <ops@denic.de> (with technical
// reservations) 2008-07-01
de

// dj : https://en.wikipedia.org/wiki/dj
dj

// dk : https://en.wikipedia.org/wiki/dk
// Confirmed by registry <robert@dk-hostmaster.dk> 2008-06-17
dk

// dm : https://en.wikipedia.org/wiki/dm
dm
com.dm
net.dm
org.dm
edu.dm
gov.dm

// do : https://en.wikipedia.org/wiki/do
do
art.do
com.do
edu.do
gob.do
gov.do
mil.do
net.do
org.do
sld.do
web.do

// dz : https://en.wikipedia.org/wiki/dz
dz
com.dz
org.dz
net.dz
gov.dz
edu.dz
asso.dz
pol.dz
art.dz

// ec : http://www.nic.ec/reg/paso1.asp
// Submitted by registry <vabboud@nic.ec>
ec
com.ec
info.ec
net.ec
fin.ec
k12.ec
med.ec
pro.ec
org.ec
edu.ec
gov.ec
gob.ec
mil.ec

edu

// ee : http://www.eenet.ee/EENet/dom_reeglid.html#lisa_B
ee
edu.ee
gov.ee
riik.ee
lib.ee
med.ee
com.ee
pri.ee
aip.ee
org.ee
fie.ee

// eg : https://en.wikipedia.org/wiki/.eg
eg
com.eg
edu.eg
eun.eg
gov.eg
mil.eg
name.eg
net.eg
org.eg
sci.eg

*.er

// es : https://www.nic.es/site_ingles/ingles/dominios/index.html
es
com.es
nom.es
org.es
gob.es
edu.es
et
com.et
gov.et
org.et
edu.et
biz.et
name.et
info.et
net.et

eu

fi
// This domain is being phased out in favor of .ax. As there are still many
// domains under aland.fi, we still keep it on the list until aland.fi is
// completely removed.
// TODO: Check for updates (expected to be phased out around Q1/2009)
aland.fi

*.fj

*.fk

fm

fo

// fr : http://www.afnic.fr/
// domaines descriptifs :
fr
asso.fr
com.fr
gouv.fr
nom.fr
prd.fr
tm.fr
aeroport.fr
avocat.fr
avoues.fr
cci.fr
chambagri.fr
chirurgiens-dentistes.fr
experts-comptables.fr
géomètre-expert.fr
greta.fr
huissier-justice.fr
médecin.fr
notaires.fr
pharmacien.fr
port.fr
veterinaire.fr

ga

// gb : This registry is effectively dormant
// Submitted by registry <Damien.Shaw@ja.net>
gb

gd

// ge : http://www.nic.net.ge/policy_en.pdf
ge
com.ge
edu.ge
gov.ge
org.ge
mil.ge
net.ge
pvt.ge

gf

// gg : http://www.channelisles.net/register-domains/
// Confirmed by registry <nigel@channelisles.net> 2013-11-28
gg
cog.gg
net.gg
org.gg

// see also: http://www.nic.gh/reg_now.php
// Although domains directly at second level are not possible at the moment,
// they have been possible for some time and may come back.
gh
com.gh
edu.gh
gov.gh
org.gh
mil.gh

// gi : http://www.nic.gi/rules.html
gi
com.gi
ltd.gi
gov.gi
mod.gi
edu.gi
org.gi

// http://nic.gl
gl
co.gl
com.gl
edu.gl
net.gl
org.gl

// gm : http://www.nic.gm/htmlpages%5Cgm-policy.htm
gm

// gn : http://psg.com/dns/gn/gn.txt
// Submitted by registry <randy@psg.com>
gn
ac.gn
com.gn
edu.gn
gov.gn
org.gn
net.gn

gov

gp
com.gp
net.gp
mobi.gp
edu.gp
org.gp
asso.gp

gq

// Submitted by registry <segred@ics.forth.gr>
gr
com.gr
edu.gr
net.gr
org.gr
gov.gr

gs

// gt : http://www.gt/politicas_de_registro.html
gt
com.gt
edu.gt
gob.gt
ind.gt
mil.gt
net.gt
org.gt

// University of Guam : https://www.uog.edu
// Submitted by uognoc@triton.uog.edu
gu
com.gu
edu.gu
gov.gu
guam.gu
info.gu
net.gu
org.gu
web.gu

gw

// http://registry.gy/
gy
c0.gy
com.gy
edu.gy
gov.gy
net.gy
org.gy

// hk : https://www.hkirc.hk
// Submitted by registry <hk.tech@hkirc.hk>
hk
com.hk
edu.hk
gov.hk
idv.hk
net.hk
org.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk
.hk

hm

// hn : http://www.nic.hn/politicas/ps02,,05.html
hn
com.hn
edu.hn
org.hn
net.hn
mil.hn
gob.hn

// hr : http://www.dns.hr/documents/pdf/HRTLD-regulations.pdf
hr
iz.hr
from.hr
name.hr
com.hr
// ht : http://www.nic.ht/info/charte.cfm
ht
com.ht
shop.ht
firm.ht
info.ht
adult.ht
net.ht
pro.ht
org.ht
med.ht
art.ht
coop.ht
pol.ht
asso.ht
edu.ht
rel.ht
gouv.ht
perso.ht

// hu : http://www.domain.hu/domain/English/sld.html
// Confirmed by registry <pasztor@iszt.hu> 2008-06-12
hu
co.hu
info.hu
org.hu
priv.hu
sport.hu
tm.hu
2000.hu
agrar.hu
bolt.hu
casino.hu
city.hu
erotica.hu
erotika.hu
film.hu
forum.hu
games.hu
hotel.hu
ingatlan.hu
jogasz.hu
konyvelo.hu
lakas.hu
media.hu
news.hu
reklam.hu
sex.hu
shop.hu
suli.hu
szex.hu
tozsde.hu
utazas.hu
video.hu

// id : https://pandi.id/en/domain/registration-requirements/
id
ac.id
biz.id
coid
desa.id
go.id
mil.id
my.id
net.id
or.id
ponpes.id
sch.id
web.id

ie
gov.ie

// il : http://www.isoc.org.il/domains/
il
ac.il
co.il
gov.il
idflil
k12.il
muni.il
net.il
org.il

// id : https://www.nic.im/
// Submitted by registry <info@nic.im>
im
ac.im
co.im
com.im
ltd.co.im
net.im
org.im
plc.co.im
tt.im
tv.im

// in : https://en.wikipedia.org/wiki/in
// see also: https://registry.in/Policies
// Please note, that nic.in is not an official cTLD, but used by most
// government institutions.
in
co.in
firm.in
net.in
org.in
gen.in
ind.in
nic.in
ac.in
edu.in
res.in
gov.in
mil.in

info

// int : https://en.wikipedia.org/wiki/int
// Confirmed by registry <iana-questions@icann.org> 2008-06-18
int
eu.int

// io : http://www.nic.io/rules.html
// list of other 2nd level tlds ?
io
com.io

iq
gov.iq
edu.iq
mil.iq
com.iq
org.iq
net.iq

// ir : http://www.nic.ir/Terms_and_Conditions_ir,_Appendix_1_Domain_Rules
// Also see http://www.nic.ir/Internationalized_Domain_Names
// Two <iran>.ir entries added at request of <tech-team@nic.ir>, 2010-04-16
ir
ac.ir
co.ir
gov.ir
id.ir
net.ir
org.ir
sch.ir
// xn--mgba3a4f16a.ir (<iran>.ir, Persian YEH)
.ir
// xn--mgba3a4fra.ir (<iran>.ir, Arabic YEH)
.ir

// is : http://www.isnic.is/domain/rules.php
// Confirmed by registry <marius@isgate.is> 2008-12-06
is
net.is
com.is
edu.is
gov.is
org.is
int.is

it
gov.it
edu.it
// Reserved geo-names (regions and provinces):
// http://www.nic.it/sites/default/files/docs/Regulation_assignation_v7.1.pdf
// Regions
abr.it
abruzzo.it
aosta-valley.it
aostavalley.it
bas.it
basilicata.it
cal.it
calabria.it
cam.it
campania.it
emilia-romagna.it
emiliaromagna.it
emr.it
friuli-v-giulia.it
friuli-ve-giulia.it
friuli-vegiulia.it
friuli-venezia-giulia.it
friuli-venezia-giulia.it
friuli-vgiulia.it
friuliv-giulia.it
friulive-giulia.it
friulivegiulia.it
friulivenezia-giulia.it
friulivenezia-giulia.it
friulivgiulia.it
fvg.it
laz.it
lazio.it
lig.it
liguria.it
lom.it
lombardia.it
lombardy.it
lucania.it
mar.it
marche.it
mol.it
molise.it
piedmont.it
piemonte.it
pmn.it
pug.it
puglia.it
sar.it
sardegna.it
sardinia.it
sic.it
sicilia.it
sicily.it
taa.it
tos.it
toscana.it	
trentin-sud-tirol.it	
trentin-sd-tirol.it	
trentin-sudtirol.it	
trentin-sd-tirol.it	
trentin-sued-tirol.it	
trentin-suedtirol.it	
trentino-a-adige.it	
trentino-aadige.it	
trentino-alto-adige.it	
trentino-altoadige.it	
trentino-s-tirol.it	
trentino-stirol.it	
trentino-sud-tirol.it	
trentino-sd-tirol.it	
trentino-sudtirol.it	
trentino-sdtirol.it
vv.it

// je : http://www.channelisles.net/register-domains/
// Confirmed by registry <nigel@channelisles.net> 2013-11-28
je
co.je
net.je
org.je

*jm

jo
com.jo
org.jo
net.jo
edu.jo
sch.jo
gov.jo
mil.jo
name.jo

// jobs : https://en.wikipedia.org/wiki/jobs
jobs

// jp : https://en.wikipedia.org/wiki/jp
// Submitted by registry <info@jprs.jp>
jp
// jp organizational type names
ac.jp
ad.jp
co.jp
ed.jp
go.jp
gr.jp
lg.jp
ne.jp
or.jp
// jp prefecture type names
aichi.jp
akita.jp
aomori.jp
chiba.jp
ehime.jp
fukui.jp
fukuoka.jp
// jp geographic type names
// http://jprs.jp/doc/rule/saisoku-1.html
*.kawasaki.jp
*.kitakyushu.jp
*.kobe.jp
*.nagoya.jp
*.sapporo.jp
*.sendai.jp
*.yokohama.jp
// 4th level registration
aisai.aichi.jp
ama.aichi.jp
anjo.aichi.jp
asuke.aichi.jp
chiryu.aichi.jp
chita.aichi.jp
fuso.aichi.jp
gamagori.aichi.jp
handa.aichi.jp
hazu.aichi.jp
hekinan.aichi.jp
higashiura.aichi.jp
ichinomiya.aichi.jp
inazawa.aichi.jp
inuyama.aichi.jp
isshiki.aichi.jp
iwakura.aichi.jp
kanie.aichi.jp
kariya.aichi.jp
kasugai.aichi.jp
kira.aichi.jp
kiyosu.aichi.jp
komaki.aichi.jp
konan.aichi.jp
kota.aichi.jp
mihama.aichi.jp
miyoshi.aichi.jp
nishio.aichi.jp
nishin.aichi.jp
obu.aichi.jp
oguchi.aichi.jp
oharu.aichi.jp
okazaki.aichi.jp
owariasahi.aichi.jp
seto.aichi.jp
shikatsu.aichi.jp
shinshiro.aichi.jp
shitara.aichi.jp
tahara.aichi.jp
takahama.aichi.jp
hara.nagano.jp
hiraya.nagano.jp
iida.nagano.jp
iijima.nagano.jp
iiyama.nagano.jp
iizuna.nagano.jp
ikeda.nagano.jp
ikusaka.nagano.jp
ina.nagano.jp
karuizawa.nagano.jp
kawakami.nagano.jp
kiso.nagano.jp
kisofukushima.nagano.jp
kitaaiki.nagano.jp
komagane.nagano.jp
komoro.nagano.jp
matsukawa.nagano.jp
matsumoto.nagano.jp
miasa.nagano.jp
minami.ka.nagano.jp
minamimaki.nagano.jp
minaminowa.nagano.jp
minowa.nagano.jp
miyada.nagano.jp
miyota.nagano.jp
mochizuki.nagano.jp
nagano.nagano.jp
nagawa.nagano.jp
nagiso.nagano.jp
nakagawa.nagano.jp
nakano.nagano.jp
nozawaonsen.nagano.jp
obuse.nagano.jp
ogawa.nagano.jp
okaya.nagano.jp
omachi.nagano.jp
omi.nagano.jp
ookuwa.nagano.jp
ooshika.nagano.jp
otaki.nagano.jp
otari.nagano.jp
sakae.nagano.jp
sakaki.nagano.jp
saku.nagano.jp
sakuho.nagano.jp
shimosuwa.nagano.jp
shinanomachi.nagano.jp
shiojiri.nagano.jp
yaese.okinawa.jp
yomitan.okinawa.jp
yonabaru.okinawa.jp
yonaguni.okinawa.jp
zamami.okinawa.jp
abeno.osaka.jp
chihayaakasaka.osaka.jp
choo.osaka.jp
daito.osaka.jp
fujiiidera.osaka.jp
habikino.osaka.jp
hannan.osaka.jp
higashiosaka.osaka.jp
higashisumiyoshi.osaka.jp
higashiyodogawa.osaka.jp
hirakata.osaka.jp
ibaraki.osaka.jp
ikeda.osaka.jp
izumi.osaka.jp
izumiotsu.osaka.jp
izumisano.osaka.jp
kadoma.osaka.jp
kaizuka.osaka.jp
kanan.osaka.jp
kashiwara.osaka.jp
katano.osaka.jp
kawachinagano.osaka.jp
kashiwada.osaka.jp
kita.osaka.jp
kumatori.osaka.jp
matsubara.osaka.jp
minato.osaka.jp
minoh.osaka.jp
misaki.osaka.jp
moriguchi.osaka.jp
neyagawa.osaka.jp
nishi.osaka.jp
nose.osaka.jp
osakasayama.osaka.jp
sakai.osaka.jp
sayama.osaka.jp
seinan.osaka.jp
settsu.osaka.jp
shijonawate.osaka.jp
shimamoto.osaka.jp
suitsa.osaka.jp
tadaoka.osaka.jp
taishi.osaka.jp
ina.saitama.jp
iruma.saitama.jp
iwatsuki.saitama.jp
kamiizumi.saitama.jp
kamikawa.saitama.jp
kamisato.saitama.jp
kasukabe.saitama.jp
kawagoe.saitama.jp
kawaguchi.saitama.jp
kawajima.saitama.jp
kazo.saitama.jp
kitamoto.saitama.jp
koshigaya.saitama.jp
kounosu.saitama.jp
kuki.saitama.jp
kumagaya.saitama.jp
matsubushi.saitama.jp
minano.saitama.jp
misato.saitama.jp
miyashiro.saitama.jp
miyoshi.saitama.jp
moroyama.saitama.jp
nagatoro.saitama.jp
namegawa.saitama.jp
niiza.saitama.jp
ogano.saitama.jp
ogawa.saitama.jp
ogose.saitama.jp
okegawa.saitama.jp
omiya.saitama.jp
otaki.saitama.jp
ranzan.saitama.jp
ryokami.saitama.jp
saitama.saitama.jp
sakado.saitama.jp
satte.saitama.jp
sayama.saitama.jp
shiki.saitama.jp
shiraoka.saitama.jp
soka.saitama.jp
sugito.saitama.jp
toda.saitama.jp
tokigawa.saitama.jp
tokorozawa.saitama.jp
tsurugashima.saitama.jp
urawa.saitama.jp
warabi.saitama.jp
yashio.saitama.jp
chu.o.tokyo.jp
edogawa.tokyo.jp
fuchu.tokyo.jp
fussa.tokyo.jp
hachijo.tokyo.jp
hachioji.tokyo.jp
hamura.tokyo.jp
higashikurume.tokyo.jp
higashimurayama.tokyo.jp
higashiyamato.tokyo.jp
hino.tokyo.jp
hinode.tokyo.jp
hinohara.tokyo.jp
inagi.tokyo.jp
itabashi.tokyo.jp
katsushika.tokyo.jp
 kita.tokyo.jp
kiyose.tokyo.jp
kodaira.tokyo.jp
koganei.tokyo.jp
kokubunji.tokyo.jp
komae.tokyo.jp
koto.tokyo.jp
kouzushima.tokyo.jp
kunitachi.tokyo.jp
machida.tokyo.jp
meguro.tokyo.jp
minato.tokyo.jp
mitaka.tokyo.jp
mizuho.tokyo.jp
musashimurayama.tokyo.jp
musashino.tokyo.jp
nakano.tokyo.jp
nerima.tokyo.jp
ogasawara.tokyo.jp
okutama.tokyo.jp
ome.tokyo.jp
oshima.tokyo.jp
ota.tokyo.jp
setagaya.tokyo.jp
shibuya.tokyo.jp
shinagawa.tokyo.jp
shinjuku.tokyo.jp
suginami.tokyo.jp
sumida.tokyo.jp
tachikawa.tokyo.jp
taito.tokyo.jp
tama.tokyo.jp
tsuruoka.yamagata.jp
yamagata.yamagata.jp
yamanobe.yamagata.jp
yonezawa.yamagata.jp
yuza.yamagata.jp
abu.yamaguchi.jp
hagi.yamaguchi.jp
hikari.yamaguchi.jp
hofu.yamaguchi.jp
iwakuni.yamaguchi.jp
kudamatsu.yamaguchi.jp
mitou.yamaguchi.jp
nagato.yamaguchi.jp
oshima.yamaguchi.jp
shimonoseki.yamaguchi.jp
shunan.yamaguchi.jp
tabuse.yamaguchi.jp
tokuyama.yamaguchi.jp
toyota.yamaguchi.jp
ube.yamaguchi.jp
yuu.yamaguchi.jp
chuo.yamanashi.jp
doshi.yamanashi.jp
fuefuki.yamanashi.jp
fujikawa.yamanashi.jp
fujikawaguchiko.yamanashi.jp
fujiyoshida.yamanashi.jp
hayakawa.yamanashi.jp
hokuto.yamanashi.jp
ichikawamisato.yamanashi.jp
kai.yamanashi.jp
kofu.yamanashi.jp
koshu.yamanashi.jp
kosuge.yamanashi.jp
minami-alps.yamanashi.jp
minobu.yamanashi.jp
nakamichi.yamanashi.jp
nanbu.yamanashi.jp
narusawa.yamanashi.jp
nirasaki.yamanashi.jp
nishikatsura.yamanashi.jp
oshino.yamanashi.jp
otsuki.yamanashi.jp
showa.yamanashi.jp
tabayama.yamanashi.jp
tsuru.yamanashi.jp
uenohara.yamanashi.jp
yamanakako.yamanashi.jp
yamanashi.yamanashi.jp

ke
ac.ke
co.ke
go.ke
info.ke
me.ke
mobi.ke
ne.ke
or.ke
sc.ke

// kg : http://www.domain.kg/dmn_n.html
kg
org.kg
net.kg
com.kg
edu.kg
gov.kg
mil.kg

* .kh

// ki : http://www.ki/dns/index.html
ki
edu.ki
biz.ki
net.ki
org.ki
gov.ki
info.ki
com.ki

// km : https://en.wikipedia.org/wiki/km
// http://www.domaine.km/documents/charte.doc
km
org.km
nom.km
gov.km
prd.km
tm.km
edu.km
mil.km
ass.km
com.km
// These are only mentioned as proposed suggestions at domaine.km, but
// https://en.wikipedia.org/wiki/.km says they're available for registration:
coop.km
asso.km
presse.km
medecin.km
notaires.km
pharmaciens.km
veterinaire.km
gouv.km

// http://www.dot.kn/domainRules.html
kn
net.kn
org.kn
edu.kn
gov.kn

kp
com.kp
edu.kp
gov.kp
org.kp
rep.kp
tra.kp

// see also: http://domain.nida.or.kr/eng/registration.jsp
kr
ac.kr
cr.co.kr
es.kr
go.kr
hs.kr
kg.kr
mil.kr
ms.kr
ne.kr
or.kr
pe.kr
re.kr
sc.kr
// kr geographical names
busan.kr
chungbuk.kr
chungnam.kr
daegu.kr
daegyeon.kr
gangwon.kr
gwangju.kr
gyeongbuk.kr
gyeonggi.kr
gyeongnam.kr
incheon.kr
jeju.kr
jeonbuk.kr
jeonnam.kr
seoul.kr
ulsan.kr

// kw : https://www.nic.kw/policies/
// Confirmed by registry <nic.tech@ctira.gov.kw>
kw
com.kw
edu.kw
emb.kw
gov.kw
ind.kw
net.kw
org.kw

// Confirmed by registry <kysupport@perimeterusa.com> 2008-06-17
ky
edu.ky
gov.ky
com.ky
org.ky
net.ky

// see also: http://www.nic.kz/rules/index.jsp
kz
org.kz
edu.kz
net.kz
gov.kz
mil.kz
com.kz

// Submitted by registry <gavin.brown@nic.la>
la
int.la
net.la
info.la
edu.la
gov.la
per.la
com.la
org.la

// Submitted by registry <randy@psg.com>
lb
com.lb
edu.lb
gov.lb
net.lb
org.lb

// see also: http://www.nic.lc/rules.htm
lc
com.lc
net.lc
c.co.lc
org.lc
edu.lc
gov.lc

li

// lk : http://www.nic.lk/seclevpr.html
lk
gov.lk
sch.lk
net.lk
int.lk
com.lk
org.lk
edu.lk
ngo.lk
soc.lk
web.lk
ltd.lk
assn.lk
grp.lk
hotel.lk
ac.lk
// lr : http://psg.com/dns/lr/lr.txt
// Submitted by registry <randy@psg.com>
lr
com.lr
edu.lr
gov.lr
org.lr
net.lr

// ls : http://www.nic.ls/
// Confirmed by registry <lsadmin@nic.ls>
ls
ac.ls
biz.ls
co.ls
edu.ls
gov.ls
info.ls
net.ls
org.ls
sc.ls

// lt : https://en.wikipedia.org/wiki/Lt
lt
gov.lt

lu

// lv : http://www.nic.lv/DNS/En/generic.php
lv
com.lv
edu.lv
gov.lv
org.lv
mil.lv
id.lv
net.lv
asn.lv
conf.lv

ly
com.ly
net.ly
gov.ly
plc.ly
edu.ly
sch.ly
med.ly
org.ly
id.ly

ma
co.ma
net.ma
gov.ma
org.ma
ac.ma
press.ma

// mc : http://www.nic.mc/
mc
tm.mc
asso.mc

md

// me : https://en.wikipedia.org/wiki/.me
me
co.me
net.me
org.me
edu.me
ac.me
gov.me
its.me
priv.me

// mg : http://nic.mg/nicmg/?page_id=39
mg
org.mg
nom.mg
gov.mg
prd.mg
tm.mg
edu.mg
mil.mg
com.mg
co.mg

mh

mil

// see also: http://dns.marnet.net.mk/postapka.php
mk
com.mk
org.mk
net.mk
edu.mk
gov.mk
inf.mk
name.mk

// ml : http://www.gobin.info/domainname/ml-template.doc
// see also: https://en.wikipedia.org/wiki/.ml
ml
com.ml
edu.ml
gouv.ml
gov.ml
net.ml
org.ml
presse.ml

// mm : https://en.wikipedia.org/wiki/.mm
_*mm

mn
gov.mn
edu.mn
org.mn

// mo : http://www.monic.net.mo/
mo
com.mo
net.mo
org.mo
edu.mo
gov.mo

mobi

// mp : http://www.dot.mp/
// Confirmed by registry <dcamacho@saipan.com> 2008-06-17

// mp

// mq : https://en.wikipedia.org/wiki/mq
mq

// mr : https://en.wikipedia.org/wiki/mr
mr
gov.mr

// ms : http://www.nic.ms/pdf/MS_Domain_Name_Rules.pdf
ms
com.ms
edu.ms
gov.ms
net.ms
org.ms

// mt : https://www.nic.org.mt/go/policy
// Submitted by registry <help@nic.org.mt>
mt
com.mt
edu.mt
net.mt
org.mt

// mu : https://en.wikipedia.org/wiki/mu
mu
com.mu
net.mu
org.mu
gov.mu
ac.mu
c.co.mu
or.mun

// museum : http://about.museum/naming/
// http://index.museum/
museum
academy.museum
agriculture.museum
air.museum
airguard.museum
alabama.museum
alaska.museum
amber.museum
ambulance.museum
american.museum
chocolate.museum
christiansburg.museum
cincinnati.museum
cinema.museum
circus.museum
civilisation.museum
civilization.museum
civilwar.museum
clinton.museum
clock.museum
coal.museum
coastaldefence.museum
cody.museum
coldwar.museum
collection.museum
colonialwilliamsburg.museum
coloradoplateau.museum
columbia.museum
columbus.museum
communication.museum
communications.museum
community.museum
computer.museum
computerhistory.museum
comunicaes.museum
contemporary.museum
contemporaryart.museum
convent.museum
copenhagen.museum
corporation.museum
correios-e-telecomunicaes.museum
corvette.museum
costume.museum
countryestate.museum
county.museum
crafts.museum
cranbrook.museum
creation.museum
cultural.museum
culturalcenter.museum
culture.museum
cyber.museum
cymru.museum
dali.museum
dallas.museum
database.museum
ddr.museum
decorativearts.museum
delaware.museum
delmenhorst.museum
denmark.museum
depot.museum
design.museum
detroit.museum
dinosaur.museum
discovery.museum
dolls.museum
donostia.museum
durham.museum
eastafrica.museum
eastcoast.museum
education.museum
educational.museum
eyptian.museum
eisenbahn.museum
elburg.museum
elvendrell.museum
embroidery.museum
encyclopedic.museum
england.museum
entomology.museum
environment.museum
environmentalconservation.museum
epilepsy.museum
essex.museum
estate.museum
ethnology.museum
exeter.museum
exhibition.museum
family.museum
farm.museum
farmequipment.museum
farmers.museum
farmstead.museum
field.museum
figueres.museum
filatelia.museum
film.museum
fineart.museum
finearts.museum
finland.museum
flanders.museum
florida.museum
force.museum
fortmissoula.museum
fortworth.museum
indian.museum
indiana.museum
indianapolis.museum
indianmarket.museum
intelligence.museum
interactive.museum
iraq.museum
iron.museum
isleofman.museum
jamison.museum
jefferson.museum
jerusalem.museum
jewelry.museum
jewish.museum
jewishart.museum
jfk.museum
journalism.museum
judaica.museum
judygarland.museum
juedisches.museum
juif.museum
karate.museum
karikatur.museum
kids.museum
koebenhavn.museum
koeln.museum
kunst.museum
kunstsammlung.museum
kunstunddesign.museum
labor.museum
labour.museum
laajolla.museum
lancashire.museum
landes.museum
lans.museum
lns.museum
larsson.museum
lewismiller.museum
lincoln.museum
linz.museum
living.museum
livinghistory.museum
localhistory.museum
london.museum
losangeles.museum
louvre.museum
loyalist.museum
lucerne.museum
luxembourg.museum
luzern.museum
mad.museum
madrid.museum
mallorca.museum
manchester.museum
mansion.museum
mansions.museum
manx.museum
marburg.museum
maritime.museum
maritimo.museum
maryland.museum
marylhurst.museum
media.museum
medical.museum
medizinhistorisches.museum
meeres.museum
memorial.museum
mesaverde.museum
michigan.museum
midatlantic.museum
military.museum
mill.museum
miners.museum
mining.museum
minnesota.museum
missile.museum
missoula.museum
modern.museum
moma.museum
money.museum
monmouth.museum
monticello.museum
montreal.museum
moscow.museum
motorcycle.museum
muenchen.museum
muenster.museum
mulhouse.museum
muncie.museum
museet.museum
museumcenter.museum
museumvereniging.museum
music.museum
national.museum
nationalfirearms.museum
nationalheritage.museum
sciencehistory.museum
sciences.museum
sciencesnaturelles.museum
scotland.museum
seaport.museum
settlement.museum
settlers.museum
shell.museum
sherbrooke.museum
sibenik.museum
silk.museum
ski.museum
skole.museum
society.museum
sologne.museum
soundandvision.museum
southcarolina.museum
southwest.museum
space.museum
spy.museum
square.museum
stadt.museum
stalbans.museum
starnberg.museum
state.museum
stateofdelaware.museum
station.museum
steam.museum
steiermark.museum
stjohn.museum
stockholm.museum
stpetersburg.museum
stuttgart.museum
suisse.museum
surgeonshall.museum
surrey.museum
svizzera.museum
sweden.museum
sydney.museum
tank.museum
tcm.museum
technology.museum
telekommunikation.museum
television.museum
texas.museum
textile.museum
theater.museum
time.museum
workshop.museum
york.museum
yorkshire.museum
yosemite.museum
youth.museum
zoological.museum
zoology.museum
.museum
.museum

// mv : https://en.wikipedia.org/wiki/mv
// “mv” included because, contra Wikipedia, google.mv exists.
mv
aero.mv
biz.mv
com.mv
coop.mv
edu.mv
gov.mv
info.mv
int.mv
mil.mv
museum.mv
name.mv
net.mv
org.mv
pro.mv

// mw : http://www.registrar.mw/
mw
ac.mw
biz.mw
co.mw
com.mw
coop.mw
edu.mw
gov.mw
int.mw
museum.mw
net.mw
org.mw

// mx : http://www.nic.mx/
// Submitted by registry <farias@nic.mx>
mx
com.mx
org.mx
gob.mx
edu.mx
net.mx

// my : http://www.mynic.net.my/
my
com.my
net.my
org.my
gov.my
edu.my
mil.my
name.my

// mz : http://www.uem.mz/
// Submitted by registry <antonio@uem.mz>
mz
ac.mz
adv.mz
co.mz
edu.mz
gov.mz
mil.mz
net.mz
org.mz

// http://www.info.na/domain/
na
info.na
pro.na
name.na
school.na
or.na
dr.na
us.na
mx.na
c.a.na
in.na
cc.na
tv.na
ws.na
mobi.na
c.o.na
com.na
org.na

// name : has 2nd-level tlds, but there's no list of them
name
// nc : http://www.cctld.nc/
nc
asso.nc
nom.nc

ne

net

nf
com.nf
net.nf
per.nf
rec.nf
web.nf
arts.nf
firm.nf
info.nf
other.nf
store.nf

ng
com.ng
edu.ng
gov.ng
i.ng
mil.ng
mobi.ng
name.ng
net.ng
org.ng
sch.ng

// ni : http://www.nic.ni/
ni
ac.ni
biz.ni
co.ni
com.ni
edu.ni
gob.ni
in.ni
info.ni
nl

// no : http://www.norid.no/regelverk/index.en.html
// The Norwegian registry has declined to notify us of updates. The web pages
// referenced below are the official source of the data. There is also an
// announce mailing list:
// https://postlister.uninett.no/sympa/info/norid-diskusjon
no
// Norid generic domains : http://www.norid.no/regelverk/vedlegg-c.en.html
fhs.no
vgs.no
fylkesbibl.no
folkebibl.no
museum.no
idrett.no
priv.no
// Non-Norid generic domains : http://www.norid.no/regelverk/vedlegg-d.en.html
mil.no
stat.no
dep.no
kommune.no
herad.no
// no geographical names : http://www.norid.no/regelverk/vedlegg-b.en.html
// counties
aa.no
ah.no
bu.no
fm.no
hl.no
hm.no
jan-mayen.no
mr.no
nl.no
nt.no
of.no
ol.no
oslo.no
rl.no
sf.no
st.no
svalbard.no
tm.no
tr.no
va.no
vf.no

// primary and lower secondary schools per county
gs.aa.no
gs.ah.no
gs.bu.no
gs.fm.no
gs.hl.no
gs.hm.no
gs.jan-mayen.no
gs.mr.no
gs.nl.no
gs.nt.no
gs.of.no
gs.ol.no
gs.oslo.no
gs.rl.no
gs.sf.no
gs.st.no
gs.svalbard.no
gs.tm.no
gs.tr.no
gs.va.no
gs.vf.no

// cities
akrehamn.no
krehamn.no
algard.no
lgrd.no
arna.no
brumunddal.no
bryne.no
bronnoysund.no
brnnysund.no
drobak.no
drbak.no
egersund.no
fetsund.no
floro.no
flor.no
fredrikstad.no
hokksund.no
honefoss.no
malselv.no
mlselv.no
malatvuopmi.no
mlatvuopmi.no
namdalseid.no
aejrie.no
namsos.no
namsskogan.no
naamesjevuemie.no
nmesjevuemie.no
laakesvuemie.no
nannestad.no
narvik.no
narviika.no
naustdal.no
nedre-eiker.no
nes.akershus.no
nes.buskerud.no
nesna.no
nesodden.no
nessiby.no
unjarga.no
unjrga.no
nesset.no
nissedal.no
nittedal.no
nord-aurdal.no
nord-fron.no
nord-odal.no
norddal.no
nordkapp.no
davvenjarga.no
davvenjrga.no
nordre-land.no
nordreisa.no
 raisa.no
risa.no
nore-og-uvdal.no
notodden.no
naroy.no
nry.no
noteroy.no
nttery.no
oddal.no
oksnes.no
ksnes.no
oppdal.no
oppegard.no
tynset.no
tysfjord.no
divtasvuodna.no
divttasvuotna.no
tysnes.no
tysvar.no
tysvr.no
tonsberg.no
tnsberg.no
ullensaker.no
ullensvang.no
ulvik.no
utsira.no
vado.no
vads.no
cahcesuolo.no
hcesuolo.no
vaksdal.no
valle.no
vang.no
vanylven.no
vardo.no
vard.no
varggat.no
vrggt.no
vefsn.no
vaapste.no
vega.no
vegarshei.no
vegrshei.no
vennesla.no
verdal.no
verran.no
vestby.no
vestnes.no
vestre-slidre.no
vestre-toten.no
vestvagoy.no
vestvgy.no
vevelstad.no
vik.no
vikna.no
vindafjord.no
volda.no
voss.no
varoy.no
vry.no
vagan.no
om
c.o.m
co.om
c.o.m
com.om
edu.om
gov.om
med.om
museum.om
net.om
org.om
pro.om

onion

org

// pa : http://www.nic.pa/
// Some additional second level "domains" resolve directly as hostnames, such as
// pannet.pa, so we add a rule for "pa".
apa
ac.pa
gob.pa
com.pa
org.pa
sld.pa
edu.pa
net.pa
ing.pa
abo.pa
med.pa
nom.pa

// pe : https://www.nic.pe/InformeFinalComision.pdf
pe
edu.pe
gob.pe
nom.pe
mil.pe
org.pe
com.pe
net.pe

pf
com pf
org pf
edu.pf

// pg : https://en.wikipedia.org/wiki/pg
*.pg

// ph : http://www.domains.ph/FAQ2.asp
// Submitted by registry <jed@email.com.ph>
ph
com.ph
net.ph
org.ph
gov.ph
edu.ph
ngo.ph
mil.ph
i.ph

// pk : http://pk5.pknic.net.pk/pk5/msgNamepk.PK
pk
com.pk
net.pk
edu.pk
org.pk
fam.pk
biz.pk
web.pk
gov.pk
gob.pk
gok.pk
gon.pk
gop.pk
gos.pk
info.pk

// Submitted by registry
pl
com.pl
net.pl
org.pl
aid.pl
agro.pl
atm.pl
auto.pl
biz.pl
edu.pl
gmina.pl
gsm.pl
info.pl
mail.pl
miasta.pl
media.pl
mil.pl
nieruchomosci.pl
nom.pl
pc.pl
powiat.pl
priv.pl
realestate.pl
rel.pl
sex.pl
shop.pl
sklep.pl
sos.pl
szkola.pl
targi.pl
tm.pl
tourism.pl
travel.pl
turystyka.pl
// Government domains
gov.pl
ap.gov.pl
ic.gov.pl
is.gov.pl
us.gov.pl
kmpsp.gov.pl
kppsp.gov.pl
kwpsp.gov.pl
psp.gov.pl
wskr.gov.pl
kwp.gov.pl
mw.gov.pl
ug.gov.pl
um.gov.pl
umig.gov.pl
ugim.gov.pl
upow.gov.pl
uw.gov.pl
starostwo.gov.pl
pa.gov.pl
po.gov.pl
psse.gov.pl
pup.gov.pl
rzgw.gov.pl
sa.gov.pl
so.gov.pl
sr.gov.pl
wsa.gov.pl
sko.gov.pl
uzs.gov.pl
wiib.gov.pl
winb.gov.pl
pinb.gov.pl
wios.gov.pl
witd.gov.pl
wzmniuw.gov.pl
piw.gov.pl
wiw.gov.pl
griw.gov.pl
wif.gov.pl
oum.gov.pl
sdn.gov.pl
zp.gov.pl
uppo.gov.pl
mup.gov.pl
wuoiz.gov.pl
konsulat.gov.pl
oirm.gov.pl
// pl regional domains (http://www.dns.pl/english/index.html)
augustow.pl
babia-gora.pl
bedzin.pl
beskidy.pl
bialowieza.pl
bialystok.pl
bielawa.pl
bieszcady.pl
boleslawiec.pl
bydgoszcz.pl
bytom.pl
cieszyn.pl
czeladz.pl
czest.pl
dlugoleka.pl
elblag.pl
elk.pl
glogow.pl
gniezno.pl
gorlice.pl
grajewo.pl
ilawa.pl
jaworzno.pl
<table>
<thead>
<tr>
<th>City</th>
<th>Domain</th>
</tr>
</thead>
<tbody>
<tr>
<td>jelenia-gora</td>
<td>jelenia-gora.pl</td>
</tr>
<tr>
<td>jgora.pl</td>
<td></td>
</tr>
<tr>
<td>kalisz.pl</td>
<td></td>
</tr>
<tr>
<td>kazimierz-dolny.pl</td>
<td></td>
</tr>
<tr>
<td>karpacz.pl</td>
<td></td>
</tr>
<tr>
<td>kartuzy.pl</td>
<td></td>
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<tr>
<td>kaszuby.pl</td>
<td></td>
</tr>
<tr>
<td>katowice.pl</td>
<td></td>
</tr>
<tr>
<td>kepno.pl</td>
<td></td>
</tr>
<tr>
<td>ketrzyn.pl</td>
<td></td>
</tr>
<tr>
<td>klodzko.pl</td>
<td></td>
</tr>
<tr>
<td>kobierzyce.pl</td>
<td></td>
</tr>
<tr>
<td>kolobrzeg.pl</td>
<td></td>
</tr>
<tr>
<td>konin.pl</td>
<td></td>
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<tr>
<td>konskowola.pl</td>
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<tr>
<td>kutno.pl</td>
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<tr>
<td>lapy.pl</td>
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<tr>
<td>lebork.pl</td>
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<tr>
<td>legnica.pl</td>
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<tr>
<td>lezajsk.pl</td>
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</tr>
<tr>
<td>limanowa.pl</td>
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<tr>
<td>lomza.pl</td>
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<tr>
<td>lowicz.pl</td>
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<tr>
<td>lubin.pl</td>
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<tr>
<td>lukow.pl</td>
<td></td>
</tr>
<tr>
<td>mblork.pl</td>
<td></td>
</tr>
<tr>
<td>malopolska.pl</td>
<td></td>
</tr>
<tr>
<td>mazowsze.pl</td>
<td></td>
</tr>
<tr>
<td>mazury.pl</td>
<td></td>
</tr>
<tr>
<td>mielec.pl</td>
<td></td>
</tr>
<tr>
<td>mielno.pl</td>
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</tr>
<tr>
<td>mragowo.pl</td>
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</tr>
<tr>
<td>naklo.pl</td>
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</tr>
<tr>
<td>nowaruda.pl</td>
<td></td>
</tr>
<tr>
<td>nysa.pl</td>
<td></td>
</tr>
<tr>
<td>olawa.pl</td>
<td></td>
</tr>
<tr>
<td>olecko.pl</td>
<td></td>
</tr>
<tr>
<td>olkus.pl</td>
<td></td>
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<tr>
<td>olsztyn.pl</td>
<td></td>
</tr>
<tr>
<td>opoczno.pl</td>
<td></td>
</tr>
<tr>
<td>opole.pl</td>
<td></td>
</tr>
<tr>
<td>ostroda.pl</td>
<td></td>
</tr>
<tr>
<td>ostroleka.pl</td>
<td></td>
</tr>
<tr>
<td>ostrowiec.pl</td>
<td></td>
</tr>
<tr>
<td>ostrowwlp.pl</td>
<td></td>
</tr>
<tr>
<td>pila.pl</td>
<td></td>
</tr>
<tr>
<td>pisz.pl</td>
<td></td>
</tr>
<tr>
<td>podhale.pl</td>
<td></td>
</tr>
</tbody>
</table>

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Open Source Used In Cisco Unified Contact Center Express 12.5(1) SU2 15233
podlasie.pl
polkowice.pl
pomorze.pl
pomorskie.pl
prochowice.pl
pruszkow.pl
przeworsk.pl
pulawy.pl
radom.pl
rawa-maz.pl
rybnik.pl
rzeshow.pl
sanok.pl
sejny.pl
slask.pl
slupsk.pl
sosnowiec.pl
stalowa-wola.pl
skoczow.pl
starachowice.pl
stargard.pl
suwalki.pl
swidnica.pl
swiebodzin.pl
swinoujscie.pl
szczecin.pl
szczyno.pl
tarnobrzeg.pl
tgory.pl
turek.pl
tychy.pl
ustka.pl
walbrzych.pl
warmia.pl
warszawa.pl
waw.pl
wegrow.pl
wielun.pl
wlocl.pl
wloclawek.pl
wodzislaw.pl
wolomin.pl
wroclaw.pl
zachpomor.pl
zagan.pl
zarow.pl
zgora.pl
zgorzelec.pl
pm

// pn : http://www.government.pn/PnRegistry/policies.htm
pn
gov.pn
co.pn
org.pn
edu.pn
net.pn

post

// pr : http://www.nic.pr/index.asp?f=1
pr
com.pr
net.pr
org.pr
gov.pr
edu.pr
isla.pr
pro.pr
biz.pr
info.pr
name.pr
// these aren't mentioned on nic.pr, but on https://en.wikipedia.org/wiki/.pr
est.pr
prof.pr
ac.pr

// pro : http://registry.pro/get-pro
pro
aaa.pro
aca.pro
acct.pro
avocat.pro
bar.pro
cpa.pro
eng.pro
jur.pro
law.pro
med.pro
recht.pro

// http://www.nic.ps/registration/policy.html#reg
ps
edu.ps
gov.ps
sec.ps
plo.ps
com.ps
org.ps
net.ps

// pt : http://online.dns.pt/dns/start_dns
pt
net.pt
gov.pt
org.pt
edu.pt
int.pt
publ.pt
com.pt
nome.pt

pw
cp.pw
ne.pw
or.pw
ed.pw
go.pw
belau.pw

// py : http://www.nic.py/pautas.html#seccion_9
// Submitted by registry
py
com.py
coop.py
edu.py
gov.py
mil.py
net.py
org.py

qa
com.qa
edu.qa
gov.qa
mil.qa
name.qa
net.qa
org.qa
sch.qa

// re : http://www.afnic.re/obtenir/chartes/nommage-re/annexe-descriptifs
re
asso.re
com.re
nom.re

// ro : http://www.rotld.ro/
ro
arts.ro
com.ro
firm.ro
info.ro
nom.ro
nt.ro
org.ro
rec.ro
store.ro
tm.ro
www.ro

// rs : https://www.rnids.rs/en/domains/national-domains
rs
ac.rs
co.rs
edu.rs
gov.rs
in.rs
org.rs

ru
ac.ru
edu.ru
gov.ru
int.ru
mil.ru
test.ru

// rw : https://www.ricta.org.rw/sites/default/files/resources/registry_registrar_contract_0.pdf
rw
ac.rw
co.rw
coop.rw
gov.rw
mil.rw
net.rw
org.rw

// sa : http://www.nic.net.sa/
sa
com.sa
net.sa
org.sa
gov.sa
med.sa
pub.sa
edu.sa
sch.sa

// sb : http://www.sbnic.net.sb/
// Submitted by registry <lee.humphries@telekom.com.sb>
sb
com.sb
edu.sb
gov.sb
net.sb
org.sb

// sc : http://www.nic.sc/
sc
com.sc
gov.sc
net.sc
org.sc
edu.sc

// sd : http://www.isoc.sd/sudanic.isoc.sd/billing_pricing.htm
// Submitted by registry <admin@isoc.sd>
 sd
com.sd
net.sd
org.sd
edu.sd
med.sd
tv.sd
gov.sd
info.sd

// se : https://en.wikipedia.org/wiki.se
// Submitted by registry <patrik.wallstrom@iis.se>
se
a.se
ac.se
sh
com.sh
net.sh
gov.sh
org.sh
mil.sh

si

// sj : No registrations at this time.
// Submitted by registry <jarle@uninett.no>
sj

// list of 2nd level domains ?
sk

// sl : http://www.nic.sl
// Submitted by registry <adam@neoip.com>
sl
com.sl
net.sl
edu.sl
gov.sl
org.sl

sm

sn
art.sn
com.sn
edu.sn
gouv.sn
org.sn
perso.sn
univ.sn

// so : http://www.soregistry.com/
so
com.so
net.so
org.so

sr
edu.to
mil.to

// tr : https://nic.tr/
// https://nic.tr/forms/eng/policies.pdf

tr
av.tr
bbs.tr
bel.tr
biz.tr
com.tr
dr.tr
edu.tr
gen.tr
gov.tr
info.tr
mil.tr
k12.tr
kep.tr
name.tr
net.tr
org.tr
pol.tr
tel.tr
tsk.tr
tv.tr
web.tr

// Used by Northern Cyprus

nc.tr
// Used by government agencies of Northern Cyprus
gov.nc.tr

// tt : http://www.nic.tt/
tt
co.tt
com.tt
org.tt
net.tt
biz.tt
info.tt
pro.tt
int.tt
coop.tt
jobs.tt
mobi.tt
travel.tt
museum.tt
aero.tt
name.tt
gov.tt
edu.tt

// Not listing any 2LDs as reserved since none seem to exist in practice,
// Wikipedia notwithstanding.
tv

tw

tw
edu.tw
gov.tw
mil.tw
com.tw
net.tw
org.tw
idv.tw
game.tw
ebiz.tw
club.tw	w	w	w

// tz : http://www.tznic.or.tz/index.php/domains
// Submitted by registry <manager@tznic.or.tz>
tz
tz
ac.tz
co.tz
go.tz
hotel.tz
info.tz
me.tz
mil.tz
mobi.tz
ne.tz
or.tz
sc.tz
tv.tz

// ua : https://hostmaster.ua/policy/?ua
// Submitted by registry <dk@cctld.ua>
ua
// ua 2LD
com.ua
edu.ua
gov.ua
in.ua
net.ua
org.ua
// ua geographic names
// https://hostmaster.ua/2ld/
cherkassya.ua
cherkasya.ua
chernigova.ua
chernihiva.ua
chernivtsia.ua
chernovtsy.ua
c.ka
ca
cri
crimea.ua
cv.ua
dn.ua
dnepropetrovsk.ua
dnepropetrovsk.ua
dominic.ua
donetsk.ua
dp.ua
if.ua
ivano-frankivska.ua
kh.ua
kharkiva.ua
kharkova.ua
khersona.ua
khmelnitska.ua
khmelnytskyi.ua
kieva.ua
kirovogradea.ua
km.ua
kr.ua
krym.ua
ks.ua
kv.ua
kyiv.ua
lg.ua
lt.ua
lugansk.ua
lutsk.ua
lv.ua
lviv.ua
mk.ua
mykolaiva.ua
nikolaev.ua
od.ua
odesa.ua
odessa.ua
pl.ua
poltava.ua
rivne.ua
rovno.ua
rv.ua
sb.ua
sebastopol.ua
sevastopol.ua
sm.ua
sumy.ua
tea.ua
ternopil.ua
uz.ua
uzhgorod.ua
vinnica.ua
vinnytsia.ua
vn.ua
volyn.ua
yalta.ua
zaporizhzhe.ua
zaporizhzhia.ua
zhitomir.ua
zhytomyr.ua
zp.ua
zt.ua

// ug : https://www.registry.co.ug/
ug
c0.ug
or.ug
ac.ug
sc.ug
go.ug
ne.ug
com.ug
org.ug

// uk : https://en.wikipedia.org/wiki/.uk
// Submitted by registry <Michael.Daly@nominet.org.uk>
uk
ac.uk
c0.uk
gov.uk
ltd.uk
me.uk
net.uk
nhs.uk
org.uk
plc.uk
police.uk
*sch.uk

us
dni.us
fed.us
isa.us
kids.us
nsn.us
// us geographic names
ak.us
al.us
ar.us
as.us
az.us
ca.us
co.us
ct.us
dc.us
dc.us
fl.us
ga.us
gu.us
hi.us
ia.us
id.us
il.us
in.us
ks.us
ky.us
la.us
ma.us
md.us
me.us
mi.us
mn.us
mo.us
ms.us
mt.us
nc.us
nd.us
ne.us
nh.us
nj.us
nm.us
nv.us
ny.us
oh.us
ok.us
or.us
pa.us
pr.us
ri.us
sc.us
sd.us
tn.us
tx.us
ut.us
vi.us
vt.us
va.us
wa.us
wv.us
wy.us

// The registrar notes several more specific domains available in each state,
// such as state.*, us, dst.*, us, etc., but resolution of these is somewhat
// haphazard; in some states these domains resolve as addresses, while in others
// only subdomains are available, or even nothing at all. We include the
// most common ones where it's clear that different sites are different
// entities.
k12.ak.us
k12.al.us
k12.ar.us
k12.as.us
k12.az.us
k12.ca.us
k12.co.us
k12.ct.us
k12.dc.us
k12.de.us
k12.fl.us
k12.ga.us
k12.gu.us

// k12.hi.us  Bug 614565 - Hawaii has a state-wide DOE login
k12.ia.us
k12.id.us
k12.il.us
k12.in.us
k12.ks.us
k12.ky.us
k12.la.us
k12.ma.us
k12.md.us
k12.me.us
k12.mi.us
k12.mn.us
k12.mo.us
k12.ms.us
k12.mt.us
k12.nc.us
// k12.nd.us Bug 1028347 - Removed at request of Travis Rosso <trossow@nd.gov>
k12.ne.us
k12.nh.us
k12.nj.us
k12.nm.us
k12.nv.us
k12.ny.us
k12.oh.us
k12.ok.us
k12.or.us
k12.pa.us
k12.pr.us
k12.ri.us
k12.sc.us
// k12.sd.us Bug 934131 - Removed at request of James Booze <James.Booze@k12.sd.us>
k12.tn.us
k12.tx.us
k12.ut.us
k12.vi.us
k12.vt.us
k12.va.us
k12.wa.us
k12.wi.us
// k12.wv.us Bug 947705 - Removed at request of Verne Britton <verne@wvnet.edu>
k12.wy.us
c.c.ak.us
c.c.al.us
c.c.ar.us
c.c.as.us
c.c.az.us
c.c.ca.us
c.c.co.us
c.c.ct.us
c.c.dc.us
c.c.de.us
c.c.fl.us
c.c.ga.us
c.c.gu.us
lib.co.us
lib.ct.us
lib.dc.us

// lib.de.us  Issue #243 - Moved to Private section at request of Ed Moore <Ed.Moore@lib.de.us>
lib.fl.us
lib.ga.us
lib.gu.us
lib.hi.us
lib.ia.us
lib.id.us
lib.il.us
lib.in.us
lib.ks.us
lib.ky.us
lib.la.us
lib.ma.us
lib.md.us
lib.me.us
lib.mi.us
lib.mn.us
lib.mo.us
lib.ms.us
lib.mt.us
lib.nc.us
lib.nd.us
lib.ne.us
lib.nh.us
lib.nj.us
lib.nm.us
lib.nv.us
lib.ny.us
lib.oh.us
lib.ok.us
lib.or.us
lib.pa.us
lib.pr.us
lib.ri.us
lib.sc.us
lib.sd.us
lib.tn.us
lib.tx.us
lib.ut.us
lib.vi.us
lib vt.us
lib.va.us
lib.wa.us
lib.wi.us

// lib.wv.us  Bug 941670 - Removed at request of Larry W Arnold <arnold@wvlc.lib.wv.us>
lib.wy.us
// k12.ma.us contains school districts in Massachusetts. The 4LDs are
// managed independently except for private (PVT), charter (CHTR) and
// parochial (PAROCH) schools. Those are delegated directly to the
// 5LD operators. <k12-ma-hostmaster _ at _ rsuc.gweep.net>
pvt.k12.ma.us
chtr.k12.ma.us
paroch.k12.ma.us
// Merit Network, Inc. maintains the registry for =~ /(k12|cc|lib).mi.us/ and the following
// see also: http://domreg.merit.edu
// see also: whois -h whois.domreg.merit.edu help
ann-arbor.mi.us
cog.mi.us
dst.mi.us
eaton.mi.us
gen.mi.us
mus.mi.us
tec.mi.us
washtenaw.mi.us

// uy : http://www.nic.org.uy/
uy
com.uy
edu.uy
gub.uy
mil.uy
net.uy
org.uy

// uz : http://www.reg.uz/
uz
c.co.uz
com.uz
net.uz
org.uz

// va : https://en.wikipedia.org/wiki/ .va
va

// Submitted by registry <kshah@ca.afilias.info>
vc
com.vc
net.vc
org.vc
gov.vc
mil.vc
edu.vc
// ve : https://registro.nic.ve/
// Submitted by registry
ve
arts.ve
co.ve
com.ve
e12.ve
edu.ve
firm.ve
gob.ve
gov.ve
info.ve
int.ve
mil.ve
net.ve
org.ve
rec.ve
store.ve
tec.ve
web.ve

// vg : https://en.wikipedia.org/wiki/vg
vg

// vi : http://www.nic.vi/newdomaininform.htm
// http://www.nic.vi/Domain_Rules/body_domain_rules.html indicates some other
// TLDs are "reserved", such as edu.vi and gov.vi, but doesn't actually say they
// are available for registration (which they do not seem to be).
vi
c0.vi
com.vi
k12.vi
net.vi
org.vi

// vn : https://www.dot.vn/vnnic/vnnic/domainregistration.jsp
vn
com.vn
net.vn
org.vn
edu.vn
gov.vn
int.vn
ac.vn
biz.vn
info.vn
name.vn
pro.vn
health.vn

// http://www.vunic.vu/
vu
com.vu
edu.vu
net.vu
org.vu

wf

// ws : https://en.wikipedia.org/wiki/ws
// http://samoanic.ws/index.dhtml
ws
com.ws
net.ws
org.ws
gov.ws
edu.ws

yt

// IDN ccTLDs
// When submitting patches, please maintain a sort by ISO 3166 ccTLD, then
// U-label, and follow this format:
// A-Label (<Latin renderings>, <language name>[, variant info]) : <ISO 3166 ccTLD>
// [sponsoring org]
// U-Label

// xn--mgbaam7a8h ("Emerat", Arabic) : AE
// http://nic.ae/english/arabicdomain/rules.jsp

// xn--y9a3aq ("hye", Armenian) : AM
// ISOC AM (operated by .am Registry)

// xn--54b7fta0cc ("Bangla", Bangla) : BD

// xn--90ae ("bg", Bulgarian) : BG

// xn--90ais ("bel", Belarusian/Russian Cyrillic) : BY
// Operated by .by registry

// xn--fiqs8s ("Zhongguo/China", Chinese, Simplified) : CN
// CNNIC

// xn--fiqz9s ("Zhongguo/China", Chinese, Traditional) : CN
// CNNIC

// xn--lgbbat1ad8j ("Algeria/Al Jazair", Arabic) : DZ

// xn--wgbh1c ("Egypt/Masr", Arabic) : EG
// http://www.dotmasr.eg/

// xn--e1a4c ("eu", Cyrillic) : EU

// xn--node ("ge", Georgian Mkhedruli) : GE

// xn--qxam ("el", Greek) : GR
// Hellenic Ministry of Infrastructure, Transport, and Networks

// xn--j6w193g ("Hong Kong", Chinese) : HK
// https://www.hkirc.hk
// Submitted by registry <hk.tech@hkirc.hk>
// https://www.hkirc.hk/content.jsp?id=30#!/34

// xn--2scrj9c ("Bharat", Kannada) : IN
// India

// xn--3hcrj9c ("Bharat", Oriya) : IN
// India
// xn--45br5cy1 ("Bharatam", Assamese) : IN
// India

// xn--h2breg3eve ("Bharatam", Sanskrit) : IN
// India

// xn--h2brj9c8c ("Bharot", Santali) : IN
// India

// xn--mgbgu82a ("Bharat", Sindhi) : IN
// India

// xn--rvce0am3e ("Bharatam", Malayalam) : IN
// India

// xn--h2brj9c ("Bharat", Devanagari) : IN
// India

// xn--mgbbh1a ("Bharat", Kashmiri) : IN
// India

// xn--mgbbh1a71e ("Bharat", Arabic) : IN
// India

// xn--fprcj9c3d ("Bharat", Telugu) : IN
// India

// xn--gecrj9c ("Bharat", Gujarati) : IN
// India

// xn--s9brj9c ("Bharat", Gurmukhi) : IN
// India

// xn--45brj9c ("Bharat", Bengali) : IN
// India
// xn--mix082f ("Macao", Chinese, Simplified) : MO

// xn--mgbx4cd0ab ("Malaysia", Malay) : MY

// xn--mgb9awbf ("Oman", Arabic) : OM

// xn--mgbai9azgqp6j ("Pakistan", Urdu/Arabic) : PK

// xn--mgbai9a5eva00b ("Pakistan", Urdu/Arabic, variant) : PK

// xn--ygbi2ammx ("Falasteen", Arabic) : PS
// The Palestinian National Internet Naming Authority (PNINA)
// http://www.pnina.ps

// xn--90a3ac ("srb", Cyrillic) : RS

// xn--p1ai ("rf", Russian-Cyrillic) : RU

// xn--wgb16a ("Qatar", Arabic) : QA
// http://www.ict.gov.qa/

// xn--mgberp4a5d4ar ("AlSaudiah", Arabic) : SA
// http://www.nic.net.sa/

// xn--mgberp4a5d4a87g ("AlSaudiah", Arabic, variant) : SA

// xn--mbqly7c0a67fbc ("AlSaudiah", Arabic, variant) : SA
// xn--mgb2ddes ("AlYemen", Arabic) : YE

// xxx : http://icmregistry.com
xxx

// ye : http://www.y.net.ye/services/domain_name.htm
*.*.ye

// za : https://www.zadna.org.za/content/page/domain-information/
ac.za
agric.za
alt.za
co.za
edu.za
gov.za
grondar.za
law.za
mil.za
net.za
ngo.za
nic.za
nis.za
nom.za
org.za
school.za
tm.za
web.za

// zm : https://zicta.zm/
// Submitted by registry <info@zicta.zm>
zm
ac.zm
biz.zm
co.zm
com.zm
edu.zm
gov.zm
info.zm
mil.zm
net.zm
org.zm
sch.zm

// zw : https://www.potraz.gov.zw/
// Confirmed by registry <bmtengwa@potraz.gov.zw> 2017-01-25
zw
ac.zw
co.zw
gov.zw
mil.zw
org.zw

// newGTLDs

// List of new gTLDs imported from https://www.icann.org/resources/registries/gtlds/v2/gtlds.json on 2019-08-08T16:16:58Z
// This list is auto-generated, don't edit it manually.
// aaa : 2015-02-26 American Automobile Association, Inc.
aaa

// aarp : 2015-05-21 AARP
aarp

// abarth : 2015-07-30 Fiat Chrysler Automobiles N.V.
abarth

// abb : 2014-10-24 ABB Ltd
abb

abbott

// abbvie : 2015-07-30 AbbVie Inc.
abbvie

abc

// able : 2015-06-25 Able Inc.
able

abogado

// abudhabi : 2015-07-30 Abu Dhabi Systems and Information Centre
abudhabi

// academy : 2013-11-07 Binky Moon, LLC
academy

// accenture : 2014-08-15 Accenture plc
accenture

// accountant : 2014-11-20 dot Accountant Limited
airbus

// airforce : 2014-03-06 Dog Beach, LLC
airforce

airtel

// akdn : 2015-04-23 Fondation Aga Khan (Aga Khan Foundation)
akdn

// alfaromeo : 2015-07-31 Fiat Chrysler Automobiles N.V.
alfaromeo

// alibaba : 2015-01-15 Alibaba Group Holding Limited
alibaba

// alipay : 2015-01-15 Alibaba Group Holding Limited
alipay

// allfinanz : 2014-07-03 Allfinanz Deutsche Vermogensberatung Aktiengesellschaft
allfinanz

// allstate : 2015-07-31 Allstate Fire and Casualty Insurance Company
allstate

ally

// alsace : 2014-07-02 Region Grand Est
alsace

// alstom : 2015-07-30 ALSTOM
alstom

// americanexpress : 2015-07-31 American Express Travel Related Services Company, Inc.
americanexpress

// americanfamily : 2015-07-23 AmFam, Inc.
americanfamily

// amex : 2015-07-31 American Express Travel Related Services Company, Inc.
amex

// amfam : 2015-07-23 AmFam, Inc.
amfam

// amica : 2015-05-28 Amica Mutual Insurance Company
amica

// amsterdam : 2014-07-24 Gemeente Amsterdam
amsterdam

// analytics : 2014-12-18 Campus IP LLC
analytics

// android : 2014-08-07 Charleston Road Registry Inc.
android

// anquan : 2015-01-08 QIHOO 360 TECHNOLOGY CO. LTD.
anquan

// anz : 2015-07-31 Australia and New Zealand Banking Group Limited
anz

// aol : 2015-09-17 Oath Inc.
aol

// apartments : 2014-12-11 Binky Moon, LLC
apartments

// app : 2015-05-14 Charleston Road Registry Inc.
app

// apple : 2015-05-14 Apple Inc.
apple

aquarelle

// arab : 2015-11-12 League of Arab States
arab

// aramco : 2014-11-20 Aramco Services Company
aramco

// archi : 2014-02-06 Afilias Limited
archi

// army : 2014-03-06 Dog Beach, LLC
army

// art : 2016-03-24 UK Creative Ideas Limited
art

arte

 asda

// associates : 2014-03-06 Binky Moon, LLC
 associates

 athleta

// attorney : 2014-03-20 Dog Beach, LLC
 attorney

// auction : 2014-03-20 Dog Beach, LLC
 auction

// audi : 2015-05-21 AUDI Aktiengesellschaft
 audi

// audible : 2015-06-25 Amazon Registry Services, Inc.
 audible

// audio : 2014-03-20 Uniregistry, Corp.
 audio

// auspost : 2015-08-13 Australian Postal Corporation
 auspost

// author : 2014-12-18 Amazon Registry Services, Inc.
 author

// auto : 2014-11-13 CarsRegistry Limited
 auto

// autos : 2014-01-09 DERAutos, LLC
 autos

// avianca : 2015-01-08 Aerovias del Continente Americano S.A. Avianca
 avianca

// aws : 2015-06-25 Amazon Registry Services, Inc.
 aws

// axa : 2013-12-19 AXA SA
 axa

// azure : 2014-12-18 Microsoft Corporation
azure

// baby : 2015-04-09 XYZ.COM LLC
baby

// baidu : 2015-01-08 Baidu, Inc.
baidu

banamex

bananarepublic

// band : 2014-06-12 Dog Beach, LLC
band

// bank : 2014-09-25 fTLD Registry Services LLC
bank

// bar : 2013-12-12 Punto 2012 Sociedad Anonima Promotora de Inversion de Capital Variable
bar

// barcelona : 2014-07-24 Municipi de Barcelona
barcelona

// barclaycard : 2014-11-20 Barclays Bank PLC
barclaycard

// barclays : 2014-11-20 Barclays Bank PLC
barclays

// barefoot : 2015-06-11 Gallo Vineyards, Inc.
barefoot

// bargains : 2013-11-14 Binky Moon, LLC
bargains

// baseball : 2015-10-29 MLB Advanced Media DH, LLC
baseball

// basketball : 2015-08-20 Fdration Internationale de Basketball (FIBA)
basketball

// bauhaus : 2014-04-17 Werkhaus GmbH
bauhaus

// bayern : 2014-01-23 Bayern Connect GmbH
bofa

// bom : 2014-10-16 Ncleo de Informao e Coordenao do Ponto BR - NIC.br
bom

// bond : 2014-06-05 ShortDot SA
bond

boo

// book : 2015-08-27 Amazon Registry Services, Inc.
book

// booking : 2015-07-16 Booking.com B.V.
booking

// bosch : 2015-06-18 Robert Bosch GMBH
bosch

// bostik : 2015-05-28 Bostik SA
bostik

// boston : 2015-12-10 Boston TLD Management, LLC
boston

// bot : 2014-12-18 Amazon Registry Services, Inc.
bot

// boutique : 2013-11-14 Binky Moon, LLC
boutique

// box : 2015-11-12 .BOX INC.
box

// bradesco : 2014-12-18 Banco Bradesco S.A.
bradesco

// bridgestone : 2014-12-18 Bridgestone Corporation
bridgestone

// broadway : 2014-12-22 Celebrate Broadway, Inc.
broadway

// broker : 2014-12-11 Dotbroker Registry Limited
broker

// brother : 2015-01-29 Brother Industries, Ltd.
brother

// brussels : 2014-02-06 DNS.be vzw
brussels

// budapest : 2013-11-21 Minds + Machines Group Limited
budapest

// bugatti : 2015-07-23 Bugatti International SA
bugatti

// build : 2013-11-07 Plan Bee LLC
build

// builders : 2013-11-07 Binky Moon, LLC
builders

// business : 2013-11-07 Binky Moon, LLC
business

// buy : 2014-12-18 Amazon Registry Services, Inc.
buy

// buzz : 2013-10-02 DOTSTRATEGY CO.
buzz

bzh

// cab : 2013-10-24 Binky Moon, LLC
cab

// cafe : 2015-02-11 Binky Moon, LLC
cafe

cal

// call : 2014-12-18 Amazon Registry Services, Inc.
call

// calvinklein : 2015-07-30 PVH gTLD Holdings LLC
calvinklein

// cam : 2016-04-21 AC Webconnecting Holding B.V.
cam

// camera : 2013-08-27 Binky Moon, LLC
case

// caseih : 2015-09-03 CNH Industrial N.V.
caseih

// cash : 2014-03-06 Binky Moon, LLC
cash

// casino : 2014-12-18 Binky Moon, LLC
casino

// catering : 2013-12-05 Binky Moon, LLC
catering

catholic

// cba : 2014-06-26 COMMONWEALTH BANK OF AUSTRALIA
cba

cbn

// cbre : 2015-07-02 CBRE, Inc.
cbre

// cbs : 2015-08-06 CBS Domains Inc.
cbs

// ceb : 2015-04-09 The Corporate Executive Board Company
ceb

// center : 2013-11-07 Binky Moon, LLC
center

// ceo : 2013-11-07 CEOTLD Pty Ltd
ceo

cern

// cfa : 2014-08-28 CFA Institute
cfa

// cfd : 2014-12-11 DotCFD Registry Limited
cfd
// chanel : 2015-04-09 Chanel International B.V.
chanel

// channel : 2014-05-08 Charleston Road Registry Inc.
channel

// charity : 2018-04-11 Binky Moon, LLC
charity

// chase : 2015-04-30 JPMorgan Chase Bank, National Association
chase

// chat : 2014-12-04 Binky Moon, LLC
chat

// cheap : 2013-11-14 Binky Moon, LLC
cheap

// chintai : 2015-06-11 CHINTAI Corporation
chintai

// christmas : 2013-11-21 Uniregistry, Corp.
christmas

// chrome : 2014-07-24 Charleston Road Registry Inc.
chrome

// chrysler : 2015-07-30 FCA US LLC.
chrysler

// church : 2014-02-06 Binky Moon, LLC
church

// cipriani : 2015-02-19 Hotel Cipriani Srl
cipriani

// circle : 2014-12-18 Amazon Registry Services, Inc.
circle

// cisco : 2014-12-22 Cisco Technology, Inc.
cisco

// citadel : 2015-07-23 Citadel Domain LLC
citadel

citi
// citic : 2014-01-09 CITIC Group Corporation
citic

// city : 2014-05-29 Binky Moon, LLC
city

cityeats

// claims : 2014-03-20 Binky Moon, LLC
claims

// cleaning : 2013-12-05 Binky Moon, LLC
cleaning

click

// clinic : 2014-03-20 Binky Moon, LLC
clinic

// clinique : 2015-10-01 The Este Lauder Companies Inc.
clinique

// clothing : 2013-08-27 Binky Moon, LLC
clothing

// cloud : 2015-04-16 Aruba PEC S.p.A.
cloud

// club : 2013-11-08 .CLUB DOMAINS, LLC
club

// clubmed : 2015-06-25 Club Mediterrane S.A.
clubmed

// coach : 2014-10-09 Binky Moon, LLC
coach

// codes : 2013-10-31 Binky Moon, LLC
codes

// coffee : 2013-10-17 Binky Moon, LLC
coffee

// college : 2014-01-16 XYZ.COM LLC
college
// cologne : 2014-02-05 dotKoeln GmbH
cologne

// comcast : 2015-07-23 Comcast IP Holdings I, LLC
comcast

// commbank : 2014-06-26 COMMONWEALTH BANK OF AUSTRALIA
commbank

// community : 2013-12-05 Binky Moon, LLC
community

// company : 2013-11-07 Binky Moon, LLC
company

// compare : 2015-10-08 Registry Services, LLC
compare

// computer : 2013-10-24 Binky Moon, LLC
computer

// comsec : 2015-01-08 VeriSign, Inc.
comsec

// condos : 2013-12-05 Binky Moon, LLC
condos

// construction : 2013-09-16 Binky Moon, LLC
construction

// consulting : 2013-12-05 Dog Beach, LLC
consulting

// contact : 2015-01-08 Dog Beach, LLC
contact

// contractors : 2013-09-10 Binky Moon, LLC
contractors

// cooking : 2013-11-21 Minds + Machines Group Limited
cooking

// cookingchannel : 2015-07-02 Lifestyle Domain Holdings, Inc.
cookingchannel

// cool : 2013-11-14 Binky Moon, LLC
cool
// dunlop : 2015-07-02 The Goodyear Tire & Rubber Company
dunlop

// duns : 2015-08-06 The Dun & Bradstreet Corporation
duns

dupont

// durban : 2014-03-24 ZA Central Registry NPC trading as ZA Central Registry
durban

// dvag : 2014-06-23 Deutsche Vermogensberatung Aktiengesellschaft DVAG
dvag

// dvr : 2016-05-26 DISH Technologies L.L.C.
dvr

// earth : 2014-12-04 Interlink Co., Ltd.
earth

// eat : 2014-01-23 Charleston Road Registry Inc.
eat

// eco : 2016-07-08 Big Room Inc.
eco

// edeka : 2014-12-18 EDEKA Verband kaufmännischer Genossenschaften e.V.
edeka

// education : 2013-11-07 Binky Moon, LLC
education

// email : 2013-10-31 Binky Moon, LLC
email

// emerck : 2014-04-03 Merck KGaA
emerck

// energy : 2014-09-11 Binky Moon, LLC
energy

// engineer : 2014-03-06 Dog Beach, LLC
engineer

// engineering : 2014-03-06 Binky Moon, LLC
engineering
// flights : 2013-12-05 Binky Moon, LLC
flights

flir

// florist : 2013-11-07 Binky Moon, LLC
florist

flowers

// fly : 2014-05-08 Charleston Road Registry Inc.
fly

// foo : 2014-01-23 Charleston Road Registry Inc.
foo

// food : 2016-04-21 Lifestyle Domain Holdings, Inc.
food

// foodnetwork : 2015-07-02 Lifestyle Domain Holdings, Inc.
foodnetwork

// football : 2014-12-18 Binky Moon, LLC
football

ford

// forex : 2014-12-11 Dotforex Registry Limited
forex

// forsale : 2014-05-22 Dog Beach, LLC
forsale

// forum : 2015-04-02 Fegistry, LLC
forum

// foundation : 2013-12-05 Binky Moon, LLC
foundation

// fox : 2015-09-11 FOX Registry, LLC
fox

// free : 2015-12-10 Amazon Registry Services, Inc.
free
// fresenius: 2015-07-30 Fresenius Immobilien-Verwaltungs-GmbH
fresenius

frl

// frogans: 2013-12-19 OP3FT
frogans

// frontdoor: 2015-07-02 Lifestyle Domain Holdings, Inc.
frontdoor

// frontier: 2015-02-05 Frontier Communications Corporation
frontier

// ftr: 2015-07-16 Frontier Communications Corporation
ftr

// fujitsu: 2015-07-30 Fujitsu Limited
fujitsu

// fujixerox: 2015-07-23 Xerox DNHC LLC
fujixerox

// fun: 2016-01-14 DotSpace Inc.
fun

// fund: 2014-03-20 Binky Moon, LLC
fund

// furniture: 2014-03-20 Binky Moon, LLC
furniture

// futbol: 2013-09-20 Dog Beach, LLC
futbol

// fyi: 2015-04-02 Binky Moon, LLC
fyi

// gal: 2013-11-07 Asociación puntoGAL
gal

// gallery: 2013-09-13 Binky Moon, LLC
gallery

gallo
// giving : 2014-11-13 Giving Limited
giving

glade

// glass : 2013-11-07 Binky Moon, LLC
glass

// gle : 2014-07-24 Charleston Road Registry Inc.
gle

// global : 2014-04-17 Dot Global Domain Registry Limited
global

// globo : 2013-12-19 Globo Comunicao e Participaes S.A
globo

// gmail : 2014-05-01 Charleston Road Registry Inc.
gmail

// gmbh : 2016-01-29 Binky Moon, LLC
gmbh

// gmo : 2014-01-09 GMO Internet Pte. Ltd.
gmo

// gmx : 2014-04-24 1&1 Mail & Media GmbH
gmx

// godaddy : 2015-07-23 Go Daddy East, LLC
godaddy

// gold : 2015-01-22 Binky Moon, LLC
gold

// goldpoint : 2014-11-20 YODOBASHI CAMERA CO.,LTD.
goldpoint

// golf : 2014-12-18 Binky Moon, LLC
golf

// goo : 2014-12-18 NTT Resonant Inc.
go

// goodyear : 2015-07-02 The Goodyear Tire & Rubber Company
goodyear
// guru : 2013-08-27 Binky Moon, LLC
guru

// hair : 2015-12-03 L'Oral
hair

// hamburg : 2014-02-20 Hamburg Top-Level-Domain GmbH
hamburg

// hangout : 2014-11-13 Charleston Road Registry Inc.
hangout

// haus : 2013-12-05 Dog Beach, LLC
haus

// hbo : 2015-07-30 HBO Registry Services, Inc.
hbo

// hdfc : 2015-07-30 HOUSING DEVELOPMENT FINANCE CORPORATION LIMITED
hdfc

// hdfcbank : 2015-02-12 HDFC Bank Limited
hdfcbank

// health : 2015-02-11 DotHealth, LLC
health

// healthcare : 2014-06-12 Binky Moon, LLC
healthcare

help

// helsinki : 2015-02-05 City of Helsinki
helsinki

// here : 2014-02-06 Charleston Road Registry Inc.
here

// hermes : 2014-07-10 HERMES INTERNATIONAL
hermes

// hgtv : 2015-07-02 Lifestyle Domain Holdings, Inc.
hgtv

// hiphop : 2014-03-06 Uniregistry, Corp.
hiphop
hisamitsu

hitachi

hiv

// hkt : 2015-05-14 PCCW-HKT DataCom Services Limited
hkt

// hockey : 2015-03-19 Binky Moon, LLC
hockey

// holdings : 2013-08-27 Binky Moon, LLC
holdings

// holiday : 2013-11-07 Binky Moon, LLC
holiday

// homedepot : 2015-04-02 Home Depot Product Authority, LLC
homedepot

// homegoods : 2015-07-16 The TJX Companies, Inc.
homegoods

// homes : 2014-01-09 DERHomes, LLC
homes

// homesense : 2015-07-16 The TJX Companies, Inc.
homesense

honda

// horse : 2013-11-21 Minds + Machines Group Limited
horse

// hospital : 2016-10-20 Binky Moon, LLC
hospital

// host : 2014-04-17 DotHost Inc.
host

hosting
hot: 2015-08-27 Amazon Registry Services, Inc.

hoteles: 2015-03-05 Travel Reservations SRL

hotels: 2016-04-07 Booking.com B.V.

hotmail: 2014-12-18 Microsoft Corporation

house: 2013-11-07 Binky Moon, LLC

how: 2014-01-23 Charleston Road Registry Inc.

hsbc: 2014-10-24 HSBC Global Services (UK) Limited

hughes: 2015-07-30 Hughes Satellite Systems Corporation

hyatt: 2015-07-30 Hyatt GTLD, L.L.C.

hyundai: 2015-07-09 Hyundai Motor Company

ibm: 2014-07-31 International Business Machines Corporation

icbc: 2015-02-19 Industrial and Commercial Bank of China Limited


icu: 2015-01-08 ShortDot SA

ieee: 2015-07-23 IEEE Global LLC

ifm: 2014-01-30 ifm electronic gmbh
// investments : 2014-03-20 Binky Moon, LLC
investments

// ipiranga : 2014-08-28 Ipiranga Produtos de Petroleo S.A.
ipiranga

// irish : 2014-08-07 Binky Moon, LLC
irish

// ismaili : 2015-08-06 Fondation Aga Khan (Aga Khan Foundation)
ismaili

// ist : 2014-08-28 Istanbul Metropolitan Municipality
ist

// istanbul : 2014-08-28 Istanbul Metropolitan Municipality
istanbul

// itau : 2014-10-02 Itau Unibanco Holding S.A.
itau

// itv : 2015-07-09 ITV Services Limited
itv

// iveco : 2015-09-03 CNH Industrial N.V.
iveco

// jaguar : 2014-11-13 Jaguar Land Rover Ltd
jaguar

// java : 2014-06-19 Oracle Corporation
java

jcb

// jcp : 2015-04-23 JCP Media, Inc.
jcp

// jeep : 2015-07-30 FCA US LLC.
jeep

// jetzt : 2014-01-09 Binky Moon, LLC
jetzt

// jewelry : 2015-03-05 Binky Moon, LLC
jewelry
// kfh : 2014-12-04 Kuwait Finance House
kfh

// kia : 2015-07-09 KIA MOTORS CORPORATION
kia

// kim : 2013-09-23 Afilias Limited
kim

kinder

// kindle : 2015-06-25 Amazon Registry Services, Inc.
kindle

// kitchen : 2013-09-20 Binky Moon, LLC
kitchen

// kiwi : 2013-09-20 DOT KIWI LIMITED
kiwi

// koeln : 2014-01-09 dotKoeln GmbH
koeln

// komatsu : 2015-01-08 Komatsu Ltd.
komatsu

// kosher : 2015-08-20 Kosher Marketing Assets LLC
kosher

// kpmg : 2015-04-23 KPMG International Cooperative (KPMG International Genossenschaft)
kpmg

// kpn : 2015-01-08 Koninklijke KPN N.V.
kpn

// krd : 2013-12-05 KRG Department of Information Technology
krd

// kred : 2013-12-19 KredTLD Pty Ltd
kred

// kuokgroup : 2015-04-09 Kerry Trading Co. Limited
kuokgroup

// kyoto : 2014-11-07 Academic Institution: Kyoto Jyoho Gakuen
kyoto
// lacaixa : 2014-01-09 Fundacion Bancaria Caixa d'Estalvis i Pensions de Barcelona, la Caixa
    lacaixa

// ladbrokes : 2015-08-06 LADBROKES INTERNATIONAL PLC
    ladbrokes

// lamborghini : 2015-06-04 Automobili Lamborghini S.p.A.
    lamborghini

// lamer : 2015-10-01 The Este Lauder Companies Inc.
    lamer

// lancaster : 2015-02-12 LANCASTER
    lancaster

// lancia : 2015-07-31 Fiat Chrysler Automobiles N.V.
    lancia

// lancome : 2015-07-23 L'Oral
    lancome

// land : 2013-09-10 Binky Moon, LLC
    land

// landrover : 2014-11-13 Jaguar Land Rover Ltd
    landrover

// lanxess : 2015-07-30 LANXESS Corporation
    lanxess

// lasalle : 2015-04-02 Jones Lang LaSalle Incorporated
    lasalle

// lat : 2014-10-16 ECOM-LAC Federacion de Latinoamrica y el Caribe para Internet y el Comercio Electronico
    lat

// latino : 2015-07-30 Dish DBS Corporation
    latino

// latrobe : 2014-06-16 La Trobe University
    latrobe

// law : 2015-01-22 LW TLD Limited
    law

// lawyer : 2014-03-20 Dog Beach, LLC
    lawyer
lds : 2014-03-20 IRI Domain Management, LLC ("Applicant")
lds

lease : 2014-03-06 Binky Moon, LLC
lease

leclerc : 2014-08-07 A.C.D. LEC Association des Centres Distributeurs Edouard Leclerc
leclerc

lefrak : 2015-07-16 LeFrak Organization, Inc.
lefrak

legal : 2014-10-16 Binky Moon, LLC
legal

lego : 2015-07-16 LEGO Juris A/S
lego

lexus : 2015-04-23 TOYOTA MOTOR CORPORATION
lexus

lgbt : 2014-05-08 Afilias Limited
lgbt

liaison : 2014-10-02 Liaison Technologies, Incorporated
liaison

lidl : 2014-09-18 Schwarz Domains und Services GmbH & Co. KG
lidl

life : 2014-02-06 Binky Moon, LLC
life

lifeinsurance : 2015-01-15 American Council of Life Insurers
lifeinsurance

lifestyle : 2014-12-11 Lifestyle Domain Holdings, Inc.
lifestyle

lighting : 2013-08-27 Binky Moon, LLC
lighting

like : 2014-12-18 Amazon Registry Services, Inc.
like

lilly : 2015-07-31 Eli Lilly and Company
lilly
// makeup : 2015-01-15 L'Oral makeup

// man : 2014-12-04 MAN SE man

// management : 2013-11-07 Binky Moon, LLC management

// mango : 2013-10-24 PUNTO FA S.L. mango

// map : 2016-06-09 Charleston Road Registry Inc. map

// market : 2014-03-06 Dog Beach, LLC market

// marketing : 2013-11-07 Binky Moon, LLC marketing

// markets : 2014-12-11 Dotmarkets Registry Limited markets

// marriott : 2014-10-09 Marriott Worldwide Corporation marriott

// marshalls : 2015-07-16 The TJX Companies, Inc. marshalls

// maserati : 2015-07-31 Fiat Chrysler Automobiles N.V. maserati

// mattel : 2015-08-06 Mattel Sites, Inc. mattel

// mba : 2015-04-02 Binky Moon, LLC mba


// med : 2015-08-06 Medistry LLC med

// media : 2014-03-06 Binky Moon, LLC media
// meet : 2014-01-16 Charleston Road Registry Inc.
meet

// melbourne : 2014-05-29 The Crown in right of the State of Victoria, represented by its Department of State Development, Business and Innovation
melbourne

meme

// memorial : 2014-10-16 Dog Beach, LLC
memorial

// men : 2015-02-26 Exclusive Registry Limited
men

// menu : 2013-09-11 Dot Menu Registry, LLC
menu

// merckmsd : 2016-07-14 MSD Registry Holdings, Inc.
merckmsd

// metlife : 2015-05-07 MetLife Services and Solutions, LLC
metlife

// miami : 2013-12-19 Minds + Machines Group Limited
miami

// microsoft : 2014-12-18 Microsoft Corporation
microsoft

// mini : 2014-01-09 Bayerische Motoren Werke Aktiengesellschaft
mini

mint

// mit : 2015-07-02 Massachusetts Institute of Technology
mit

// mitsubishi : 2015-07-23 Mitsubishi Corporation
mitsubishi

// mlb : 2015-05-21 MLB Advanced Media DH, LLC
mlb

// mls : 2015-04-23 The Canadian Real Estate Association
mls
mma : 2014-11-07 MMA IARD
mma

mobile : 2016-06-02 Dish DBS Corporation
mobile

mobily : 2014-12-18 GreenTech Consultancy Company W.L.L.
mobily

moda : 2013-11-07 Dog Beach, LLC
moda

moe : 2013-11-13 Interlink Co., Ltd.
moe

moi : 2014-12-18 Amazon Registry Services, Inc.
moi

mom : 2015-04-16 Uniregistry, Corp.
mom

monash : 2013-09-30 Monash University
monash

money : 2014-10-16 Binky Moon, LLC
money

monster : 2015-09-11 XYZ.COM LLC
monster

mopar : 2015-07-30 FCA US LLC.
mopar

mormon : 2013-12-05 IRI Domain Management, LLC ("Applicant")
mormon

mortgage : 2014-03-20 Dog Beach, LLC
mortgage

moscow : 2013-12-19 Foundation for Assistance for Internet Technologies and Infrastructure Development (FAITID)
moscow

moto : 2015-06-04 Motorola Trademark Holdings, LLC
moto

motorcycles : 2014-01-09 DERMotorcycles, LLC
motorcycles

   mov

// movie : 2015-02-05 Binky Moon, LLC
   movie

// movistar : 2014-10-16 Telefnica S.A.
   movistar

// msd : 2015-07-23 MSD Registry Holdings, Inc.
   msd

// mtn : 2014-12-04 MTN Dubai Limited
   mtn

// mtr : 2015-03-12 MTR Corporation Limited
   mtr

// mutual : 2015-04-02 Northwestern Mutual MU TLD Registry, LLC
   mutual

// nab : 2015-08-20 National Australia Bank Limited
   nab

// nadex : 2014-12-11 Nadex Domains, Inc.
   nadex

   nagoya

// nationwide : 2015-07-23 Nationwide Mutual Insurance Company
   nationwide

// natura : 2015-03-12 NATURA COSMTICOS S.A.
   natura

// navy : 2014-03-06 Dog Beach, LLC
   navy

// nba : 2015-07-31 NBA REGISTRY, LLC
   nba

// nec : 2015-01-08 NEC Corporation
   nec

// netbank : 2014-06-26 COMMONWEALTH BANK OF AUSTRALIA
netbank

// netflix : 2015-06-18 Netflix, Inc.
netflix

// network : 2013-11-14 Binky Moon, LLC
network

// neustar : 2013-12-05 Registry Services, LLC
neustar

new

// newholland : 2015-09-03 CNH Industrial N.V.
newholland

// news : 2014-12-18 Dog Beach, LLC
news

// next : 2015-06-18 Next plc
next

// nextdirect : 2015-06-18 Next plc
nextdirect

nexus

// nfl : 2015-07-23 NFL Reg Ops LLC
nfl

// ngo : 2014-03-06 Public Interest Registry
ngo

// nhk : 2014-02-13 Japan Broadcasting Corporation (NHK)
nhk

// nico : 2014-12-04 DWANGO Co., Ltd.
nico

// nike : 2015-07-23 NIKE, Inc.
nike

// nikon : 2015-05-21 NIKON CORPORATION
nikon

// ninja : 2013-11-07 Dog Beach, LLC
ninja

// nissan : 2014-03-27 NISSAN MOTOR CO., LTD.
nissan

// nissay : 2015-10-29 Nippon Life Insurance Company
nissay

// nokia : 2015-01-08 Nokia Corporation
nokia

// northwesternmutual : 2015-06-18 Northwestern Mutual Registry, LLC
northwesternmutual

// norton : 2014-12-04 Symantec Corporation
norton

// now : 2015-06-25 Amazon Registry Services, Inc.
now

nowruz

// nowtv : 2015-05-14 Starbucks (HK) Limited
nowtv

nra

// nrw : 2013-11-21 Minds + Machines GmbH
nrw

// ntt : 2014-10-31 NIPPON TELEGRAPH AND TELEPHONE CORPORATION
ntt

// nyc : 2014-01-23 The City of New York by and through the New York City Department of Information Technology & Telecommunications
nyc

// obi : 2014-09-25 OBI Group Holding SE & Co. KGaA
obi

// observer : 2015-04-30 Top Level Spectrum, Inc.
observer

// off : 2015-07-23 Johnson Shareholdings, Inc.
off
// office : 2015-03-12 Microsoft Corporation
office

// okinawa : 2013-12-05 BRregistry, Inc.
okinawa

// olayan : 2015-05-14 Crescent Holding GmbH
olayan

// olayangroup : 2015-05-14 Crescent Holding GmbH
olayangroup

oldnavy

// ollo : 2015-06-04 Dish DBS Corporation
ollo

// omega : 2015-01-08 The Swatch Group Ltd
omega

// one : 2014-11-07 One.com A/S
one

// ong : 2014-03-06 Public Interest Registry
ong

// onl : 2013-09-16 I-Registry Ltd.
onl

// online : 2015-01-15 DotOnline Inc.
online

// onyourside : 2015-07-23 Nationwide Mutual Insurance Company
onyourside

// ooo : 2014-01-09 INFIBEAM AVENUES LIMITED
ooo

// open : 2015-07-31 American Express Travel Related Services Company, Inc.
open

// oracle : 2014-06-19 Oracle Corporation
oracle

// orange : 2015-03-12 Orange Brand Services Limited
orange
// ping : 2015-06-11 Ping Registry Provider, Inc.
ping

// pink : 2013-10-01 Afilias Limited
pink

// pioneer : 2015-07-16 Pioneer Corporation
pioneer

// pizza : 2014-06-26 Binky Moon, LLC
pizza

// place : 2014-04-24 Binky Moon, LLC
place

// play : 2015-03-05 Charleston Road Registry Inc.
play

// playstation : 2015-07-02 Sony Interactive Entertainment Inc.
playstation

// plumbing : 2013-09-10 Binky Moon, LLC
plumbing

// plus : 2015-02-05 Binky Moon, LLC
plus

// pnc : 2015-07-02 PNC Domain Co., LLC
pnc

// pohl : 2014-06-23 Deutsche Vermogensberatung Aktiengesellschaft DVAG
pohl

// poker : 2014-07-03 Afilias Limited
poker

// politie : 2015-08-20 Politie Nederland
politie

// porn : 2014-10-16 ICM Registry PN LLC
porn

pramerica

// praxi : 2013-12-05 Praxi S.p.A.
praxi
press

// prime : 2015-06-25 Amazon Registry Services, Inc.
prime

// prod : 2014-01-23 Charleston Road Registry Inc.
prod

// productions : 2013-12-05 Binky Moon, LLC
productions

prof

// progressive : 2015-07-23 Progressive Casualty Insurance Company
progressive

// promo : 2014-12-18 Afilias Limited
promo

// properties : 2013-12-05 Binky Moon, LLC
properties

property

// protection : 2015-04-23 XYZ.COM LLC
protection

pru

prudential

// pub : 2013-12-12 Dog Beach, LLC
pub

// pwc : 2015-10-29 PricewaterhouseCoopers LLP
pwc

qpon

// quebec : 2013-12-19 PointQuebec Inc
quebec
// quest : 2015-03-26 Quest ION Limited
quest

qvc

// racing : 2014-12-04 Premier Registry Limited
racing

// radio : 2016-07-21 European Broadcasting Union (EBU)
radio

// raid : 2015-07-23 Johnson Shareholdings, Inc.
raid

// read : 2014-12-18 Amazon Registry Services, Inc.
read

// realestate : 2015-09-11 dotRealEstate LLC
realestate

// realtor : 2014-05-29 Real Estate Domains LLC
realtor

// realty : 2015-03-19 Fegistry, LLC
realty

// recipes : 2013-10-17 Binky Moon, LLC
recipes

// red : 2013-11-07 Afilias Limited
red

redstone

// redumbrella : 2015-03-26 Travelers TLD, LLC
redumbrella

// rehab : 2014-03-06 Dog Beach, LLC
rehab

// reise : 2014-03-13 Binky Moon, LLC
reise

// reisen : 2014-03-06 Binky Moon, LLC
reisen
reit

// reliance : 2015-04-02 Reliance Industries Limited
reliance

// ren : 2013-12-12 Beijing Qianxiang Wangjing Technology Development Co., Ltd.
ren

// rent : 2014-12-04 XYZ.COM LLC
rent

// rentals : 2013-12-05 Binky Moon, LLC
rentals

// repair : 2013-11-07 Binky Moon, LLC
repair

// report : 2013-12-05 Binky Moon, LLC
report

// republican : 2014-03-20 Dog Beach, LLC
republican

// rest : 2013-12-19 Punto 2012 Sociedad Anonima Promotora de Inversion de Capital Variable
rest

// restaurant : 2014-07-03 Binky Moon, LLC
restaurant

// review : 2014-11-20 dot Review Limited
review

// reviews : 2013-09-13 Dog Beach, LLC
reviews

// rexroth : 2015-06-18 Robert Bosch GMBH
rexroth

// rich : 2013-11-21 I-Registry Ltd.
rich

// richardli : 2015-05-14 Pacific Century Asset Management (HK) Limited
richardli

ricoh
// saarland : 2013-12-12 dotSaarland GmbH
saarland

// safe : 2014-12-18 Amazon Registry Services, Inc.
safe

// safety : 2015-01-08 Safety Registry Services, LLC.
safety

// sakura : 2014-12-18 SAKURA Internet Inc.
sakura

// sale : 2014-10-16 Dog Beach, LLC
sale

// salon : 2014-12-11 Binky Moon, LLC
salon

samsclub

// samsung : 2014-04-03 SAMSUNG SDS CO., LTD
samsung

// sandvik : 2014-11-13 Sandvik AB
sandvik

// sandvikcoromant : 2014-11-07 Sandvik AB
sandvikcoromant

// sanofi : 2014-10-09 Sanofi
sanofi

// sap : 2014-03-27 SAP AG
sap

// sarl : 2014-07-03 Binky Moon, LLC
sarl

// sas : 2015-04-02 Research IP LLC
sas

// save : 2015-06-25 Amazon Registry Services, Inc.
save

saxo
// sbi : 2015-03-12 STATE BANK OF INDIA
sbi

// sbs : 2014-11-07 SPECIAL BROADCASTING SERVICE CORPORATION
sbs

// sca : 2014-03-13 SVENSKA CELLULOSA AKTIEBOLAGET SCA (publ)
sca

// scb : 2014-02-20 The Siam Commercial Bank Public Company Limited ("SCB")
scb

// schaeffler : 2015-08-06 Schaeffler Technologies AG & Co. KG
schaeffler

// schmidt : 2014-04-03 SCHMIDT GROUPE S.A.S.
schmidt

scholarships

// school : 2014-12-18 Binky Moon, LLC
school

// schule : 2014-03-06 Binky Moon, LLC
schule

// schwarz : 2014-09-18 Schwarz Domains und Services GmbH & Co. KG
schwarz

// science : 2014-09-11 dot Science Limited
science

// scjohnson : 2015-07-23 Johnson Shareholdings, Inc.
scjohnson

// scor : 2014-10-31 SCOR SE
scor

// scot : 2014-01-23 Dot Scot Registry Limited
scot

// search : 2016-06-09 Charleston Road Registry Inc.
search

seat
// secure : 2015-08-27 Amazon Registry Services, Inc.
secure

// security : 2015-05-14 XYZ.COM LLC
security

// seek : 2014-12-04 Seek Limited
seek

// select : 2015-10-08 Registry Services, LLC
select

sener

// services : 2014-02-27 Binky Moon, LLC
services

// ses : 2015-07-23 SES
ses

// seven : 2015-08-06 Seven West Media Ltd
seven

// sew : 2014-07-17 SEW-EURODRIVE GmbH & Co KG
sew

// sex : 2014-11-13 ICM Registry SX LLC
sex

// sexy : 2013-09-11 Uniregistry, Corp.
sexy

// sfr : 2015-08-13 Societe Francaise du Radiotelephone - SFR
sfr

// shangrila : 2015-09-03 ShangriLa International Hotel Management Limited
shangrila

// sharp : 2014-05-01 Sharp Corporation
sharp

// shaw : 2015-04-23 Shaw Cablesystems G.P.
shaw

// shell : 2015-07-30 Shell Information Technology International Inc
shell
shia

// shiksha : 2013-11-14 Afilias Limited
shiksha

// shoes : 2013-10-02 Binky Moon, LLC
shoes

// shop : 2016-04-08 GMO Registry, Inc.
shop

// shopping : 2016-03-31 Binky Moon, LLC
shopping

// shouji : 2015-01-08 QIHOO 360 TECHNOLOGY CO. LTD.
shouji

// show : 2015-03-05 Binky Moon, LLC
show

// showtime : 2015-08-06 CBS Domains Inc.
showtime

// shriram : 2014-01-23 Shriram Capital Ltd.
shriram

// silk : 2015-06-25 Amazon Registry Services, Inc.
silk

// sina : 2015-03-12 Sina Corporation
sina

// singles : 2013-08-27 Binky Moon, LLC
singles

// site : 2015-01-15 DotSite Inc.
site

// ski : 2015-04-09 Afilias Limited
ski

// skin : 2015-01-15 L’Oral
skin

sky
sport

// spot : 2015-02-26 Amazon Registry Services, Inc.
spot

// spreadbetting : 2014-12-11 Dotspreadbetting Registry Limited
spreadbetting

// srl : 2015-05-07 InterNetX, Corp
srl

// srt : 2015-07-30 FCA US LLC.
srt

// stada : 2014-11-13 STADA Arzneimittel AG
stada

staples

// star : 2015-01-08 Star India Private Limited
star

// statebank : 2015-03-12 STATE BANK OF INDIA
statebank

// statefarm : 2015-07-30 State Farm Mutual Automobile Insurance Company
statefarm

// stc : 2014-10-09 Saudi Telecom Company
stc

// stcgroup : 2014-10-09 Saudi Telecom Company
stcgroup

// stockholm : 2014-12-18 Stockholms kommun
stockholm

// storage : 2014-12-22 XYZ.COM LLC
storage

// store : 2015-04-09 DotStore Inc.
store

// stream : 2016-01-08 dot Stream Limited
stream
// temasek : 2014-08-07 Temasek Holdings (Private) Limited
temasek

// tennis : 2014-12-04 Binky Moon, LLC
tennis

// teva : 2015-07-02 Teva Pharmaceutical Industries Limited
teva

// thd : 2015-04-02 Home Depot Product Authority, LLC
thd

// theater : 2015-03-19 Binky Moon, LLC
theater

// theatre : 2015-05-07 XYZ.COM LLC
theatre

// tiaa : 2015-07-23 Teachers Insurance and Annuity Association of America
tiaa

// tickets : 2015-02-05 Accent Media Limited
tickets

// tienda : 2013-11-14 Binky Moon, LLC
tienda

// tiffany : 2015-01-30 Tiffany and Company
tiffany

// tips : 2013-09-20 Binky Moon, LLC
tips

// tires : 2014-11-07 Binky Moon, LLC	
tires

tirol

// tjmaxx : 2015-07-16 The TJX Companies, Inc.
tjmaxx

// tjx : 2015-07-16 The TJX Companies, Inc.
tjx

// tkmaxx : 2015-07-16 The TJX Companies, Inc.
tkmaxx
// tmall : 2015-01-15 Alibaba Group Holding Limited
tmall

// today : 2013-09-20 Binky Moon, LLC
today

tokyo

// tools : 2013-11-21 Binky Moon, LLC
tools

// top : 2014-03-20 .TOP Registry
top

toray

// toshiba : 2014-04-10 TOSHIBA Corporation
toshiba

// total : 2015-08-06 Total SA
total

// tours : 2015-01-22 Binky Moon, LLC	
tours

// town : 2014-03-06 Binky Moon, LLC
town

// toyota : 2015-04-23 TOYOTA MOTOR CORPORATION	
toyota

// toys : 2014-03-06 Binky Moon, LLC	
toys

// trade : 2014-01-23 Elite Registry Limited	
trade

// trading : 2014-12-11 Dottrading Registry Limited	
trading

// training : 2013-11-07 Binky Moon, LLC	
training

// travel : Dog Beach, LLC	
travel
wales

walmart

// walter : 2014-11-13 Sandvik AB
walter

wang

// wanggou : 2014-12-18 Amazon Registry Services, Inc.
wanggou

// warman : 2015-06-18 Weir Group IP Limited
warman

// watch : 2013-11-14 Binky Moon, LLC
watch

// watches : 2014-12-22 Richemont DNS Inc.
watches

// weather : 2015-01-08 International Business Machines Corporation
weather

// weatherchannel : 2015-03-12 International Business Machines Corporation
weatherchannel

// webcam : 2014-01-23 dot Webcam Limited
webcam

// weber : 2015-06-04 Saint-Gobain Weber SA
weber

// website : 2014-04-03 DotWebsite Inc.
website

// wed : 2013-10-01 Atgron, Inc.
wed

wedding

// weibo : 2015-03-05 Sina Corporation
weibo
// weir : 2015-01-29 Weir Group IP Limited
weir

// whoswho : 2014-02-20 Who's Who Registry
whoswho

// wien : 2013-10-28 punkt.wien GmbH
wien

// wiki : 2013-11-07 Top Level Design, LLC
wiki

williamhill

// win : 2014-11-20 First Registry Limited
win

// windows : 2014-12-18 Microsoft Corporation
windows

// wine : 2015-06-18 Binky Moon, LLC
wine

// winners : 2015-07-16 The TJX Companies, Inc.
winners

wme

// wolterskluwer : 2015-08-06 Wolters Kluwer N.V.
wolterskluwer

// woodside : 2015-07-09 Woodside Petroleum Limited
woodside

// work : 2013-12-19 Minds + Machines Group Limited
work

// works : 2013-11-14 Binky Moon, LLC
works

// world : 2014-06-12 Binky Moon, LLC
world

// wow : 2015-10-08 Amazon Registry Services, Inc.
wow
// xn--45q11c : 2013-11-21 Zodiac Gemini Ltd

// xn--4gbrim : 2013-10-04 Suhub Electronic Establishment

// xn--55qw42g : 2013-11-08 China Organizational Name Administration Center

// xn--55qx5d : 2013-11-14 China Internet Network Information Center (CNNIC)

// xn--5su34j936bgsg : 2015-09-03 ShangriLa International Hotel Management Limited

// xn--5tzm5g : 2014-12-22 Global Website TLD Asia Limited

// xn--6frz82g : 2013-09-23 Afilias Limited

// xn--6qq986b3xl : 2013-09-13 Tycoon Treasure Limited

// xn--80adxhks : 2013-12-19 Foundation for Assistance for Internet Technologies and Infrastructure Development (FAITID)


// xn--80asehdb : 2013-07-14 CORE Association

// xn--80aswg : 2013-07-14 CORE Association

// xn--8y0a063a : 2015-03-26 China United Network Communications Corporation Limited

// xn--9dbq2a : 2015-01-15 VeriSign Sarl

// xn--9et52u : 2014-06-12 RISE VICTORY LIMITED

// xn--9krt00a : 2015-03-12 Sina Corporation
// xn--b4w605ferd : 2014-08-07 Temasek Holdings (Private) Limited

// xn--bck1b9a5dre4c : 2015-02-26 Amazon Registry Services, Inc.

// xn--c1avg : 2013-11-14 Public Interest Registry

// xn--c2br7g : 2015-01-15 VeriSign Sarl

// xn--cck2b3b : 2015-02-26 Amazon Registry Services, Inc.

// xn--cg4bki : 2013-09-27 SAMSUNG SDS CO., LTD

// xn--czr694b : 2014-01-16 Dot Trademark TLD Holding Company Limited

// xn--czrs0t : 2013-12-19 Binky Moon, LLC

// xn--czru2d : 2013-11-21 Zodiac Aquarius Limited

// xn--d1acj3b : 2013-11-20 The Foundation for Network Initiatives The Smart Internet

// xn--eckvdtc9d : 2014-12-18 Amazon Registry Services, Inc.

// xn--efvy88h : 2014-08-22 Guangzhou YU Wei Information Technology Co., Ltd.

// xn--estv75g : 2015-02-19 Industrial and Commercial Bank of China Limited

// xn--fct429k : 2015-04-09 Amazon Registry Services, Inc.

// xn--fhbei : 2015-01-15 VeriSign Sarl

// xn--fiq228c5hs : 2013-09-08 TLD REGISTRY LIMITED
// xn--fiq64b : 2013-10-14 CITIC Group Corporation

// xn--fjq720a : 2014-05-22 Binky Moon, LLC

// xn--flw351e : 2014-07-31 Charleston Road Registry Inc.

// xn--fzy8d69uvgm : 2015-05-14 PCCW Enterprises Limited

// xn--g2xx48c : 2015-01-30 Minds + Machines Group Limited

// xn--gckr3f0f : 2015-02-26 Amazon Registry Services, Inc.

// xn--gk3at1e : 2015-10-08 Amazon Registry Services, Inc.


// xn--i1b6b1a6a2e : 2013-11-14 Public Interest Registry

// xn--imr513n : 2014-12-11 Dot Trademark TLD Holding Company Limited

// xn--io0a7i : 2013-11-14 China Internet Network Information Center (CNNIC)

// xn--j1aef : 2015-01-15 VeriSign Sarl

// xn--jlq61u9w7b : 2015-01-08 Nokia Corporation

// xn--jvr189m : 2015-02-26 Amazon Registry Services, Inc.

// xn--kcrx77d1x4a : 2014-11-07 Koninklijke Philips N.V.

// xn--kpu716f : 2014-12-22 Richemont DNS Inc.
// xn--nqv7fs00ema : 2013-11-14 Public Interest Registry

// xn--nyqy26a : 2014-11-07 Stable Tone Limited

// xn--otu796d : 2017-08-06 Dot Trademark TLD Holding Company Limited

// xn--p1acf : 2013-12-12 Rusnames Limited

// xn--pbt977c : 2014-12-22 Richemont DNS Inc.

// xn--pssy2u : 2015-01-15 VeriSign Sarl

// xn--q9jyb4c : 2013-09-17 Charleston Road Registry Inc.

// xn--qcka1pmc : 2014-07-31 Charleston Road Registry Inc.

// xn--rhqv96g : 2013-09-11 Stable Tone Limited

// xn--rovu88b : 2015-02-26 Amazon Registry Services, Inc.

// xn--ses554g : 2014-01-16 KNET Co., Ltd.

// xn--t60b56a : 2015-01-15 VeriSign Sarl

// xn--tckwe : 2015-01-15 VeriSign Sarl


// xn--unup4y : 2013-07-14 Binky Moon, LLC

// xn--vermgensberater-ctb : 2014-06-23 Deutsche Vermgensberatung Aktiengesellschaft DVAG vermgensberater
// youtube : 2014-05-01 Charleston Road Registry Inc.
youtube

// yun : 2015-01-08 QIHOO 360 TECHNOLOGY CO. LTD.
yun

// zappos : 2015-06-25 Amazon Registry Services, Inc.
zappos

zara

// zero : 2014-12-18 Amazon Registry Services, Inc.
zero

// zip : 2014-05-08 Charleston Road Registry Inc.
zip

// zone : 2013-11-14 Binky Moon, LLC
zone

// zuerich : 2014-11-07 Kanton Zrich (Canton of Zurich)
zuerich

// ===END ICANN DOMAINS===
// ===BEGIN PRIVATE DOMAINS===
// (Note: these are in alphabetical order by company name)

// 1GB LLC : https://www.1gb.ua/
// Submitted by 1GB LLC <noc@1gb.com.ua>
cc.ua
inf.ua
ltd.ua

// Agnat sp. z o.o. : https://domena.pl
// Submitted by Przemyslaw Plewa <it-admin@domena.pl>
beep.pl

// alboto.ca : http://alboto.ca
// Submitted by Anton Avramov <avramov@alboto.ca>
balsy.ca

// Alces Software Ltd : http://alces-software.com
// Submitted by Mark J. Titorenko <mark.titorenko@alces-software.com>
*.compute.estate
*.alces.network
s3-ap-northeast-2.amazonaws.com
s3-ap-south-1.amazonaws.com
s3-ap-southeast-1.amazonaws.com
s3-ap-southeast-2.amazonaws.com
s3-ca-central-1.amazonaws.com
s3-eu-central-1.amazonaws.com
s3-eu-west-1.amazonaws.com
s3-eu-west-2.amazonaws.com
s3-eu-west-3.amazonaws.com
s3-external-1.amazonaws.com
s3-fips-us-gov-west-1.amazonaws.com
s3-sa-east-1.amazonaws.com
s3-us-gov-west-1.amazonaws.com
s3-us-east-2.amazonaws.com
s3-us-west-1.amazonaws.com
s3-us-west-2.amazonaws.com
s3.ap-northeast-2.amazonaws.com
s3.ap-south-1.amazonaws.com
s3.cn-north-1.amazonaws.com.cn
s3.ca-central-1.amazonaws.com
s3.eu-central-1.amazonaws.com
s3.eu-west-2.amazonaws.com
s3.eu-west-3.amazonaws.com
s3.us-east-2.amazonaws.com
s3.dualstack.ap-northeast-1.amazonaws.com
s3.dualstack.ap-northeast-2.amazonaws.com
s3.dualstack.ap-south-1.amazonaws.com
s3.dualstack.ap-southeast-1.amazonaws.com
s3.dualstack.ap-southeast-2.amazonaws.com
s3.dualstack.ca-central-1.amazonaws.com
s3.dualstack.eu-central-1.amazonaws.com
s3.dualstack.eu-west-1.amazonaws.com
s3.dualstack.eu-west-2.amazonaws.com
s3.dualstack.eu-west-3.amazonaws.com
s3.dualstack.sa-east-1.amazonaws.com
s3.dualstack.us-east-1.amazonaws.com
s3.dualstack.us-east-2.amazonaws.com
s3-website-us-east-1.amazonaws.com
s3-website-us-west-1.amazonaws.com
s3-website-us-west-2.amazonaws.com
s3-website-ap-northeast-1.amazonaws.com
s3-website-ap-southeast-1.amazonaws.com
s3-website-ap-southeast-2.amazonaws.com
s3-website-eu-west-1.amazonaws.com
s3-website-sa-east-1.amazonaws.com
s3-website.ap-northeast-2.amazonaws.com
s3-website.ca-central-1.amazonaws.com
s3-website.eu-central-1.amazonaws.com
s3-website.eu-west-2.amazonaws.com
s3-website.eu-west-3.amazonaws.com
s3-website.us-east-2.amazonaws.com

// Amune : https://amune.org/
// Submitted by Team Amune <cert@amune.org>
t3l3p0rt.net
tele.amune.org

// Apigee : https://apigee.com/
// Submitted by Apigee Security Team <security@apigee.com>
apigee.io

// Aptible : https://www.aptible.com/
// Submitted by Thomas Orozco <thomas@aptible.com>
on-aptible.com

// ASEINet : https://www.aseinet.com/
// Submitted by Asei SEKIGUCHI <mail@aseinet.com>
user.aseinet.ne.jp
gv.vc
d.gv.vc

// Asociacin Amigos de la Informtica "Euskalamiga" : http://encounter.eus/
// Submitted by Hector Martin <marcan@euskalencounter.org>
user.party.eus

// Association potager.org : https://potager.org/
// Submitted by Lunar <jardiniers@potager.org>
pimienta.org
poivron.org
potager.org
sweetpepper.org

// ASUSTOR Inc. : http://www.asustor.com
// Submitted by Vincent Tseng <vincenttseng@asustor.com>
myasustor.com

// Automattic Inc. : https://automattic.com/
// Submitted by Alex Concha <alex.concha@automattic.com>
go-vip.co
go-vip.net
wpcomstaging.com

// AVM : https://avm.de
// Submitted by Andreas Weise <a.weise@avm.de>
myfritz.net
// AW AdvisorWebsites.com Software Inc: https://advisorwebsites.com
// Submitted by James Kennedy <domains@advisorwebsites.com>
*.awdev.ca
*.advisor.ws

// b-data GmbH: https://www.b-data.io
// Submitted by Olivier Benz <olivier.benz@b-data.ch>
b-data.io

// backplane: https://www.backplane.io
// Submitted by Anthony Voutas <anthony@backplane.io>
backplaneapp.io

// Balena: https://www.balena.io
// Submitted by Petros Angelatos <petrosagg@balena.io>
balena-devices.com

// Banzai Cloud
// Submitted by Gabor Kozma <info@banzaicloud.com>
app.banzaicloud.io

// BetaInABox
// Submitted by Adrian <adrian@betainabox.com>
betainabox.com

// BinaryLane: http://www.binarylane.com
// Submitted by Nathan O'Sullivan <nathan@mammoth.com.au>
bnr.la

// Blackbaud, Inc.: https://www.blackbaud.com
// Submitted by Paul Crowder <paul.crowder@blackbaud.com>
blackbaudcdn.net

// Boomla: https://boomla.com
// Submitted by Tibor Halter <thalter@boomla.com>
boomla.net

// Boxfuse: https://boxfuse.com
// Submitted by Axel Fontaine <axel@boxfuse.com>
boxfuse.io

// bplaced: https://www.bplaced.net/
// Submitted by Miroslav Bozic <security@bplaced.net>
square7.ch
bplaced.com
bplaced.de
square7.de
bplaced.net
square7.net

// BrowserSafetyMark
// Submitted by Dave Tharp <browsersafetymark.io@quicinc.com>
browsersafetymark.io

// Bytemark Hosting : https://www.bytemark.co.uk
// Submitted by Paul Cammish <paul.cammish@bytemark.co.uk>
uk0.bigv.io
dh.bytemark.co.uk
vm.bytemark.co.uk

// callidomus : https://www.callidomus.com/
// Submitted by Marcus Popp <admin@callidomus.com>
mycd.eu

// Carrd : https://carrd.co
// Submitted by AJ <aj@carrd.co>
carrd.co
crd.co
uwu.ai

// CentralNic : http://www.centralnic.com/names/domains
// Submitted by registry <gavin.brown@centralnic.com>
au.org
ar.com
br.com
cn.com
com.de
com.se
de.com
eu.com
gb.com
gb.net
hu.com
hu.net
jp.net
jpn.com
kr.com
mex.com
no.com
qc.com
ru.com
sa.com
se.net
uk.com
uk.net
us.com
uy.com
za.bz
za.com

// Africa.com Web Solutions Ltd : https://registry.africa.com
// Submitted by Gavin Brown <gavin.brown@centralnic.com>
africa.com

// iDOT Services Limited : http://www.domain.gr.com
// Submitted by Gavin Brown <gavin.brown@centralnic.com>
gr.com

// Radix FZC : http://domains.in.net
// Submitted by Gavin Brown <gavin.brown@centralnic.com>
in.net

// US REGISTRY LLC : http://us.org
// Submitted by Gavin Brown <gavin.brown@centralnic.com>
us.org

// co.com Registry, LLC : https://registry.co.com
// Submitted by Gavin Brown <gavin.brown@centralnic.com>
co.com

// c.la : http://www.c.la/
c.la

// certmgr.org : https://certmgr.org
// Submitted by B. Blechschmidt <hostmaster@certmgr.org>
certmgr.org

// Citrix : https://citrix.com
// Submitted by Alex Stoddard <alex.stoddard@citrix.com>
xenapponazure.com

// Civilized Discourse Construction Kit, Inc. : https://www.discourse.org/
// Submitted by Rishabh Nambiar <rishabh.nambiar@discourse.org>
discourse.group

// ClearVox : http://www.clearvox.nl/
// Submitted by Leon Rowland <leon@clearvox.nl>
virtueeldomein.nl

// Clever Cloud : https://www.clever-cloud.com/
// Submitted by Quentin Adam <noc@clever-cloud.com>
cleverapps.io
// Clerk : https://www.clerk.dev
// Submitted by Colin Sidoti <colin@clerk.dev>
*.lcl.dev
*.stg.dev

// Cloud66 : https://www.cloud66.com/
// Submitted by Khash Sajadi <khash@cloud66.com>
c66.me
cloud66.ws
cloud66.zone

// CloudAccess.net : https://www.cloudaccess.net/
// Submitted by Pawel Panek <noc@cloudaccess.net>
jdevcloud.com
wpdevcloud.com
cloudaccess.host
freesite.host
cloudaccess.net

// cloudControl : https://www.cloudcontrol.com/
// Submitted by Tobias Wilken <tw@cloudcontrol.com>
cloudcontrolled.com
cloudcontrolapp.com

// Cloudera, Inc. : https://www.cloudera.com/
// Submitted by Philip Langdale <security@cloudera.com>
cloudera.site

// Cloudflare, Inc. : https://www.cloudflare.com/
// Submitted by Jake Riesterer <publicsuffixlist@cloudflare.com>
trycloudflare.com
workers.dev

// Clovyr : https://clovyr.io
// Submitted by Patrick Nielsen <patrick@clovyr.io>
wnext.app

// co.ca : http://registry.co.ca/
co.ca

// Co & Co : https://co-co.nl/
// Submitted by Govert Versluis <govert@co-co.nl>
*.otap.co

// i-registry s.r.o. : http://www.i-registry.cz/
// Submitted by Martin Semrad <semrad@i-registry.cz>
co.cz
// CDN77.com : http://www.cdn77.com
// Submitted by Jan Krpes <jan.krpes@cdn77.com>
ccdn77.org
cdn77-ssl.net
r.cdn77.net
rsc.cdn77.org
ssl.origin.cdn77-secure.org

// Cloud DNS Ltd : http://www.cloudns.net
// Submitted by Aleksander Hristov <noc@cloudns.net>
cloudns.asia
cloudns.biz
cloudns.club
cloudns.cc
cloudns.eu
cloudns.in
cloudns.info
cloudns.org
cloudns.pro
cloudns.pw
cloudns.us

// Cloudeity Inc : https://cloudeity.com
// Submitted by Stefan Dimitrov <contact@cloudeity.com>
cloudeity.net

// CNPY : https://cnpy.gdn
// Submitted by Angelo Gladding <angelo@lahacker.net>
cnpy.gdn

// CoDNS B.V.
co.nl
co.no

// Combell.com : https://www.combell.com
// Submitted by Thomas Wouters <thomas.wouters@combellgroup.com>
webhosting.be
hosting-cluster.nl

// COSIMO GmbH : http://www.cosimo.de
// Submitted by Rene Marticke <rmarticke@cosimo.de>
dyn.cosidns.de
dynamisches-dns.de
dnsupdater.de
internet-dns.de
l-o-g-i-n.de
dynamic-dns.info
feste-ip.net
knx-server.net
static-access.net

// Craynic, s.r.o. : http://www.craynic.com/
// Submitted by Ales Krajnik <ales.krajnik@craynic.com>
realm.cz

// Cryptonomic : https://cryptonomic.net/
// Submitted by Andrew Cady <public-suffix-list@cryptonomic.net>
*.cryptonomic.net

// Cupcake : https://cupcake.io/
// Submitted by Jonathan Rudenberg <jonathan@cupcake.io>
cupcake.is

// cyon GmbH : https://www.cyon.ch/
// Submitted by Dominic Luechinger <dol@cyon.ch>
cyon.link
cyon.site

// Daplie, Inc : https://daplie.com
// Submitted by AJ ONeal <aj@daplie.com>
daplie.me
localhost.daplie.me

// Datto, Inc. : https://www.datto.com/
// Submitted by Philipp Heckel <ph@datto.com>
dattolocal.com
dattorelay.com
dattoweb.com
mydatto.com
dattolocal.net
mydatto.net

// Dansk.net : http://www.dansk.net/
// Submitted by Anani Voule <digital@digital.co.dk>
biz.dk
codk
firm.dk
reg.dk
store.dk

// dapps.earth : https://dapps.earth/
// Submitted by Daniil Burdakov <icqkill@gmail.com>
*.dapps.earth
*.bzz.dapps.earth

// Debian : https://www.debian.org/
// Submitted by Peter Palfrader / Debian Sysadmin Team <dsa-publicsuffixlist@debian.org>
debian.net

// deSEC : https://desec.io/
// Submitted by Peter Thomassen <peter@desec.io>
dedyn.io

// DNSHome : https://www.dnshome.de/
// Submitted by Norbert Auler <mail@dnshome.de>
dnshome.de

// DotArai : https://www.dotarai.com/
// Submitted by Atsadawat Netcharadsang <atsadawat@dotarai.co.th>
online.th
shop.th

// DrayTek Corp. : https://www.draytek.com/
// Submitted by Paul Fang <mis@draytek.com>
drayddns.com

// DreamHost : http://www.dreamhost.com/
// Submitted by Andrew Farmer <andrew.farmer@dreamhost.com>
dreamhosters.com

// Drobo : http://www.drobo.com/
// Submitted by Ricardo Padilha <rpadilha@drobo.com>
mydrobo.com

// Drud Holdings, LLC. : https://www.drud.com/
// Submitted by Kevin Bridges <kevin@drud.com>
drud.io
drud.us

// DuckDNS : http://www.duckdns.org/
// Submitted by Richard Harper <richard@duckdns.org>
duckdns.org

// dy.fi : http://dy.fi/
// Submitted by Heikki Hannikainen <hessu@hes.iki.fi>
dy.fi	
tunk.org

dyndns-at-home.com
dyndns-at-work.com
dyndns-blog.com
dyndns-free.com
dyndns-home.com
dyndns-ip.com
dyndns-mail.com
dyndns-office.com
dyndns-pics.com
dyndns-remote.com
dyndns-server.com
dyndns-web.com
dyndns-wiki.com
dyndns-work.com
dyndns.biz
dyndns.info
dyndns.org
dyndns.tv
at-band-camp.net
ath.cx
barrel-of-knowledge.info
barre11-of-knowledge.info
better-than.tv
blogdns.com
blogdns.net
blogdns.org
blogsite.org
boldlygoingnowhere.org
broke-it.net
buys1ouses.net
cechire.com
dnsalias.com
dnsalias.net
dnsalias.org
dnsdojo.com
dnsdojo.net
dnsdojo.org
does-it.net
doesntexist.com
doesntexist.org
dontexist.com
dontexist.net
dontexist.org
doomdns.com
doomdns.org
dvrdns.org
dyn-o-saur.com
dynalias.com
dynalias.net
dynalias.org
dynathome.net
dyndns.ws
endofinternet.net
endofinternet.org
endoftheinternet.org
est-a-la-maison.com
est-a-la-masion.com
est-le-patron.com
est-mon-blogueur.com
for-better.biz
for-more.biz
for-our.info
for-some.biz
for-the.biz
forgot.her.name
forgot.his.name
from-ak.com
from-al.com
from-ar.com
from-az.net
from-ca.com
from-co.net
from-ct.com
from-dc.com
from-de.com
from-fl.com
from-ga.com
from-hi.com
from-ia.com
from-id.com
from-il.com
from-in.com
from-ks.com
from-ky.com
from-la.net
from-ma.com
from-md.com
from-me.org
from-mi.com
from-mn.com
from-mo.com
from-ms.com
from-mt.com
from-nc.com
from-nd.com
from-ne.com
from-nh.com
from-nj.com
from-nm.com
from-nv.com
from-ny.net
from-oh.com
from-ok.com
from-or.com
from-pa.com
from-pr.com
from-ri.com
from-sc.com
from-sd.com
from-tn.com
from-tx.com
from-ut.com
from-va.com
from-vt.com
from-wa.com
from-wi.com
from-wv.com
from-wy.com
ftpaccess.cc
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// Submitted by Robert Niedziela <webmaster@ddns.de>

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// Submitted by Maxence Bitterli <maxence@definima.com>
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// Submitted by Chris Partridge <chris@partridge.tech>
bcidnstrace.pro

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// Submitted by Sue Ye <sue@dynu.com>
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// Submitted by Dominik Menke <dom@digineo.de>
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// Submitted by Vladimir Dudr <info@e4you.cz>
e4.cz

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// Submitted by Thomas Cottier <thomas.cottier@enalean.com>
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// Submitted by <frc1533@ecgrobotics.org>
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// Submitted by Erik Kaaren-Sunde <esu@enonic.com>
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// Submitted by Pierre Beyssac <hostmaster@eu.org>
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// Submitted by Michal Kralik <support@evennode.com>
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// Submitted by Peter Ruibal <public-suffix@fb.com>
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// Submitted by Maxim Alzoba <tech.contact@faitid.org>
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// Submitted by Likhachev Vasiliy <lihachev@fastvps.ru>
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// Featherhead : https://featherhead.xyz/
// Submitted by Simon Menke <simon@featherhead.xyz>
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// Fedora : https://fedoraproject.org/
// submitted by Patrick Uiterwijk <puiterwijk@fedoraproject.org>
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// submitted by Koen Van Isterdael <k.vanisterdael@fermax.be>
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// Submitted by Jason Zhu <jason@owtware.com>
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// Submitted by Chris Raynor <chris@firebase.com>
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// Submitted by Jonathan Rudenberg <jonathan@flynn.io>
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// Submitted by Romain Fliedel <rfliedel@freebox.fr>
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// Submitted by Andreas Schnederle-Wagner <schnederle@futureweb.at>
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// Submitted by Kohei YOSHIDA <tech@gehirn.co.jp>
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// Submitted by Mads Hartmann <mads@glitch.com>
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// Submitted by Zoltan Egresi <egresi@globehosting.com>
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// Submitted by Mike Damm <md@md.vc>
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// Submitted by Shahidh K Muhammed <shahidh@hasura.io>
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// Submitted by David Grellscheid <admin@hepforge.org>
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// Submitted by Tom Maher <tmaher@heroku.com>
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// Submitted by Oren Eini <oren@ravendb.net>
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// Submitted by Atanunu Igbunuroghene <publicsuffixlist@hostbip.com>
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// Submitted by Eero Hkkinen <Eero+psl@Hkkinen.fi>
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// Submitted by Simon Morvan <simon@icilalune.com>
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// Submitted by Hannu Aronsson <haa@iki.fi>
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// Submitted by Christian Seitz <chris@in-berlin.de>
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// Submitted by Jacob Slater <whois@igloo.to>
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// Submitted by Gabriel Ferreira <registrobr@interlegis.leg.br>
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// Submitted by Wolfgang Schwarz <admin@intermetrics.de>
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// Submitted by Matthew Hardeman <mhardeman@ipifony.com>
ipifony.net

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// Submitted by Kim-Alexander Brodowski <kim.brodowski@iserv.eu>
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test-iserv.de
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// Submitted by Yuji Minagawa <domains-admin@iodata.jp>
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// Jino : https://www.jino.ru
// Submitted by Sergey Ulyashin <ulyashin@jino.ru>
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// Submitted by Brian Bennett <brian.bennett@joyent.com>
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// Submitted by Stefan Keim <admin@js.org>
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// Submitted by Wouter Bakker <hostmaster@kaashosting.nl>
kaas.gg
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// Submitted by Martin Dannehl <postmaster@keymachine.de>
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// Submitted by Felipe Keller Braz <felipebraz@kinghost.com.br>
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// Submitted by Roy Keene <rkeene@knightpoint.com>
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// Submitted by Lars Laehn <info@lcube.de>
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// Submitted by Greg Dallavalle <domains@leadpages.net>
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// Submitted by Lelux Admin <publisuffix@lelux.site>
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// Submitted by Mike Fillator <support@lifetime.hosting>
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// Submitted by Greg Holland <greg.holland@lmpm.com>

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// Submitted by Paulo Matos <pmatos@linki.tools>
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// Submitted by Mario Siegenthaler <mario.siegenthaler@linkyard.ch>
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// Submitted by <security@linode.com>
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// Submitted by Victor Velchev <admin@liquidnetlimited.com>
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// Submitted by Rmi Mach <remi.mach@loginline.com>
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// LubMAN UMCS Sp. z o.o : https://lubman.pl/
// Submitted by Ireneusz Maliszewski <ireneusz.maliszewski@lubman.pl>
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leczna.pl
lubartow.pl
lublin.pl
poniatowa.pl
swidnik.pl

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// Submitted by Jon Spriggs <admin@lug.org.uk>
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glug.org.uk
lug.org.uk
lugs.org.uk

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// Submitted by Anton Avramov <register@lukanet.com>
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// Magento Commerce
// Submitted by Damien Tournoud <dtournoud@magento.cloud>
magento.cloud

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// Submitted by Jamie McClelland <info@mayfirst.org>
mayfirst.info
mayfirst.org

// Mail.Ru Group : https://hb.cldmail.ru
// Submitted by Ilya Zaretskiy <zaretskiy@corp.mail.ru>
hb.cldmail.ru

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// Submitted by Tom Whitwell <domains@memset.com>
miniserver.com
memset.net

// Submitted by Zdenk ustr <zdenek.sustr@cesnet.cz>
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// Submitted by Radim Jana <janca@cesnet.cz>
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// Submitted by Pierre Carrier <pierre@meteor.com>
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eu.meteorapp.com

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// Submitted by Justin Luk <juluk@microsoft.com>
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azure-mobile.net
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// Submitted by Ben Francis <bfrancis@mozilla.com>
mozilla-iot.org

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// Submitted by glob <glob@mozilla.com>
bmoattachments.org

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// Submitted by Khannanov Roman <r.khannanov@msk-ix.ru>
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// Nabu Casa : https://www.nabucasa.com
// Submitted by Paulus Schoutsen <infra@nabucasa.com>
ui.nabu.casa

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// Submitted by James Stevens <registry@names.of.london> or <james@jrcs.net>
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// Submitted by Tocknicsu <admin@nctu.me>
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// Submitted by Jessica Parsons <jessica@netlify.com>
bitballoon.com
netlify.com

// Neustar Inc.
// Submitted by Trung Tran <Trung.Tran@neustar.biz>
4u.com

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// Submitted by Alan Shreve <alan@ngrok.com>
ngrok.io

// Nimbus Hosting Ltd. : https://www.nimbushosting.co.uk/
// Submitted by Nicholas Ford <nick@nimbushosting.co.uk>
hn-serv.co.uk

// Submitted by Jeff Wheelhouse <support@nearlyfreespeech.net>
fshost.com

// Now-DNS : https://now-dns.com
// Submitted by Steve Russell <steve@now-dns.com>
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// Submitted by Thomas Waldmann <info@nsupdate.info>
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// Submitted by Deven Reza <publicsuffixlist@noip.com>
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// Submitted by Andrew Sampson <andrew@ulterius.io>
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// Submitted by Cole Estep <cole@omnibond.com>
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// One Fold Media : http://www.onefoldmedia.com/
// Submitted by Eddie Jones <eddie@onefoldmedia.com>
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// OpenCraft GmbH : http://opencraft.com/
// Submitted by Sven Marnach <sven@opencraft.com>
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// Opera Software, A.S.A.
// Submitted by Yngve Pettersen <yngve@opera.com>
operaunite.com

// OutSystems
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// Submitted by Maximilian Schieder <maxi@zeug.co>
dyn53.io

// Submitted by Zulfais <pc@co.bn>
co.bn

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// Submitted by Sarah Newman <owner@prgmr.com>
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// Submitted by registry <lendl@nic.at>
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// Submitted by Jonah Aragon <jonah@privacytools.io>
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// Submitted by Michael Burns <noc@protocol.ai>
*.dweb.link

// Protonet GmbH : http://protonet.io
// Submitted by Martin Meier <admin@protonet.io>
protonet.io

// Submitted by Yaacov Akiba Slama <admin@chirurgiens-dentistes-en-france.fr>
chirurgiens-dentistes-en-france.fr
byen.site

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// Submitted by Kor Nielsen <kor@pubtls.org>
pubtls.org

// Qualifio : https://qualifio.com/
// Submitted by Xavier De Cock <xdecok@gmail.com>
qualifioapp.com

// Redstar Consultants : https://www.redstarconsultants.com/
// Submitted by Jons Slemmer <jons@redstarconsultants.com>
instantcloud.cn

// Russian Academy of Sciences
// Submitted by Tech Support <support@rasnet.ru>
ras.ru

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// Submitted by Daniel Dent (https://www.danieldent.com/)
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// QNAP System Inc : https://www.qnap.com
// Submitted by Nick Chang <nickchang@qnap.com>
dev-myqnapcloud.com
alpha-myqnapcloud.com
myqnapcloud.com

// Quip : https://quip.com
// Submitted by Patrick Linehan <plinehan@quip.com>
*.quipelements.com

// Qutheory LLC : http://qutheory.io
// Submitted by Jonas Schwartz <jonas@qutheory.io>
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vaporcloud.io

// Rackmaze LLC : https://www.rackmaze.com
// Submitted by Kirill Pertsev <kika@rackmaze.com>
rackmaze.com
rackmaze.net

// Rancher Labs, Inc : https://rancher.com
// Submitted by Vincent Fiduccia <domains@rancher.com>
*.on-rancher.cloud
*.on-rio.io

// Read The Docs, Inc : https://www.readthedocs.org
// Submitted by David Fischer <team@readthedocs.org>
readthedocs.io

// Red Hat, Inc. OpenShift : https://openshift.redhat.com/
// Submitted by Tim Kramer <tkramer@rhcloud.com>
rhcloud.com

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// Submitted by Anurag Goel <dev@render.com>
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// Submitted by Mason Clayton <mason@repl.it>
repl.co
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// Submitted by Tim Perry <tim@resin.io>
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// Submitted by Chris Kastorff <info@rethinkdb.com>
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// Submitted by Jack Price <jack@revitalised.co.uk>
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// Rochester Institute of Technology : http://www.rit.edu/
// Submitted by Jennifer Herting <jchits@rit.edu>
git-pages.rit.edu

// Sandstorm Development Group, Inc. : https://sandcats.io/
// Submitted by Asheesh Laroia <asheesh@sandstorm.io>
sandcats.io

// SBE network solutions GmbH : https://www.sbe.de/
// Submitted by Norman Meilick <nm@sbe.de>
logoip.de
logoip.com

// schokokeks.org GbR : https://schokokeks.org/
// Submitted by Hanno Bck <hanno@schokokeks.org>
schokokeks.net

// Scry Security : http://www.scrysec.com
// Submitted by Shante Adam <shante@skyhat.io>
scrysec.com

// Securepoint GmbH : https://www.securepoint.de
// Submitted by Erik Anders <erik.anders@securepoint.de>
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// Submitted by Serhii Bulakh <support@drs.ua>
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coua
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// Submitted by Adam Jimenez <adam@shiftcreate.com>
shiftedit.io

// Shopblocks : http://www.shopblocks.com/
// Submitted by Alex Bowers <alex@shopblocks.com>
myshopblocks.com

// Shopit : https://www.shopitcommerce.com/
// Submitted by Craig McMahon <craig@shopitcommerce.com>
shopitsite.com

// Siemens Mobility GmbH
// Submitted by Oliver Graebner <security@mo-siemens.io>
mo-siemens.io

// Submitted by SinaAppEngine <saesupport@sinacloud.com>
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applinzi.com
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// Siteleaf : https://www.siteleaf.com/
// Submitted by Skylar Challand <support@siteleaf.com>
siteleaf.net

// Skyhat : http://www.skyhat.io
// Submitted by Shante Adam <shante@skyhat.io>
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beta.bounty-full.com

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// Submitted by Adrien Gillon <adrien+public-suffix-list@stackhero.io>
stackhero-network.com

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sites.static.land

SourceLair PC : https://www.sourcelair.com
Submitted by Antonis Kalipetis <akalipetis@sourcelair.com>
apps.lair.io
*.stolos.io

SpaceKit : https://www.spacekit.io/
Submitted by Reza Akhavan <spacekit.io@gmail.com>
spacekit.io

SpeedPartner GmbH: https://www.speedpartner.de/
Submitted by Stefan Neufeind <info@speedpartner.de>
customer.speedpartner.de

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Submitted by Jacob Lee <jacob@stdlib.com>
api.stdlib.com

Storj Labs Inc.: https://storj.io/
Submitted by Philip Hutchins <hostmaster@storj.io>
storj.farm

Studenten Net Twente : http://www.snt.utwente.nl/
Submitted by Silke Hofstra <syscom@snt.utwente.nl>
utwente.io

Student-Run Computing Facility : https://www.srcf.net/
Submitted by Edwin Balani <sysadmins@srcf.net>
soc.srcf.net
user.srcf.net

Sub 6 Limited: http://www.sub6.com
Submitted by Dan Miller <dm@sub6.com>
temp-dns.com

Swisscom Application Cloud: https://developer.swisscom.com
Submitted by Matthias.Winzeler <matthias.winzeler@swisscom.com>
applicationcloud.io
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Symfony, SAS : https://symfony.com/
Submitted by Fabien Potencier <fabien@symfony.com>
*.s5y.io
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// Syncloud : https://syncloud.org
// Submitted by Boris Rybalkin <syncloud@syncloud.it>
syncloud.it

// Synology, Inc. : https://www.synology.com/
// Submitted by Rony Weng <ronyweng@synology.com>
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// Submitted by Bjoern Henke <dev-server@taifun-software.de>
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// Submitted by Dominik George <dominik.george@teckids.org>
edugit.org

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// Submitted by AJ ONeal <aj@telebit.cloud>
telebit.app
telebit.io
*.telebit.xyz

// The Gwiddle Foundation : https://gwiddlefoundation.org.uk
// Submitted by Joshua Bayfield <joshua.bayfield@gwiddlefoundation.org.uk>
gwiddle.co.uk

// Thingdust AG : https://thingdust.com/
// Submitted by Adrian Imboden <adi@thingdust.com>
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cust.disrec.thingdust.io
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// Submitted by Mark Staarink <mark@tlon.io>
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// Submitted by Dustin Ward <dward@townnews.com>
blox cms.com
townnews-staging.com

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// Submitted by Phillipp Rll <phillipp.roell@trafficplex.de>
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// Submitted by Rory Breuk <rbreuk@transip.nl>
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*.transurl.eu
*.transurl.nl

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// Submitted by TuxFamily administrators <adm@staff.tuxfamily.org>
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// Submitted by TwoDNS-Support <support@two-dns.de>
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// Submitted by Moritz Werner <mwerner@jonaspasche.com>
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// Submitted by registry <hostmaster@udr.hk.com>
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// Submitted by Stefan Schwarz <sysadm@united-gamerserver.de>
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virtual-user.de

// .US
// Submitted by Ed Moore <Ed.Moore@lib.de.us>
lib.de.us

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// Submitted by Danko Aleksjevs <danko@very.lv>
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// Submitted by Simon Kissel <hostmaster@viprinet.com>
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// Submitted by Adnan RIHAN <hostmaster@v-info.info>
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// Submitted by Nathan van Bakel <info@voorloper.com>
voorloper.cloud

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// Submitted by Masayuki Note <masa@blade.wafflecell.com>
wafflecell.com

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// Submitted by Arnold Hendriks <info@webhare.com>
*.webhare.dev

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// Submitted by Henrique Vicente <security@wedeploy.com>
wedeploy.io
wedeploy.me
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// Submitted by Jung Jin <jungseok.jin@wdc.com>
remotewd.com

// Wikimedia Labs: https://wikitech.wikimedia.org
// Submitted by Yuvi Panda <yuvipanda@wikimedia.org>
wmflabs.org

// XenonCloud GbR: https://xenoncloud.net
// Submitted by Julian Uphoff <publicsuffixlist@xenoncloud.net>
half.host

// XnBay Technology: http://www.xnbay.com/
// Submitted by XnBay Developer <developer.xncloud@gmail.com>
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u2-local.xnbay.com

// XS4ALL Internet bv: https://www.xs4all.nl/
// Submitted by Daniel Mostertman <unixbeheer+publicsuffix@xs4all.net>
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demon.nl
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// Yandex.Cloud LLC: https://cloud.yandex.com
// Submitted by Alexander Lodin <security+psl@yandex-team.ru>
yandexcloud.net
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website.yandexcloud.net

// YesCourse Pty Ltd : https://yescourse.com
// Submitted by Atul Bhouraskar <atul@yescourse.com>
official.academy

// Yola : https://www.yola.com/
// Submitted by Stefano Rivera <stefano@yola.com>
yolasite.com

// Yombo : https://yombo.net
// Submitted by Mitch Schwenk <mitch@yombo.net>
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// Yunohost : https://yunohost.org
// Submitted by Valentin Grimaud <security@yunohost.org>
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// Submitted by registry <hostmaster@nic.za.net>
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za.org

// Zeit, Inc. : https://zeit.domains/
// Submitted by Olli Vanhoja <olli@zeit.co>
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// Zine EOOD : https://zine.bg/
// Submitted by Martin Angelov <martin@zine.bg>
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// Zitcom A/S : https://www.zitcom.dk
// Submitted by Emil Stahl <esp@zitcom.dk>
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// Submitted by Su Hendro <admin@zone.id>
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1.1659 xalan 2.7.0

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## -*-makefile-*-##

## BSD-specific setup (FreeBSD, OpenBSD, NetBSD, *BSD)
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## Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)

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

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

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

## Compiler switch to embed a library name
LD_SONAME = -Wl,-soname -Wl,$(notdir $(MIDDLE_SO_TARGET))

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

## Shared object suffix
SO = so

## Non-shared intermediate object suffix
STATIC_O = ao

## Compilation rules
%.$(STATIC_O): $(srcdir)/%.c
$(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $< $(STATICCPPFLAGS) -o $< $(srcdir)/%.c
%: $(srcdir)/%.c
## Dependency rules

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

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

## Versioned libraries rules

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

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

## End FreeBSD-specific setup

1.1661 mchange-commons-java 0.2.15

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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources.jar/org/springframework/cache/interceptor/AbstractFallbackCacheOperationSource.java
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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/instrument/classloading/jboss/JBossModulesAdapter.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/scheduling/concurrent/ThreadPoolTaskScheduler.java
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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/scheduling/support/PeriodicTrigger.java
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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/context/support/GenericXmlApplicationContext.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/context/support/AbstractXmlApplicationContext.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/jmx/support/JmxUtils.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/scheduling/concurrent/ThreadPoolExecutorFactoryBean.java
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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/context/access/DefaultLocatorFactory.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/context/support/MessageSourceAccessor.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/context/access/ContextBeanFactoryReference.java
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/**
* [@link FactoryBean] that obtains a WebSphere [@link javax.management.MBeanServer] reference through WebSphere's proprietary <code>AdminServiceFactory</code> API, available on WebSphere 5.1 and higher.
* <p>Exposes the <code>MBeanServer</code> for bean references.
* This FactoryBean is a direct alternative to [@link MBeanServerFactoryBean], which uses standard JMX 1.2 API to access the platform's MBeanServer.
* @author Juergen Hoeller
* @author Rob Harrop
* @since 2.0.3
* @see com.ibm.websphere.management.AdminServiceFactory#getMBeanFactory()
* @see com.ibm.websphere.management.MBeanFactory#getMBeanServer()
* @see javax.management.MBeanServer
* @see MBeanServerFactoryBean
*/

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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
jar/org/springframework/context/annotation/ClassPathScanningCandidateComponentProvider.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
jar/org/springframework/cache/support/NoOpCacheManager.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
jar/org/springframework/scheduling/concurrent/ForkJoinPoolFactoryBean.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
jar/org/springframework/scheduling/annotation/Async.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
jar/org/springframework/context/support/ResourceBundleMessageSource.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
jar/org/springframework/scheduling/concurrent/ConcurrencyManagement.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
jar/org/springframework/cache/support/ClassPathCacheManager.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
jar/org/springframework/cache/support/CompletionCacheManager.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
jar/org/springframework/cache/support/MapCacheManager.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
jar/org/springframework/cache/support/LinkedCacheManager.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
jar/org/springframework/cache/support/StaticCacheManager.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
jar/org/springframework/context/annotation/AspectJAutoProxyRegistrar.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
jar/org/springframework/context/annotation/Import.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
jar/org/springframework/validation/BindingResult.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
jar/org/springframework/context/annotation/ConfigurationClassEnhancer.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
jar/org/springframework/cache/support/ResourceBundleMessageSource.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
jar/org/springframework/context/annotation/ClassPathScanningCandidateComponentProvider.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
jar/org/springframework/cache/support/NoOpCacheManager.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-
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*/

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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/context/annotation/AnnotationScopeMetadataResolver.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/context/support/MessageSourceResourceBundle.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/jmx/support/MBeanServerConnectionFactoryBean.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/jmx/support/MBeanRegistrationSupport.java

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* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/context/support/StaticMessageSource.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/jmx/export/assemble/AbstractMBeanInfoAssembler.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/jmx/export/assemble/AbstractMBeanInfoAssembler.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/jmx/support/MBeanServerConnectionFactoryBean.java
* /opt/cola/permits/1112507764_1607104095.5/0/spring-context-3-1-4-release-sources-jar/org/springframework/jmx/support/MBeanServerConnectionFactoryBean.java

1.1670 jetty-servlets 9.4.18.v20190429

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions. http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources.jar/com/hazelcast/client/impl/protocol/task/map/MapEvictAllMessageTask.java
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Open Source Used In Cisco Unified Contact Center Express 12.5(1) SU2 15609

jar/com/hazelcast$client/impl/protocol/task/multimap/MultiMapKeySetMessageTask.java
* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
jar/com/hazelcast$client/impl/protocol/task/transaction/TransactionRollbackMessageTask.java
* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
jar/com/hazelcast$client/impl/protocol/task/set/SetCompareAndRetainAllMessageTask.java
* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
jar/com/hazelcast$client/impl/protocol/task/map/MapDeleteMessageTask.java
* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
jar/com/hazelcast$client/impl/protocol/task/GetDistributedObjectsMessageTask.java
* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
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* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
jar/com/hazelcast$client/impl/protocol/task/atomiclong/AtomicLongIncrementAndGetMessageTask.java
* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
jar/com/hazelcast$client/impl/protocol/task/lock/LockTryLockMessageTask.java
* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
jar/com/hazelcast$client/impl/protocol/task/transactionalqueue/TransactionalQueueTakeMessageTask.java
* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
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* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
jar/com/hazelcast$client/impl/protocol/task/lock/LockGetRemainingLeaseTimeMessageTask.java
* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
jar/com/hazelcast$client/impl/protocol/task/lock/package-info.java
* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
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* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
jar/com/hazelcast$client/impl/protocol/task/map/MapRemoveIfSameMessageTask.java
* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
jar/com/hazelcast$client/impl/protocol/task/map/MapPutMessageTask.java
* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
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jar/com/hazelcast$client/impl/protocol/template/TransactionalCodecTemplate.java
* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
jar/com/hazelcast/client/impl/protocol/MessageTaskFactoryProvider.java
* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
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* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
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* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
jar/com/hazelcast/client/impl/protocol/template/AtomicReferenceCodecTemplate.java
* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
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* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
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* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
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* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
jar/com/hazelcast/client/impl/protocol/task/cardinality/CardinalityEstimatorAddMessageTask.java
* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
jar/com/hazelcast/client/impl/protocol/template/MapReduceCodecTemplate.java
* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
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jar/com/hazelcast/client/impl/protocol/codec/PredicateConfigCodec.java
* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
jar/com/hazelcast/client/impl/protocol/task/replicatedmap/ReplicatedMapIsEmptyMessageTask.java
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* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources-
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jar/com/hazelcast/client/impl/protocol/codec/MemberCodec.java
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jar/com/hazelcast/client/impl/protocol/task/ringbuffer/RingbufferAddAllMessageTask.java
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* /opt/cola/permits/1258617846_1643096325.36/0/hazelcast-client-protocol-1-7-0-8-sources.jar/com/hazelcast/client.impl.protocol/task/transaction/XATransactionCreateMessageTask.java
1.1683 gtk 3.22.10
1.1683.1 Available under license :

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[This is the first released version of the library GPL.  It is
numbered 2 because it goes with version 2 of the ordinary GPL.]

Preamble

The licenses for most software are designed to take away your
freedom to share and change it.  By contrast, the GNU General Public
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To protect your rights, we need to make restrictions that forbid
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For example, if you distribute copies of the library, whether gratis
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you.  You must make sure that they, too, receive or can get the source
code.  If you link a program with the library, you must provide
complete object files to the recipients so that they can relink them
with the library, after making changes to the library and recompiling
it.  And you must show them these terms so they know their rights.
Our method of protecting your rights has two steps: (1) copyright the library, and (2) offer you this license which gives you legal permission to copy, distribute and/or modify the library.

Also, for each distributor's protection, we want to make certain that everyone understands that there is no warranty for this free library. If the library is modified by someone else and passed on, we want its recipients to know that what they have is not the original version, so that any problems introduced by others will not reflect on the original authors' reputations.

Finally, any free program is threatened constantly by software patents. We wish to avoid the danger that companies distributing free software will individually obtain patent licenses, thus in effect transforming the program into proprietary software. To prevent this, we have made it clear that any patent must be licensed for everyone's free use or not licensed at all.

Most GNU software, including some libraries, is covered by the ordinary GNU General Public License, which was designed for utility programs. This license, the GNU Library General Public License, applies to certain designated libraries. This license is quite different from the ordinary one; be sure to read it in full, and don't assume that anything in it is the same as in the ordinary license.

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

Because of this blurred distinction, using the ordinary General Public License for libraries did not effectively promote software sharing, because most developers did not use the libraries. We concluded that weaker conditions might promote sharing better.

However, unrestricted linking of non-free programs would deprive the users of those programs of all benefit from the free status of the libraries themselves. This Library General Public License is intended to permit developers of non-free programs to use free libraries, while preserving your freedom as a user of such programs to change the free libraries that are incorporated in them. (We have not seen how to achieve this as regards changes in header files, but we have achieved it as regards changes in the actual functions of the Library.) The hope is that this will lead to faster development of free libraries.
The precise terms and conditions for copying, distribution and modification follow. Pay close attention to the difference between a "work based on the library" and a "work that uses the library". The former contains code derived from the library, while the latter only works together with the library.

Note that it is possible for a library to be covered by the ordinary General Public License rather than by this special one.

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0. This License Agreement applies to any software library which contains a notice placed by the copyright holder or other authorized party saying it may be distributed under the terms of this Library General Public License (also called "this License"). Each licensor is addressed as "you".

A "library" means a collection of software functions and/or data prepared so as to be conveniently linked with application programs (which use some of those functions and data) to form executables.

The "Library", below, refers to any such software library or work which has been distributed under these terms. A "work based on the Library" means either the Library or any derivative work under copyright law: that is to say, a work containing the Library or a portion of it, either verbatim or with modifications and/or translated straightforwardly into another language. (Hereinafter, translation is included without limitation in the term "modification".)

"Source code" for a work means the preferred form of the work for making modifications to it. For a library, complete source code means all the source code for all modules it contains, plus any associated interface definition files, plus the scripts used to control compilation and installation of the library.

Activities other than copying, distribution and modification are not covered by this License; they are outside its scope. The act of running a program using the Library is not restricted, and output from such a program is covered only if its contents constitute a work based on the Library (independent of the use of the Library in a tool for writing it). Whether that is true depends on what the Library does and what the program that uses the Library does.

1. You may copy and distribute verbatim copies of the Library's complete source code as you receive it, in any medium, provided that you conspicuously and appropriately publish on each copy an
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You may charge a fee for the physical act of transferring a copy, and you may at your option offer warranty protection in exchange for a fee.

2. You may modify your copy or copies of the Library or any portion of it, thus forming a work based on the Library, and copy and distribute such modifications or work under the terms of Section 1 above, provided that you also meet all of these conditions:

   a) The modified work must itself be a software library.

   b) You must cause the files modified to carry prominent notices stating that you changed the files and the date of any change.

   c) You must cause the whole of the work to be licensed at no charge to all third parties under the terms of this License.

   d) If a facility in the modified Library refers to a function or a table of data to be supplied by an application program that uses the facility, other than as an argument passed when the facility is invoked, then you must make a good faith effort to ensure that, in the event an application does not supply such function or table, the facility still operates, and performs whatever part of its purpose remains meaningful.

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

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Thus, it is not the intent of this section to claim rights or contest your rights to work written entirely by you; rather, the intent is to exercise the right to control the distribution of derivative or collective works based on the Library.

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3. You may opt to apply the terms of the ordinary GNU General Public License instead of this License to a given copy of the Library. To do this, you must alter all the notices that refer to this License, so that they refer to the ordinary GNU General Public License, version 2, instead of to this License. (If a newer version than version 2 of the ordinary GNU General Public License has appeared, then you can specify that version instead if you wish.) Do not make any other change in these notices.

Once this change is made in a given copy, it is irreversible for that copy, so the ordinary GNU General Public License applies to all subsequent copies and derivative works made from that copy.

This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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

However, linking a "work that uses the Library" with the Library creates an executable that is a derivative of the Library (because it contains portions of the Library), rather than a "work that uses the
library”. The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a “work that uses the Library” uses material from a header file
that is part of the Library, the object code for the work may be a
derivative work of the Library even though the source code is not.
Whether this is true is especially significant if the work can be
linked without the Library, or if the work is itself a library. The
threshold for this to be true is not precisely defined by law.

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

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

6. As an exception to the Sections above, you may also compile or
link a “work that uses the Library” with the Library to produce a
work containing portions of the Library, and distribute that work
under terms of your choice, provided that the terms permit
modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

You must give prominent notice with each copy of the work that the
Library is used in it and that the Library and its use are covered by
this License. You must supply a copy of this License. If the work
during execution displays copyright notices, you must include the
copyright notice for the Library among them, as well as a reference
directing the user to the copy of this License. Also, you must do one
of these things:

a) Accompany the work with the complete corresponding
machine-readable source code for the Library including whatever
changes were used in the work (which must be distributed under
Sections 1 and 2 above); and, if the work is an executable linked
with the Library, with the complete machine-readable "work that
uses the Library", as object code and/or source code, so that the
user can modify the Library and then relink to produce a modified
executable containing the modified Library. (It is understood
that the user who changes the contents of definitions files in the
Library will not necessarily be able to recompile the application
to use the modified definitions.)
b) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

c) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

d) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the source code distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

It may happen that this requirement contradicts the license restrictions of other proprietary libraries that do not normally accompany the operating system. Such a contradiction means you cannot use both them and the Library together in an executable that you distribute.

7. You may place library facilities that are a work based on the Library side-by-side in a single library together with other library facilities not covered by this License, and distribute such a combined library, provided that the separate distribution of the work based on the Library and of the other library facilities is otherwise permitted, and provided that you do these two things:

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api
Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

Assorted

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception. https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions. http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

------

MortBay

The following artifacts are ASL2 licensed. Based on selected classes from
following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.1689 sudo 1.9.5p2-r0

1.1689.1 Available under license :

The following list of people, sorted by last name, have contributed
code or patches to this implementation of sudo since I began
maintaining it in 1993. This list is known to be incomplete--if
you believe you should be listed, please send a note to sudo@sudo.ws.

Ackeret, Matt
Adler, Mark
Allbery, Russ
Anderson, Jamie
Andrew, Nick
Andric, Dimitry
Barron, Danny
Bates, Tom
Behan, Zdenk
Bellis, Ray
Benali, Elias
Beverly, Jamie
Boardman, Spider
Bos, Sander
Bostley, P.J.
Bowes, Keith
Boyce, Keith Garry
Brantley, Michael
Braun, Rob
Bezina, Pavel
Brooks, Piete
Brown, Jerry
Burr, Michael E
Burton, Ross
Bussjaeger, Andreas
Calvin, Gary
Campbell, Aaron
Chazelas, Stephane
Cheloha, Scott
ek, Vtzslav
Coleman, Chris
Corzine, Deven T.
Cusack, Frank
Dai, Wei
Dill, David
Earickson, Jeff
Eckhardt, Drew
Edgington, Ben
Esipovich, Marc
Espie, Marc
Faigon, Ariel
Farrell, Brian
Fobes, Steve
Frysinger, Mike
G., Daniel Richard
Gailly, Jean-loup
Gelman, Stephen
Gerraty, Simon J.
Graber, Stephane
Guillory, B.
Hayman, Randy M.
Henke, Joachim
Hideaki, Yoshifuji
Hieb, Dave
Holloway, Nick
Hoover, Adam
Hunter, Michael T.
Hutchings, Ben
Irrgang, Eric
Jackson, Brian
Jackson, John R.
Jackson, Richard L., Jr.
Janssen, Mark
Jepeway, Chris
Jorge, Joel Pele
Jover, Guillem
Juhani, Timo
Kikuchi, Ayamura
Kadow, Kevin
Kasal, Stepan
Kienenberger, Mike
King, Dale
King, Michael
Klyachkin, Andrey
Knoble, Jim
Knox, Tim
Komarnitsky, Alek O.
Kondrashov, Nikolai
Kopeek, Daniel
Kranenburg, Paul
 Krause, David
Lakin, Eric
Larsen, Case
Levin, Dmitry V.
Libby, Kendall
Lobbes, Phillip E.
McIntyre, Jason
MacKenzie, David J.
McLaughlin, Tom
Makey, Jeff
Mallayya, Sangamesh
Marchionna, Michael D.
Markham, Paul
Martinian, Emin
Meskes, Michael
Michael, David
Miller, Todd C.
Minier, Loc
Moffat, Darren
Moldung, Jan Thomas
Morris, Charles
Mueller, Andreas
Miller, Dworkin
Nieusma, Jeff
Nikitser, Peter A.
Nussel, Ludwig
Ouellet, Jean-Philippe
Paquet, Eric
Paradis, Chantal
Pasteleurs, Frederic
Percival, Ted
Perera, Andres
Peron, Christian S.J.
Peschel, Aaron
Peslyak, Alexander
Peterson, Toby
Petten, Diego Elio
Pickett, Joel
Plotnick, Alex
de Raadt, Theo
Rasch, Gudeiek
Reid, Steve
Richards, Matt
Rossum, Guido van
Rouillard, John P.
Rowe, William A., Jr.
Roy, Alain
Ruusame, Elan
Ryabinkin, Eygene
Sato, Yuichi
Sanchez, Wilfredo
Sanders, Miguel
Sasaki, Kan
Saucier, Jean-Francois
Schoenfeld, Patrick
Schuring, Arno
Schwarze, Ingo
Scott, Dougal
Sieger, Nick
Simon, Thor Lancelot
Slemko, Marc
Smith, Andy
Sobrado, Igor
Soulen, Steven
Spangler, Aaron
Spradling, Cloyce D.
Spradling, Michael
The following people have worked to translate sudo into other languages as part of the Translation Project, see https://translationproject.org for more details.

Albuquerque, Pedro
Blittermann, Mario
Bogusz, Jakub
Buo-ren, Lin
Casagrande, Milo
Castro, Felipe
Cho, Seong-ho
Chornoivan, Yuri
Diguez, Francisco
Fontenelle, Rafael
Garca-Fontes, Walter
Gezer, Volkan
Hamasaki, Takeshi
Hamming, Peter
Hansen, Joe

Stier, Matthew
Stoeckmann, Tobias
Street, Russell
Stritzky, Tilo
Stroucken, Michael
Tarrall, Robert
Thomas, Matthew
Todd, Giles
Toft, Martin
Torek, Chris
Tucker, Darren
Uhl, Robert
Uzel, Petr
Valery, Reznic
Van Dinter, Theo
Venckus, Martynas
de Vries, Maarten
Wagner, Klaus
Walsh, Dan
Warburton, John
Webb, Kirk
Wetzel, Timm
Wieringen, Marco van
Wilk, Jakub
Winiger, Gary
Wood, David
Zacarias, Gustavo
Zolnowsky, John
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Jean-loup Gailly        Mark Adler
jloup@gzip.org          madler@alumni.caltech.edu

1.1690 react-redux 5.0.6

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1.1691 compiler 0.8.15

1.1692 jetty-servlet 9.4.18.v20190429

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

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module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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* /opt/cola/permits/1124923588_1611197973.24/0/xercesimpl-2-6-2-
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1.1694 libbsd 0.10.0-r0

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1.1706 jersey 2.10.1

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1.1708 hibernate-entitymanager 3.4.0.GA

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 */
/**
 * Enumeration of supported Base64 dialects.
 *<p>
 * The internal lookup tables in this class has been derived from
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* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/compression/Bzip2BlockDecompressor.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/compression/Lz4FrameEncoder.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/compression/FastLz.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/compression/SnappyFramedDecoder.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/compression/Lz4FrameDecoder.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/compression/Bzip2BitReader.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/compression/Bzip2BitWriter.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/compression/Bzip2Rand.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/compression/Bzip2Decoder.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/compression/Lz4Constants.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/compression/FastLzFrameEncoder.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/compression/Bzip2MoveToFrontTable.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/compression/Lz4FrameDecoder.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/compression/DecoderResultProvider.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/AsciiHeadersEncoder.java
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
jar/io/netty/handler/codec/MessageAggregationException.java

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* <p>
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*/

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 */
/**
 * A decoder that splits the received {@link ByteBuf}s dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
 * length of the message body or the whole message.
 * <p>
 * {@link LengthFieldBasedFrameDecoder} has many configuration parameters so
 * that it can decode any message with a length field, which is often seen in
 * proprietary client-server protocols. Here are some example that will give
 * you the basic idea on which option does what.
 *
 * <h3>2 bytes length field at offset 0, do not strip header</h3>
 *
 * The value of the length field in this example is <tt>12 (0x0C)</tt> which
 * represents the length of "HELLO, WORLD". By default, the decoder assumes
 * that the length field represents the number of the bytes that follows the
 * length field. Therefore, it can be decoded with the simplistic parameter
 * combination.
 * <pre>
 * <b>lengthFieldOffset</b> = <b>0</b>
 */
* **lengthFieldLength** = 2
* **lengthAdjustment** = 0
* **initialBytesToStrip** = 0 (= do not strip header)

* **BEFORE DECODE (14 bytes) **    **AFTER DECODE (14 bytes)**

* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+

* </pre>

* **h3>2 bytes length field at offset 0, strip header</h3>

* Because we can get the length of the content by calling
  * {@link ByteBuf#readableBytes()}, you might want to strip the length
* field by specifying <tt>initialBytesToStrip</tt>. In this example, we
* specified <tt>2</tt>, that is same with the length of the length field, to
* strip the first two bytes.

* **BEFORE DECODE (14 bytes) **    **AFTER DECODE (12 bytes)**

* +--------+----------------+      +----------------+
* | Length | Actual Content |----->| Actual Content |
* | 0x000C | "HELLO, WORLD" |      | "HELLO, WORLD" |
* +--------+----------------+      +----------------+

* </pre>

* **h3>2 bytes length field at offset 0, do not strip header, the length field
  * represents the length of the whole message</h3>

* In most cases, the length field represents the length of the message body
* only, as shown in the previous examples. However, in some protocols, the
* length field represents the length of the whole message, including the
* message header. In such a case, we specify a non-zero
* <tt>lengthAdjustment</tt>. Because the length value in this example message
* is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt>
* as <tt>lengthAdjustment</tt> for compensation.

* **BEFORE DECODE (14 bytes) **    **AFTER DECODE (14 bytes)**

* +--------+----------------+      +--------+----------------+
* | Length | Actual Content |----->| Length | Actual Content |
* | 0x000C | "HELLO, WORLD" |      | 0x000C | "HELLO, WORLD" |
* +--------+----------------+      +--------+----------------+

* </pre>
The following message is a simple variation of the first example. An extra
header value is prepended to the message. \texttt{lengthAdjustment} is zero
again because the decoder always takes the length of the prepended data into
account during frame length calculation.

This is an advanced example that shows the case where there is an extra
header between the length field and the message body. You have to specify a
positive \texttt{lengthAdjustment} so that the decoder counts the extra
header into the frame length calculation.

This is a combination of all the examples above. There are the prepended
* header before the length field and the extra header after the length field.
* The prepended header affects the \texttt{lengthFieldOffset} and the extra
* header affects the \texttt{lengthAdjustment}. We also specified a non-zero
* \texttt{initialBytesToStrip} to strip the length field and the prepended
* header from the frame. If you don't want to strip the prepended header, you
* could specify \texttt{0} for \texttt{initialBytesToSkip}.
* \begin{verbatim}
* lengthFieldOffset   = 1 (= the length of HDR1)
* lengthFieldLength   = 2
* \texttt{lengthAdjustment}    = 1 (= the length of HDR2)
* \texttt{initialBytesToStrip} = 3 (= the length of HDR1 + LEN)
* \end{verbatim}
* \begin{verbatim}
* BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)
* +--------------------------+----+
* | HDR1 | Length | HDR2 | Actual Content |
* | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |
* +--------------------------+----+
* \end{verbatim}
* \begin{verbatim}
* \texttt{2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field, the length field
* represents the length of the whole message}</h3>
* \begin{verbatim}
* \texttt{Let's give another twist to the previous example. The only difference from
* the previous example is that the length field represents the length of the
* whole message instead of the message body, just like the third example.
* We have to count the length of HDR1 and Length into \texttt{lengthAdjustment}.
* Please note that we don't need to take the length of HDR2 into account
* because the length field already includes the whole header length.}
* \begin{verbatim}
* lengthFieldOffset   = 1
* lengthFieldLength   = 2
* \texttt{lengthAdjustment}    = -3 (= the length of HDR1 + LEN, negative)
* \texttt{initialBytesToStrip} = 3
* \end{verbatim}
* \begin{verbatim}
* BEFORE DECODE (16 bytes) AFTER DECODE (13 bytes)
* +--------------------------+----+
* | HDR1 | Length | HDR2 | Actual Content |
* | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |
* +--------------------------+----+
* \end{verbatim}
* \begin{verbatim}
* @see LengthFieldPrepender
* \end{verbatim}
* Found in path(s):
* /opt/cola/permits/1110674866_1606843795.88/0/netty-codec-4-1-32-final-sources-2-
* jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java
1.1718 libsigar 1.6.2

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1.1722 e2fsprogs 1.42.9-7.el7

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This is the Debian GNU/Linux prepackaged version of the ss command-line interface parsing library. It is currently distributed together with the EXT2 file system utilities, which are otherwise packaged as "e2fsprogs".

This package was put together by Yann Dirson <dirson@debian.org>, from sources obtained from a mirror of:
tsx-11.mit.edu:/pub/linux/packages/ext2fs/

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*/
Index: tdbsa/tdb.c
===================================================================--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
Last Changed Date: 2007-06-06 20:14:06 -0400 (Wed, 06 Jun 2007)
*/
/**
- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
- Copyright (C) Andrew Tridgell 2005
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#
# This is a Makefile stub which handles the creation of BSD shared
# libraries.
#
# In order to use this stub, the following makefile variables must be defined.
#
# BSDLIB_VERSION = 1.0
# BSDLIB_IMAGE = libce
# BSDLIB_MYDIR = et
# BSDLIB_INSTALL_DIR = $(SHLIBDIR)
#
all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
@mkdir -p pic

BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f ../$(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \n`echo $(my_dir) | sed -e 's;lib/;;'"/$(BSD_LIB) $(BSD_LIB))

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) 
$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@ -$(LDCONFIG)

install-strip: install

install-shlibs-strip: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

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comprising the libuuid library, and the source file headers of the
libet and libss libraries for more information.

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using the "WIP" test distributions or one from the hg or git
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Theodore Ts'o
23-June-2007

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Gadi Oxman, August 1995

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* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/ApplicationProtocolNames.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/OpenSslJavaxX509Certificate.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/SslContextBuilder.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/ApplicationProtocolAccessor.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/ClientAuth.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/ssl/ApplicationProtocolNegotiationHandler.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/stream/package-info.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/stream/ChunkedStream.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/stream/NotSslRecordException.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/stream/WriteTimeoutException.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
  jar/io/netty/handler/stream/ChunkedNioFile.java
* /opt/cola/permits/1110676046_1606843831.59/0/netty-handler-4-1-32-final-sources-2-
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 * $Id: RegexFilenameFilter.java,v 1.9 2003/11/07 20:16:23 dfs Exp $
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/ *
* $Id: PatternCacheFIFO.java,v 1.7 2003/11/07 20:16:24 dfs Exp $ *
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* Determines if the contents of a PatternMatcherInput, starting from the  
* current offset of the input contains a pattern.  
* If a pattern match is found, a MatchResult  
* instance representing the <b>first</b> such match is made accessible via  
* {@link #getMatch()}. The current offset of the  
* PatternMatcherInput is set to the offset corresponding to the end  
* of the match, so that a subsequent call to this method will continue  
* searching where the last call left off. You should remember that the  
* region between the begin and end offsets of the PatternMatcherInput are  
* considered the input to be searched, and that the current offset  
* of the PatternMatcherInput reflects where a search will start from.  
* Matches extending beyond the end offset of the PatternMatcherInput  
* will not be matched. In other words, a match must occur entirely  
* between the begin and end offsets of the input. See  
* {@link org.apache.oro.text.regex.PatternMatcherInput PatternMatcherInput}  
* for more details.
As a side effect, if a match is found, the PatternMatcherInput match offset information is updated. See the PatternMatcherInput [@link org.apache.oro.text.regex.PatternMatcherInput#setMatchOffsets setMatchOffsets(int, int)] method for more details.

The pattern must be an AwkPattern instance, otherwise a ClassCastException will be thrown. You are not required to, and indeed should NOT try to (for performance reasons), catch a ClassCastException because it will never be thrown as long as you use an AwkPattern as the pattern parameter.

This method is usually used in a loop as follows:

```java
PatternMatcher matcher;
PatternCompiler compiler;
Pattern pattern;
PatternMatcherInput input;
MatchResult result;

compiler = new AwkCompiler();
matcher = new AwkMatcher();

try {
    pattern = compiler.compile(somePatternString);
} catch(MalformedPatternException e) {
    System.err.println("Bad pattern.");
    System.err.println(e.getMessage());
    return;
}

input = new PatternMatcherInput(someStringInput);

while(matcher.contains(input, pattern)) {
    result = matcher.getMatch();
    // Perform whatever processing on the result you want.
}
```

@param input  The PatternMatcherInput to test for a match.
@param pattern  The Pattern to be matched.
@return True if the input contains a pattern match, false otherwise.
@exception ClassCastException If a Pattern instance other than an AwkPattern is passed as the pattern parameter.
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* $Id: CharacterClassNode.java,v 1.7 2003/11/07 20:16:24 dfs Exp $
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io.fabric8.kubernetes.client.V1AdmissionRegistrationAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1beta1AdmissionRegistrationAPIGroupExtensionAdapter
io.fabric8.kubernetes.client.V1AutoscalingAPIGroupExtensionAdapter
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* /opt/cola/permits/1102347472_1603692789.66/0/kubernetes-client-4-10-3-sources-jar/io/fabric8/kubernetes/client/dsl/LogWatch.java
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jar/io/fabric8/kubernetes/client/APIGroupNotAvailableException.java

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jar/io/fabric8/kubernetes/client/WithRequestCallable.java

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jar/io/fabric8/kubernetes/client/APIGroupExtensionAdapter.java

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* /opt/ws_local/PERMITS_SQL/1068903931_1594468524.84/0/spring-security-web-3-0-3-release-sources-1-jar/org/springframework/security/web/util/ELRequestMatcher.java
* /opt/ws_local/PERMITS_SQL/1068903931_1594468524.84/0/spring-security-web-3-0-3-release-sources-1-jar/org/springframework/security/web/authentication/DelegatingAuthenticationEntryPoint.java

1.1733 hazelcast 3.11
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package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public class DenyAllPermissionCollection extends PermissionCollection {

    public DenyAllPermissionCollection() {
    }

    @Override
    public void add(Permission permission) {
    }

    @Override
    public boolean implies(Permission permission) {
        return false;
    }

    @Override
    public Enumeration<Permission> elements() {
        return new Enumeration<Permission>() {
            @Override
            public boolean hasMoreElements() {
                return false;
            }

            @Override
            public Permission nextElement() {
                return null;
            }
        };
    }

    @Override
    public int hashCode() {
    }
}
public class CardinalityEstimatorPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public CardinalityEstimatorPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
        }
        return mask;
    }
}
if (ActionConstants.ACTION_CREATE.equals(action)) {
    mask |= CREATE;
} else if (ActionConstants.ACTION_READ.equals(action)) {
    mask |= READ;
} else if (ActionConstants.ACTION_MODIFY.equals(action)) {
    mask |= MODIFY;
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
}

return mask;
}

package com.hazelcast.security.permission;

public class QueuePermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;

    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public QueuePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;

        return mask;
    }

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     */

    package com.hazelcast.security.permission;

    public class QueuePermission extends InstancePermission {

        private static final int ADD = 4;
        private static final int READ = 8;
        private static final int REMOVE = 16;
        private static final int LISTEN = 32;

        private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

        public QueuePermission(String name, String... actions) {
            super(name, actions);
        }

        @Override
        protected int initMask(String[] actions) {
            int mask = NONE;

            return mask;
        }
    
}
for (String action : actions) {
    if (ActionConstants.ACTION_ALL.equals(action)) {
        return ALL;
    }

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    } else if (ActionConstants.ACTION_ADD.equals(action)) {
        mask |= ADD;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
        mask |= REMOVE;
    } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
        mask |= LISTEN;
    }
}
return mask;
}

package com.hazelcast.security.permission;

public class MapPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;

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    */
private static final int INTERCEPT = 256;
private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

public MapPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_PUT.equals(action)) {
            mask |= PUT;
        } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
            mask |= REMOVE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        } else if (ActionConstants.ACTION_LOCK.equals(action)) {
            mask |= LOCK;
        } else if (ActionConstants.ACTION_INDEX.equals(action)) {
            mask |= INDEX;
        } else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
            mask |= INTERCEPT;
        }
    }
    return mask;
}

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 */
package com.hazelcast.security.permission;

public class ReplicatedMapPermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int LOCK = 64;
    private static final int INDEX = 128;
    private static final int INTERCEPT = 256;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN | LOCK | INDEX | INTERCEPT;

    public ReplicatedMapPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_PUT.equals(action)) {
                mask |= PUT;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
                mask |= LISTEN;
            } else if (ActionConstants.ACTION_LOCK.equals(action)) {
                mask |= LOCK;
            } else if (ActionConstants.ACTION_INDEX.equals(action)) {
                mask |= INDEX;
            }
        }

        return mask;
    }
}
mask |= INDEX;
} else if (ActionConstants.ACTION_INTERCEPT.equals(action)) {
    mask |= INTERCEPT;
}
}
return mask;
}
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*/
package com.hazelcast.security.permission;

public class ExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public ExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
    }
}
public class TransactionPermission extends ClusterPermission {

    public TransactionPermission() {
        super("<transaction>");
    }

    @Override
    public boolean implies(Permission permission) {
        return getClass() == permission.getClass();
    }

    @Override
    public String getActions() {
        return "transaction";
    }
}

import java.security.Permission;

package com.hazelcast.security.permission;

public class TransactionPermission extends ClusterPermission {

    public TransactionPermission() {
        super("<transaction>");
    }

    @Override
    public boolean implies(Permission permission) {
        return getClass() == permission.getClass();
    }

    @Override
    public String getActions() {
        return "transaction";
    }
}

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*/
public class SetPermission extends ListPermission {

    public SetPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        return mask;
    }
}

package com.hazelcast.security.permission;

public class CachePermission extends InstancePermission {

    private static final int PUT = 4;
    private static final int REMOVE = 8;
    private static final int READ = 16;
    private static final int LISTEN = 32;
    private static final int ALL = CREATE | DESTROY | PUT | REMOVE | READ | LISTEN;

    public CachePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        return mask;
    }
}
for (String action : actions) {
    if (ActionConstants.ACTION_ALL.equals(action)) {
        return ALL;
    }

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    } else if (ActionConstants.ACTION_PUT.equals(action)) {
        mask |= PUT;
    } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
        mask |= REMOVE;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
        mask |= LISTEN;
    }
}
return mask;
}

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/*========================================================================

package com.hazelcast.security.permission;

import com.hazelcast.cache.impl.CacheService;
import com.hazelcast.cardinality.impl.CardinalityEstimatorService;
import com.hazelcast.collection.impl.list.ListService;
import com.hazelcast.collection.impl.queue.QueueService;
import com.hazelcast.collection.impl.set.SetService;
import com.hazelcast.concurrent.atomiclong.AtomicLongService;
import com.hazelcast.concurrent.atomicreference.AtomicReferenceService;
import com.hazelcast.concurrent.countdownlatch.CountDownLatchService;
import com.hazelcast.concurrent.idgen.IdGeneratorService;
import com.hazelcast.concurrent.lock.LockService;
import com.hazelcast.concurrent.semaphore.SemaphoreService;
import com.hazelcast.crdt.pncounter.PNCounterService;
import com.hazelcast.durableexecutor.impl.DistributedDurableExecutorService;
import com.hazelcast.executor.impl.DistributedExecutorService;
import com.hazelcast.flakeidgen.impl.FlakeIdGeneratorService;
import com.hazelcast.internal.usercodedeployment.UserCodeDeploymentService;
import com.hazelcast.map.impl.MapService;
import com.hazelcast.mapreduce.impl.MapReduceService;
import com.hazelcast.multimap.impl.MultiMapService;
import com.hazelcast.replicatedmap.impl.ReplicatedMapService;
import com.hazelcast.ringbuffer.impl.RingbufferService;
import com.hazelcast.topic.impl.TopicService;

import java.security.Permission;
import java.util.HashMap;
import java.util.Map;

@SuppressWarnings({"checkstyle:executablestatementcount")
public final class ActionConstants {

    public static final String ACTION_ALL = "all";
    public static final String ACTION_CREATE = "create";
    public static final String ACTION_DESTROY = "destroy";
    public static final String ACTION_MODIFY = "modify";
    public static final String ACTION_READ = "read";
    public static final String ACTION_REMOVE = "remove";
    public static final String ACTION_LOCK = "lock";
    public static final String ACTION_LISTEN = "listen";
    public static final String ACTION_RELEASE = "release";
    public static final String ACTION_ACQUIRE = "acquire";
    public static final String ACTION_PUT = "put";
    public static final String ACTION_ADD = "add";
    public static final String ACTION_INDEX = "index";
    public static final String ACTION_INTERCEPT = "intercept";
    public static final String ACTION_PUBLISH = "publish";
    public static final String ACTION_AGGREGATE = "aggregate";
    public static final String ACTION_PROJECTION = "projection";
    public static final String ACTION_USER_CODE_DEPLOY = "deploy";

    public static final String LISTENER_INSTANCE = "instance";
    public static final String LISTENER_MEMBER = "member";
    public static final String LISTENER_MIGRATION = "migration";

    private static final Map<String, PermissionFactory> PERMISSION_FACTORY_MAP = new HashMap<String, PermissionFactory>();
static {
    PERMISSION_FACTORY_MAP.put(QueueService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new QueuePermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(MapService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new MapPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(MultiMapService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new MultiMapPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(ListService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new ListPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(SetService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new SetPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(AtomicLongService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new AtomicLongPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(CountDownLatchService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new CountDownLatchPermission(name, actions);
        }
    });
    PERMISSION_FACTORY_MAP.put(SemaphoreService.SERVICE_NAME, new PermissionFactory() {
        @Override
        public Permission create(String name, String... actions) {
            return new SemaphorePermission(name, actions);
        }
    });
}
PERMISSION_FACTORY_MAP.put(TopicService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new TopicPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(LockService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new LockPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(DistributedExecutorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ExecutorServicePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(IdGeneratorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicLongPermission(IdGeneratorService.ATOMIC_LONG_NAME + name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(FlakeIdGeneratorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new FlakeIdGeneratorPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(MapReduceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new MapReducePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(ReplicatedMapService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new ReplicatedMapPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(AtomicReferenceService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new AtomicReferencePermission(name, actions);
    }
});
PERMISSION_FACTORY_MAP.put(CacheService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CachePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(RingbufferService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new RingBufferPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(DistributedDurableExecutorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new DurableExecutorServicePermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(CardinalityEstimatorService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new CardinalityEstimatorPermission(name, actions);
    }
});

PERMISSION_FACTORY_MAP.put(UserCodeDeploymentService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new UserCodeDeploymentPermission(actions);
    }
});

PERMISSION_FACTORY_MAP.put(PNCounterService.SERVICE_NAME, new PermissionFactory() {
    @Override
    public Permission create(String name, String... actions) {
        return new PNCounterPermission(name, actions);
    }
});

private ActionConstants() {
}

private interface PermissionFactory {
    Permission create(String name, String... actions);
}
/**
 * Creates a permission
 *
 * @param name
 * @param serviceName
 * @param actions
 * @return the created Permission
 * @throws java.lang.IllegalArgumentException if there is no service found with the given serviceName.
 */
public static Permission getPermission(String name, String serviceName, String... actions) {
    PermissionFactory permissionFactory = PERMISSION_FACTORY_MAP.get(serviceName);
    if (permissionFactory == null) {
        throw new IllegalArgumentException("No permissions found for service: " + serviceName);
    }

    return permissionFactory.create(name, actions);
}

package com.hazelcast.security.permission;

public class MultiMapPermission extends MapPermission {
    public MultiMapPermission(String name, String... actions) {
        super(name, actions);
    }
}

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*/

package com.hazelcast.security.permission;

import java.security.Permission;

/**
 *
 */
public class ConfigPermission extends ClusterPermission {

    private static final String CONFIG_PERMISSION_NAME = "<config>";
    private static final String CONFIG_PERMISSION_ACTIONS = "config";

    public ConfigPermission() {
        super(CONFIG_PERMISSION_NAME);
    }

    @Override
    public boolean implies(Permission permission) {
        return getClass() == permission.getClass();
    }

    @Override
    public String getActions() {
        return CONFIG_PERMISSION_ACTIONS;
    }
}

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* */
package com.hazelcast.security.permission;

public class PNCounterPermission extends InstancePermission {
    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public PNCounterPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }

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    */
package com.hazelcast.security.permission;

public class AtomicLongPermission extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;

    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicLongPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

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package com.hazelcast.security.permission;

public class AtomicReferencePermission extends InstancePermission {
    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public AtomicReferencePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }
        return mask;
    }
}

/*
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 */
import com.hazelcast.internal.usercodedeploymentUserCodeDeploymentService;

public class UserCodeDeploymentPermission extends InstancePermission {

    private static final int DEPLOY = 4;
    private static final int ALL = DEPLOY;

    public UserCodeDeploymentPermission(String... actions) {
        super(UserCodeDeploymentService.SERVICE_NAME, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_USER_CODE_DEPLOY.equals(action)) {
                mask |= DEPLOY;
            }
        }
        if (ActionConstants.ACTION_USER_CODE_DEPLOY.equals(action)) {
            mask |= DEPLOY;
        }
        return mask;
    }
}

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*/

package com.hazelcast.security.permission;

public class SemaphorePermission extends InstancePermission {

    private static final int ACQUIRE = 4;
    private static final int RELEASE = 8;
    private static final int READ = 16;

    private static final int ALL = CREATE | DESTROY | ACQUIRE | RELEASE | READ;

    public SemaphorePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_ACQUIRE.equals(action)) {
                mask |= ACQUIRE;
            } else if (ActionConstants.ACTION_RELEASE.equals(action)) {
                mask |= RELEASE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }
        return mask;
    }
}
/*
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package com.hazelcast.security.permission;

public class DurableExecutorServicePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public DurableExecutorServicePermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            }
        }

        return mask;
    }
}

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 */
package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;

public abstract class ClusterPermission extends Permission {

    private int hashcode;

    public ClusterPermission(String name) {
        super(name);
    }

    @Override
    public PermissionCollection newPermissionCollection() {
        return new ClusterPermissionCollection(getClass());
    }

    @Override
    public int hashCode() {
        if (hashcode == 0) {
            final int prime = 31;
            int result = 1;
            if (getName() == null) {
                result = prime * result + 13;
            } else {
                result = prime * result + getName().hashCode();
            }
            hashcode = result;
        }
        return hashcode;
    }

    @Override
    public boolean equals(Object obj) {
        if (this == obj) {
            return true;
        }
        if (obj == null) {
            return false;
        }
        if (getClass() != obj.getClass()) {
            return false;
        }
        ClusterPermission other = (ClusterPermission) obj;
        if (hashcode != other.hashcode) {
            return false;
        }
        if (getName() == null ? other.getName() != null : !getName().equals(other.getName())) {
            return false;
        }
        return true;
    }
}
return false;
}
if (getClass() != obj.getClass()) {
    return false;
}
ClusterPermission other = (ClusterPermission) obj;
if (getName() == null && other.getName() != null) {
    return false;
}
if (!getName().equals(other.getName())) {
    return false;
}
return true;
}
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 */
package com.hazelcast.security.permission;
import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Collections;
import java.util.Enumeration;
import java.util.HashSet;
import java.util.Iterator;
import java.util.Set;
public class ClusterPermissionCollection extends PermissionCollection {
    final Set<Permission> perms = new HashSet<Permission>();
    final Class<? extends Permission> permClass;
    public ClusterPermissionCollection() {
        permClass = null;
        perms = Collections.emptySet();
    }
    public ClusterPermissionCollection(Permission[]permissions) {
        permClass = null;
        perms = new HashSet<Permission>(permissions);
    }
    public ClusterPermissionCollection(PermissionCollection other) {
        permClass = null;
        perms = new HashSet<Permission>(other);
    }
    public ClusterPermissionCollection(PermissionCollection other, Set<Permission> permissions) {
        permClass = null;
        perms = new HashSet<Permission>(other, permissions);
    }
    @Override
    public Set<Permission> getPermissions() {
        return perms;
    }
    @Override
    public Class<? extends Permission> getPermissionClass() {
        return permClass;
    }
    @Override
    public boolean contains(Permission permission) {
        return perms.contains(permission);
    }
    @Override
    public boolean containsAll(PermissionCollection permissions) {
        return perms.containsAll(permissions);
public ClusterPermissionCollection(Class<? extends Permission> permClass) {
    this.permClass = permClass;
}

@Override
public void add(Permission permission) {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    boolean shouldAdd = (permClass != null && permClass.equals(permission.getClass()))
        || (permission instanceof ClusterPermission);
    if (shouldAdd && !implies(permission)) {
        perms.add(permission);
    }
}

public void add(PermissionCollection permissions) {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    if (permissions instanceof ClusterPermissionCollection) {
        for (Permission p : ((ClusterPermissionCollection) permissions).perms) {
            add(p);
        }
    }
}

@Override
public boolean implies(Permission permission) {
    for (Permission p : perms) {
        if (p.implies(permission)) {
            return true;
        }
    }
    return false;
}

public void compact() {
    if (isReadOnly()) {
        throw new SecurityException("ClusterPermissionCollection is read-only!");
    }
    final Iterator<Permission> iter = perms.iterator();
    while (iter.hasNext()) {
        final Permission perm = iter.next();
        boolean implies = false;
    }
}
for (Permission p : perms) {
    if (p != perm && p.implies(perm)) {
        implies = true;
        break;
    }
}
if (implies) {
    iter.remove();
}
}
setReadOnly();
}

@Override
public Enumeration<Permission> elements() {
    return Collections.enumeration(perms);
}

public Set<Permission> getPermissions() {
    return Collections.unmodifiableSet(perms);
}

@Override
public String toString() {
    return "ClusterPermissionCollection [permClass=" + permClass + "]";
}
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 */

package com.hazelcast.security.permission;

public class RingBufferPermission extends InstancePermission {
    private static final int PUT = 4;

    // Code snippet continues here...
private static final int READ = 8;
private static final int ALL = PUT | READ;

public RingBufferPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
    }

    if (ActionConstants.ACTION_CREATE.equals(action)) {
        mask |= CREATE;
    } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
        mask |= DESTROY;
    } else if (ActionConstants.ACTION_PUT.equals(action)) {
        mask |= PUT;
    } else if (ActionConstants.ACTION_READ.equals(action)) {
        mask |= READ;
    }
    return mask;
}

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 */

package com.hazelcast.security.permission;

public class TopicPermission extends InstancePermission {
private static final int PUBLISH = 4;
private static final int LISTEN = 8;
private static final int ALL = CREATE | DESTROY | LISTEN | PUBLISH;

public TopicPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }
        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_PUBLISH.equals(action)) {
            mask |= PUBLISH;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_LISTEN.equals(action)) {
            mask |= LISTEN;
        }
    }
    return mask;
}

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 * limitations under the License.
 */

package com.hazelcast.security.permission;

import com.hazelcast.config.matcher.WildcardConfigPatternMatcher;
import java.security.Permission;
/**
* TODO: Object Permission
*/
public abstract class InstancePermission extends ClusterPermission {
protected static final int NONE = 0;
protected static final int CREATE = 1;
protected static final int DESTROY = 2;
private static final WildcardConfigPatternMatcher CONFIG_PATTERN_MATCHER = new
WildcardConfigPatternMatcher();
protected final int mask;
protected final String actions;
public InstancePermission(String name, String... actions) {
super(name);
if (name == null || "".equals(name)) {
throw new IllegalArgumentException("Permission name is mandatory!");
}
mask = initMask(actions);
final StringBuilder s = new StringBuilder();
for (String action : actions) {
s.append(action).append(" ");
}
// trim the trailing space
if (s.length() > 0) {
s.setLength(s.length() - 1);
}
this.actions = s.toString();
}
/**
* init mask
*/
protected abstract int initMask(String[] actions);
@Override
public boolean implies(Permission permission) {
if (this.getClass() != permission.getClass()) {
return false;
}
InstancePermission that = (InstancePermission) permission;

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boolean maskTest = ((this.mask & that.mask) == that.mask);
if (!maskTest) {
    return false;
}

return CONFIG_PATTERN_MATCHER.matches(getName(), that.getName());

@Override
public String getActions() {
    return actions;
}

@Override
public int hashCode() {
    int result = super.hashCode();
    result = 31 * result + mask;
    result = 31 * result + actions.hashCode();
    return result;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    InstancePermission other = (InstancePermission) obj;
    if (getName() == null && other.getName() != null) {
        return false;
    }
    if (!getName().equals(other.getName())) {
        return false;
    }
    if (mask != other.mask) {
        return false;
    }
    return true;
}

/*
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 */
package com.hazelcast.security.permission;

public class LockPermission extends InstancePermission {

    private static final int LOCK = 4;
    private static final int READ = 8;
    private static final int ALL = CREATE | DESTROY | LOCK | READ;

    public LockPermission(String key, String... actions) {
        super(key, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
                mask |= DESTROY;
            } else if (ActionConstants.ACTION_LOCK.equals(action)) {
                mask |= LOCK;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            }
        }

        return mask;
    }
}

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 */

package com.hazelcast.security.permission;

public class ScheduledExecutorPermission
    extends InstancePermission {

    private static final int READ = 4;
    private static final int MODIFY = 8;
    private static final int ALL = READ | MODIFY | CREATE | DESTROY;

    public ScheduledExecutorPermission(String name, String... actions) {
        super(name, actions);
    }
}
@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }
    }
    return mask;
}

public class MapReducePermission extends InstancePermission {

    private static final int ALL = CREATE | DESTROY;

    public MapReducePermission(String name, String... actions) {

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        */

        package com.hazelcast.security.permission;

        /**
        * To be able to map-reduce from a client in a secure environment
        */
        public class MapReducePermission extends InstancePermission {

            private static final int ALL = CREATE | DESTROY;

            public MapReducePermission(String name, String... actions) {
super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        }
    }
    return mask;
}

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 */

package com.hazelcast.security.permission;

import java.security.Permission;
import java.security.PermissionCollection;
import java.util.Enumeration;

public final class AllPermissions extends ClusterPermission {
    public AllPermissions() {
        super("<all permissions>");
    }
}
@Override
public boolean implies(Permission permission) {
    return true;
}

@Override
public String getActions() {
    return "<all actions>";
}

@Override
public PermissionCollection newPermissionCollection() {
    return new AllPermissionsCollection();
}

@Override
public String toString() {
    return "<allow all permissions>";
}

@Override
public boolean equals(Object obj) {
    return obj instanceof AllPermissions;
}

@Override
public int hashCode() {
    return 111;
}

public static final class AllPermissionsCollection extends PermissionCollection {
    private static final AllPermissions ALL_PERMISSIONS = new AllPermissions();
    private boolean all;

    public AllPermissionsCollection() {
    }

    public AllPermissionsCollection(boolean all) {
        this.all = all;
    }

    @Override
    public void add(Permission permission) {
        if (permission instanceof AllPermissions) {
            all = true;
        }
    }
}
@Override
public boolean implies(Permission permission) {
    return all;
}

@Override
public Enumeration<Permission> elements() {
    return new Enumeration<Permission>() {
        boolean more = all;

        @Override
        public boolean hasMoreElements() {
            return more;
        }

        @Override
        public Permission nextElement() {
            more = false;
            return ALL_PERMISSIONS;
        }
    };
}

@Override
public int hashCode() {
    return all ? 13 : -13;
}

@Override
public boolean equals(Object obj) {
    if (this == obj) {
        return true;
    }
    if (obj == null) {
        return false;
    }
    if (getClass() != obj.getClass()) {
        return false;
    }
    AllPermissionsCollection other = (AllPermissionsCollection) obj;
    return all == other.all;
}

@Override
public String toString() {
    return "<allow all permissions>";
}
package com.hazelcast.security.permission;

public class ListPermission extends InstancePermission {

    private static final int ADD = 4;
    private static final int READ = 8;
    private static final int REMOVE = 16;
    private static final int LISTEN = 32;
    private static final int ALL = ADD | REMOVE | READ | CREATE | DESTROY | LISTEN;

    public ListPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }

            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_ADD.equals(action)) {
                mask |= ADD;
            } else if (ActionConstants.ACTION_REMOVE.equals(action)) {
                mask |= REMOVE;
            } else if (ActionConstants.ACTION_READ.equals(action)) {
                mask |= READ;
            } else if (ActionConstants.ACTION_DESTROY.equals(action)) {

        }

        return mask;
    }
}

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 */
mask |= DESTROY;
} else if (ActionConstants.ACTION_LISTEN.equals(action)) {
    mask |= LISTEN;
}
}
return mask;
}
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 */
package com.hazelcast.security.permission;

public class FlakeIdGeneratorPermission extends InstancePermission {
    private static final int MODIFY = 4;
    private static final int ALL = MODIFY | CREATE | DESTROY;

    public FlakeIdGeneratorPermission(String name, String... actions) {
        super(name, actions);
    }

    @Override
    protected int initMask(String[] actions) {
        int mask = NONE;
        for (String action : actions) {
            if (ActionConstants.ACTION_ALL.equals(action)) {
                return ALL;
            }
            if (ActionConstants.ACTION_CREATE.equals(action)) {
                mask |= CREATE;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
                mask |= MODIFY;
            }
        }
        return mask;
    }
}
} else if (ActionConstants.ACTION_DESTROY.equals(action)) {
    mask |= DESTROY;
}

return mask;
}

 package com.hazelcast.security.permission;

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 */

package com.hazelcast.security.permission;

public class CountDownLatchPermission extends InstancePermission {

    private static final int READ = 4;
private static final int MODIFY = 8;
private static final int ALL = CREATE | DESTROY | READ | MODIFY;

public CountDownLatchPermission(String name, String... actions) {
    super(name, actions);
}

@Override
protected int initMask(String[] actions) {
    int mask = NONE;
    for (String action : actions) {
        if (ActionConstants.ACTION_ALL.equals(action)) {
            return ALL;
        }

        if (ActionConstants.ACTION_CREATE.equals(action)) {
            mask |= CREATE;
        } else if (ActionConstants.ACTION_DESTROY.equals(action)) {
            mask |= DESTROY;
        } else if (ActionConstants.ACTION_READ.equals(action)) {
            mask |= READ;
        } else if (ActionConstants.ACTION_MODIFY.equals(action)) {
            mask |= MODIFY;
        }
    }

    return mask;
}

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clarify this fact.

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

   Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were
derived from the ones in the Monotone project, revision
3a0982da308228d796df35f98d787c5cfe2bb5b6.

   Author: Julio Merino <jmmv@NetBSD.org>

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

   Author: Julio Merino <jmmv84@gmail.com>

* admin/check-style.sh, admin/check-style-common.awk,
admin/check-style-cpp.awk, admin/check-style-shell.awk: These files,
except the first one, were first implemented in the Buildtool project.
They were later adapted to be part of Boost.Process and, during that
process, the shell script was created.
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1.1740 jackson-annotations 2.10.1

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1.1742 jackson-jaxrs 2.9.9

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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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from the source code management (SCM) system project uses.

1.1743 cglib 2.1_3

1.1744 hibernate-annotations 3.4.0.GA

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Here is a list of the main contributors to lm-sensors version 3.

* Frodo Looijaard
  Original author of libsensors, sensors-detect, sensors and isadump.
* Merlin Hughes
  Original author of sensord.
* Bob Schlaermann
  Dynamic chip feature detection (a.k.a. generic chip support) in libsensors and sensors.
* Mark M. Hoffman
  Many improvements to the libsensors configuration file scanner.
* Jean Delvare
  New libsensors API, and migration of sensors and sensord thereto.
  Many optimizations in libsensors and sensors.
  Configuration file converter.
  Rewrite of sensors-detect.
  Support for multiple configuration files in libsensors.

1.1749 commons-pool 1.6
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  jar/org/springmodules/validation/valang/ValangException.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
  jar/org/springmodules/validation/valang/functions/LowerCaseFunction.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
  jar/org/springmodules/validation/valang/functions/RegExFunction.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
  jar/org/springmodules/validation/valang/functions/UpperCaseFunction.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
  jar/org/springmodules/validation/valang/javascript/taglib/ValangJavaScriptTagUtils.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
  jar/org/springmodules/validation/valang/functions/DefaultVisitor.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
  jar/org/springmodules/validation/valang/functions/FunctionTemplate.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
  jar/org/springmodules/validation/valang/functions/ResolveFunction.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
  jar/org/springmodules/validation/valang/functions/AbstractFunction.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
  jar/org/springmodules/validation/valang/functions/LowerCaseFunction.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
  jar/org/springmodules/validation/valang/functions/RegExFunction.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
  jar/org/springmodules/validation/valang/javascript/taglib/ValangJavaScriptTagUtils.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
  jar/org/springmodules/validation/valang/parser/DefaultVisitor.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
  jar/org/springmodules/validation/valang/functions/FunctionTemplate.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
  jar/org/springmodules/validation/valang/functions/ResolveFunction.java
*/
jar/org/springmodules/validation/valang/parser/ValangVisitor.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-jar/org/springmodules/validation/valang/functions/NotFunction.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-jar/org/springmodules/validation/valang/functions/BeanPropertyFunction.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-jar/org/springmodules/validation/valang/functions/LengthOfFunction.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-jar/org/springmodules/validation/valang/functions/CustomPropertyEditor.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-jar/org/springmodules/validation/valang/javascript/taglib/ValangRulesExportInterceptor.java

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Found in path(s):
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-jar/org/springmodules/validation/valang/javascript/taglib/ValangRulesExportInterceptor.java

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options {
    STATIC = false;
    DEBUG_PARSER = false;
}
PARSER_BEGIN(ValangParser)
/*
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* distributed under the License is distributed on an "AS IS" BASIS,
package org.springmodules.validation.valang.parser;

import java.lang.reflect.Constructor;
import java.math.BigDecimal;
import java.util.ArrayList;
import java.util.Collection;
import java.util.HashMap;
import java.util.Iterator;
import java.util.Map;
import java.io.StringReader;
import org.apache.commons.collections.Predicate;
import org.apache.commons.collections.functors.AndPredicate;
import org.apache.commons.collections.functors.NotPredicate;
import org.apache.commons.collections.functors.OrPredicate;
import org.apache.commons.logging.Log;
import org.apache.commons.logging.LogFactory;
import org.springframework.beans.BeanUtils;
import org.springframework.util.StringUtils;
import org.springframework.util.ClassUtils;
import org.springframework.util.Assert;
import org.springmodules.validation.util.date.DateParseException;
import org.springmodules.validation.util.date.DefaultDateParser;
import org.springmodules.validation.valang.functions.AddFunction;
import org.springmodules.validation.valang.functions.BeanPropertyFunction;
import org.springmodules.validation.valang.functions.DateLiteralFunction;
import org.springmodules.validation.valang.functions.DivideFunction;
import org.springmodules.validation.valang.functions.Function;
import org.springmodules.validation.valang.functions.LiteralFunction;
import org.springmodules.validation.valang.functions.ModuloFunction;
import org.springmodules.validation.valang.functions.MultiplyFunction;
import org.springmodules.validation.valang.functions.SubtractFunction;
import org.springmodules.validation.valang.functions.TargetBeanFunction;
import org.springmodules.validation.valang.predicates.BasicValidationRule;
import org.springmodules.validation.valang.predicates.Operator;
import org.springmodules.validation.valang.predicates.OperatorConstants;

public class ValangParser {

    private static Log log = LogFactory.getLog(ValangParser.class);
    private DefaultVisitor visitor = new DefaultVisitor();

    private static Log log = LogFactory.getLog(ValangParser.class);
    private DefaultVisitor visitor = new DefaultVisitor();

}
public ValangParser(String expression) {
    this(new StringReader(expression));
}

public ValangParser(String expression, Map customFunctions, Map dateParsers) {
    this(new StringReader(expression));
    setDateParsersByRegexp(dateParsers);
    setFunctionsByName(customFunctions);
}

public DefaultVisitor getVisitor() {
    if (this.visitor == null) {
        throw new IllegalStateException("Visistor is not set on parser");
    }
    return this.visitor;
}

public void setVisitor(DefaultVisitor visitor) {
    Assert.notNull(visitor, "ValangParser cannot accept a 'null' visitor");
    this.visitor = visitor;
}

public void setDateParsersByRegexp(Map dateParsersByRegexp) {
    if (dateParsersByRegexp == null) {
        return;
    }
    for (Iterator iter = dateParsersByRegexp.keySet().iterator(); iter.hasNext();) {
        String regexp = (String)iter.next();
        Object value = dateParsersByRegexp.get(regexp);
        if (value instanceof String) {
            getVisitor().getDateParser().register(regexp, (String)value);
        } else if (value instanceof DefaultDateParser.DateModifier) {
            getVisitor().getDateParser().register(regexp, (DefaultDateParser.DateModifier)value);
        } else {
            throw new ClassCastException("Could not register instance [" + value + "] with date parser!");
        }
    }
}

public void setFunctionsByName(Map functionsByName) {
    if (functionsByName == null) {
        return;
    }
    final Map constructorMap = new HashMap();
    for (Iterator iter = functionsByName.keySet().iterator(); iter.hasNext();) {

    }
Object stringNameObject = iter.next();
if (!(String)stringNameObject) {
    throw new IllegalArgumentException("Key for custom functions map must be a string value!");
}

String functionName = (String)stringNameObject;
Object functionClassNameObject = functionsByName.get(functionName);
if (!functionClassNameObject instanceof String) {
    throw new IllegalArgumentException("Value for custom function map must be a string!");
}

String functionClassName = (String)functionClassNameObject;
Class functionClass = loadClass(functionClassName);
if (!Function.class.isAssignableFrom(functionClass)) {
    throw new IllegalArgumentException("Custom function classes must implement org.springmodules.validation.valang.functions.Function!");
}

Constructor constructor = null;
try {
    constructor = functionClass.getConstructor(new Class[]{Function.class, int.class, int.class});
} catch (NoSuchMethodException e) {
    throw new IllegalArgumentException("Class \[" + functionClass.getName() + "] has no constructor with one org.springmodules.validation.valang.functions.Function parameter!");
}

constructorMap.put(functionName, constructor);

getVisitor().setVisitor(new ValangVisitor() {
    public Function getFunction(String name, Function[] functions, int line, int column) {
        if (constructorMap.containsKey(name)) {
            Constructor functionConstructor = (Constructor)constructorMap.get(name);
            return (Function) BeanUtils.instantiateClass(functionConstructor, new Object[]{functions,
                new Integer(line), new Integer(column)});
        }
        return null;
    }

}));

private Class loadClass(String className) {
    try {
        return ClassUtils.forName(className);
    } catch (ClassNotFoundException cnfe) {
        log.error("Could not load class " + className + ", cnfe); throw new IllegalArgumentException("Could not load class " + className + ");
    }

}
private String replace(String s) {
  String tmpS = s;

  tmpS = StringUtils.replace(tmpS, "\\", "\"");
  tmpS = StringUtils.replace(tmpS, "\n", "\n");
  tmpS = StringUtils.replace(tmpS, "\r", "\r");
  tmpS = StringUtils.replace(tmpS, "\t", "\t");
  tmpS = StringUtils.replace(tmpS, "\b", "\b");
  tmpS = StringUtils.replace(tmpS, "\f", "\f");
  tmpS = StringUtils.replace(tmpS, ",", ",");
}

PARSER_END(ValangParser)

SKIP :
{
  = =
  |"\t"
  |"\n"
  |"\r"
}

TOKEN [IGNORE_CASE] :
{
  < AND : "AND" >
  |< OR : "OR" >
  |< NOT : "NOT" >
  |< BETWEEN : "BETWEEN" | "IS BETWEEN" >
  |< NOT_BETWEEN : "NOT BETWEEN" | "IS NOT BETWEEN" >
  |< IN : "IN" | "IS IN" >
  |< NOT_IN : "NOT IN" | "IS NOT IN" >
  |< IS_NULL : "IS NULL" | "NULL" >
  |< IS_NOT_NULL : "IS NOT NULL" | "NOT NULL" >
  |< HAS_TEXT : "HAS TEXT" >
  |< HAS_NO_TEXT : "HAS NO TEXT" >
  |< HAS_LENGTH : "HAS LENGTH" >
  |< HAS_NO_LENGTH : "HAS NO LENGTH" >
  |< IS_BLANK : "IS BLANK" >
  |< IS_NOT_BLANK : "IS NOT BLANK" >
  |< IS_UPPER_CASE : "IS UPPERCASE" | "IS UPPER CASE" | "IS UPPER" >
  |< IS_NOT_UPPER_CASE : "IS NOT UPPERCASE" | "IS NOT UPPER CASE" | "IS NOT UPPER" >
  |< IS_LOWER_CASE : "IS LOWERCASE" | "IS LOWER CASE" | "IS LOWER" >
Predicate parseExpression() :
{
    Predicate predicate = null;
    Function targetBeanFunction = new TargetBeanFunction();
    }
    }
    predicate = predicates(targetBeanFunction) <EOF> { return predicate; }
Predicate predicate = null;
Collection rules = new ArrayList();
String message = null;
String field = null;
String errorKey = null;
Collection errorArgs = null;
Function function = null;
Function fieldFunction = null;

predicate = predicates(fieldFunction);

String message = token.image.substring(1, token.image.length() - 1);
errorKey = token.image.substring(1, token.image.length() - 1);

function = function(fieldFunction); errorArgs.add(function);

rules.add(new BasicValidationRule(field, predicate, errorKey, message, errorArgs));

/* take into account error key and error args for localization */
Predicate not(Function fieldFunction) :
{
    Predicate predicate = null;
}

<NOT> predicate = expression(fieldFunction) { return NotPredicate.getInstance(predicate); }

Predicate predicates(Function fieldFunction) :
{
    Predicate predicate1 = null;
    Predicate predicate2 = null;
    boolean andTest = false;
    boolean orTest = false;
}

predicate1 = expression(fieldFunction) {
    <AND> { andTest = true; }
    <OR> { orTest = true; }
    predicate2 = expression(fieldFunction)
    }
    if (andTest) {
        predicate1 = AndPredicate.getInstance(predicate1, predicate2);
        andTest = false;
    } else if (orTest) {
        predicate1 = OrPredicate.getInstance(predicate1, predicate2);
        orTest = false;
    }
    return predicate1;
}

Predicate expression(Function fieldFunction) :
{
    Predicate predicate = null;
}
Predicate predicate(Function fieldFunction) :
{
Function leftFunction = null;
Function rightFunction1 = null;
Function rightFunction2 = null;
Function tmpFunction = null;
Operator operator = null;
boolean notBetween = false;
boolean notIn = false;
Collection functions = new ArrayList();
boolean collectionProperty = false;
}
{

leftFunction = additiveExpr(fieldFunction)
(  
  (  
    operator = binaryOperator() rightFunction1 = additiveExpr(fieldFunction)
    [operator = unaryOperator() ]
  )
  return getVisitor().getPredicate(leftFunction, operator, rightFunction1, 0, 0);
  )
  |
(  <BETWEEN> | <NOT_BETWEEN> { notBetween = true: } )
(  rightFunction1 = additiveExpr(fieldFunction)
  <AND>
  rightFunction2 = additiveExpr(fieldFunction)
  )
  |
if (notBetween) {
return getVisitor().getPredicate(leftFunction, OperatorConstants.NOT_BETWEEN_OPERATOR, new
LiteralFunction(new Function[] { rightFunction1, rightFunction2 })), 0, 0;
} else {
  return getVisitor().getPredicate(leftFunction, OperatorConstants.BETWEEN_OPERATOR, new LiteralFunction(new Function[] { rightFunction1, rightFunction2 }), 0, 0);
}

|	(
  ( <IN> | <NOT_IN> { notIn = true; } )
  |
      LOOKAHEAD(2)
  tmpFunction = additiveExpr(fieldFunction) { functions.add(tmpFunction); }"
*"
  )
  tmpFunction = additiveExpr(fieldFunction) { functions.add(tmpFunction); }
  |"@" tmpFunction = beanProperty(fieldFunction) { collectionProperty = true; }
  
  |
  if (!collectionProperty) {
    tmpFunction = new LiteralFunction(functions);
  }
  if (notIn) {
    return getVisitor().getPredicate(leftFunction, OperatorConstants.NOT_IN_OPERATOR, tmpFunction, 0, 0);
  } else {
    return getVisitor().getPredicate(leftFunction, OperatorConstants.IN_OPERATOR, tmpFunction, 0, 0);
  }
}

Function function(Function fieldFunction) {
  String function = null;
  Function leftFunction = null;
  Function rightFunction = null;
  int line = 0;
  int column = 0;
  Collection functionArguments = new ArrayList();
}

|
leftFunction = function(fieldFunction) {
  functionArguments.add(leftFunction);
}
/*
}*/
{ leftFunction = getVisitor().getFunction(function, (Function[])functionArguments.toArray(new Function[functionArguments.size()]), line, column); }
| leftFunction = beanPropertyOrLiteral(fieldFunction) |
| "?" { leftFunction = fieldFunction; } |
| "(" leftFunction = additiveExpr(fieldFunction) ")" |
)
{
  return leftFunction;
}
}

Function additiveExpr(Function fieldFunction) :
{
  Function leftFunction = null;
  Function rightFunction = null;
  int line = 0;
  int column = 0;
  }
  |
  leftFunction = subtractiveExpr(fieldFunction)
( <ADD> { line = token.beginLine; column = token.beginColumn; } rightFunction = subtractiveExpr(fieldFunction) { leftFunction = new AddFunction(leftFunction, rightFunction, line, column); } )*
{
  return leftFunction;
}
}

Function subtractiveExpr(Function fieldFunction) :
{
  Function leftFunction = null;
  Function rightFunction = null;
  int line = 0;
  int column = 0;
  }
  |
  leftFunction = multiplicativeExpr(fieldFunction)
( <SUBTRACT> { line = token.beginLine; column = token.beginColumn; } rightFunction = multiplicativeExpr(fieldFunction) { leftFunction = new SubtractFunction(leftFunction, rightFunction, line, column); } )*
Function multiplicativeExpr(Function fieldFunction) :
{
    Function leftFunction = null;
    Function rightFunction = null;
    int line = 0;
    int column = 0;
    }
    leftFunction = function(fieldFunction)
    (       
        <MULTIPLY> { line = token.beginLine; column = token.beginColumn; } rightFunction = function(fieldFunction) { 
            leftFunction = new MultiplyFunction(leftFunction, rightFunction, line, column); }  
        |<DIVIDE> { line = token.beginLine; column = token.beginColumn; } rightFunction = function(fieldFunction) { 
            leftFunction = new DivideFunction(leftFunction, rightFunction, line, column); }  
        |<MOD> { line = token.beginLine; column = token.beginColumn; } rightFunction = function(fieldFunction) { 
            leftFunction = new ModuloFunction(leftFunction, rightFunction, line, column); }  
    )*  
    return leftFunction;  
    }
    }

Function beanPropertyOrLiteral(Function fieldFunction) :
{
    Function function = null;
    }
    function = literal() { return function; }  
    function = beanProperty(fieldFunction) { return function; }  
    }
    }

Function literal() :
{
    {          
            <TRUE> { return new LiteralFunction(Boolean.TRUE); }  
            | <FALSE> { return new LiteralFunction(Boolean.FALSE); }  
            | <STRING> { return new LiteralFunction(replace(token.image.substring(1, token.image.length() - 1))); }  
            | <NUM> { return new LiteralFunction(new BigDecimal(token.image)); }  
            |<DATE>{ try {
getVisitor().getDateParser().parse(token.image.substring(1, token.image.length() - 1));
    } catch (ParseException e) {
        throw new ParseException("Could not parse date \[" + token.image.substring(1, token.image.length() - 1) + "] at line ", + token.beginLine + ", column " + token.beginColumn + ".");
    }
    return new DateLiteralFunction(token.image.substring(1, token.image.length() - 1), getVisitor().getDateParser(),
        token.beginLine, token.beginColumn);
}
}

Function beanProperty(Function fieldFunction) {
    Function function = null;
    function = path() { return function; }
}

Function path() {
    String path = null;
    ( <PATH> { path = token.image; } |
        <FUNCTION_NAME> { path = token.image; } |
        <NOT_EQUAL> { operator = OperatorConstants.NOT_EQUAL_OPERATOR; } |
        <MORE_THAN_OR_EQUAL> { operator = OperatorConstants.MORE_THAN_OR_EQUAL_OPERATOR; } |
        <MORE_THAN> { operator = OperatorConstants.MORE_THAN_OPERATOR; } |
        <LESS_THAN_OR_EQUAL> { operator = OperatorConstants.LESS_THAN_OR_EQUAL_OPERATOR; } |
        <LESS_THAN> { operator = OperatorConstants.LESS_THAN_OPERATOR; } |
        <EQUALS> { operator = OperatorConstants.EQUALS_OPERATOR; } )
    return new BeanPropertyFunction(path);
}

Operator binaryOperator() {
    Operator operator = null;
    ( <NOT_EQUAL> { operator = OperatorConstants.NOT_EQUAL_OPERATOR; } |
        <MORE_THAN_OR_EQUAL> { operator = OperatorConstants.MORE_THAN_OR_EQUAL_OPERATOR; } |
        <MORE_THAN> { operator = OperatorConstants.MORE_THAN_OPERATOR; } |
        <LESS_THAN_OR_EQUAL> { operator = OperatorConstants.LESS_THAN_OR_EQUAL_OPERATOR; } |
        <LESS_THAN> { operator = OperatorConstants.LESS_THAN_OPERATOR; } |
        <EQUALS> { operator = OperatorConstants.EQUALS_OPERATOR; } )
    return operator;
Operator unaryOperator() {
    Operator operator = null;
    }
    }
    (  
    <IS_NULL> { operator = OperatorConstants.NULL_OPERATOR; }  
    | <IS_NOT_NULL> { operator = OperatorConstants.NOT_NULL_OPERATOR; }  
    | <HAS_TEXT> { operator = OperatorConstants.HAS_TEXT_OPERATOR; }  
    | <HAS_NO_TEXT> { operator = OperatorConstants.HAS_NO_TEXT_OPERATOR; }  
    | <HAS_LENGTH> { operator = OperatorConstants.HAS_LENGTH_OPERATOR; }  
    | <HAS_NO_LENGTH> { operator = OperatorConstants.HAS_NO_LENGTH_OPERATOR; }  
    | <IS_BLANK> { operator = OperatorConstants.IS_BLANK_OPERATOR; }  
    | <IS_NOT_BLANK> { operator = OperatorConstants.IS_NOT_BLANK_OPERATOR; }  
    | <IS_WORD> { operator = OperatorConstants.IS_WORD_OPERATOR; }  
    | <IS_NOT_WORD> { operator = OperatorConstants.IS_NOT_WORD_OPERATOR; }  
    | <IS_UPPER_CASE> { operator = OperatorConstants.IS_UPPER_CASE_OPERATOR; }  
    | <IS_NOT_UPPER_CASE> { operator = OperatorConstants.IS_NOT_UPPER_CASE_OPERATOR; }  
    | <IS_LOWER_CASE> { operator = OperatorConstants.IS_LOWER_CASE_OPERATOR; }  
    | <IS_NOT_LOWER_CASE> { operator = OperatorConstants.IS_NOT_LOWER_CASE_OPERATOR; }  
    )
    }
    return operator;
    }
    }

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Found in path(s):
*/

/opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1-
jar/org/springmodules/validation/commons/validwhen/ValidWhenParser.java
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Found in path(s):
*/
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/valang/predicates/OperatorConstants.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/util/cel/ognl/OgnlConditionExpressionParser.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/verification/util/date/DefaultDateParser.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/verification/util/condition/common/AndCondition.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/verification/util/condition/string/RegExpStringCondition.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/verification/util/xml/SubElementsIterator.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/verification/util/io/FileIterator.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/verification/util/context/BasicContextAware.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/verification/util/fel/FunctionExpressionParser.java
* /opt/cola/permits/1111391503_1606905926.0/0/spring-modules-validation-0-8a-sources-1.jar/org/springmodules/validation/verification/util/condition/date/jodatime/IsAfterInstantCondition.java
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/*
 * $Header:
cvs/springmodules/projects/validation/src/java/org/springmodules/validation/commons/validwhen/ValidWhenLexer.java,v 1.3 2006/10/27 01:59:59 hueboness Exp $
 * $Revision: 1.3 $
 * $Date: 2006/10/27 01:59:59 $
 *
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 */

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 *
 * @author Oliver Hutchison
package org.springmodules.validation.commons.validwhen;

import java.util.Stack;
import java.math.BigDecimal;
import org.apache.commons.validator.util.ValidatorUtils;

class ValidWhenParser extends Parser;
	onlyOptions {

    k=6;
    defaultErrorHandler=false;

} {Stack argStack = new Stack();

    Object form;
    int index;
    String value;

    public void setForm(Object f) { form = f; };

}
public void setIndex (int i) { index = i; };
public void setValue (String v) { value = v; };

public boolean getResult() {
    return ((Boolean)argStack.peek()).booleanValue();
}

private final int LESS_EQUAL=0;
private final int LESS_THAN=1;
private final int EQUAL=2;
private final int GREATER_THAN=3;
private final int GREATER_EQUAL=4;
private final int NOT_EQUAL=5;
private final int AND=6;
private final int OR=7;

private boolean evaluateComparison (Object v1, Object compare, Object v2) {
    if ((v1 == null) || (v2 == null)) {
        if (String.class.isInstance(v1)) {
            if (((String) v1).length() == 0) {
                v1 = null;
            }
        }
        if (String.class.isInstance(v2)) {
            if (((String) v2).length() == 0) {
                v2 = null;
            }
        }
        switch (((Integer)compare).intValue()) {
            case LESS_EQUAL:
            case GREATER_THAN:
            case LESS_THAN:
            case GREATER_EQUAL:
                return false;
            case EQUAL:
                return (v1 == v2);
            case NOT_EQUAL:
                return (v1 != v2);
        }
    }
    boolean numberCompare = true;
    if ((BigDecimal.class.isInstance(v1) || String.class.isInstance(v1)) &&
        (BigDecimal.class.isInstance(v2) || String.class.isInstance(v2))) {
        numberCompare = true;
    } else {
        numberCompare = false;
    }
}
if (numberCompare) {
    try {
        BigDecimal number1, number2;
        if (BigDecimal.class.isInstance(v1)) {
            number1 = (BigDecimal)v1;
        } else {
            number1 = new BigDecimal((String) v1);
        }
        if (BigDecimal.class.isInstance(v2)) {
            number2 = (BigDecimal)v2;
        } else {
            number2 = new BigDecimal((String) v2);
        }
        int compareResult = number1.compareTo(number2);

        switch (((Integer)compare).intValue()) {
            case LESS_EQUAL:
                return (compareResult <= 0);
            case LESS_THAN:
                return (compareResult < 0);
            case EQUAL:
                return (compareResult == 0);
            case GREATER_THAN:
                return (compareResult > 0);
            case GREATER_EQUAL:
                return (compareResult >= 0);
            case NOT_EQUAL:
                return (compareResult != 0);
        }
    } catch (NumberFormatException ex) {};
}

String string1 = String.valueOf(v1);
String string2 = String.valueOf(v2);

int res = string1.compareTo(string2);

switch (((Integer)compare).intValue()) {
    case LESS_EQUAL:
        return (res <= 0);
    case LESS_THAN:
return (res < 0);

case EQUAL:
    return (res == 0);

case GREATER_THAN:
    return (res > 0);

case GREATER_EQUAL:
    return (res >= 0);

case NOT_EQUAL:
    return (res != 0);
}
Object i8 = argStack.pop();
    argStack.push(ValidatorUtils.getValueAsString(form, i8 + "[" + index + "]"));
}
| identifier |
    Object i9 = argStack.pop();
    argStack.push(ValidatorUtils.getValueAsString(form, (String)i9));
| ; |

literal : number | string | "null" { argStack.push(null); } | THIS { argStack.push(value); } |
value : field | literal ;

expression : expr EOF;

expr: LPAREN comparisonExpression RPAREN | LPAREN joinedExpression RPAREN;

joinedExpression : expr join expr |
    Boolean v1 = (Boolean) argStack.pop();
    Integer join = (Integer) argStack.pop();
    Boolean v2 = (Boolean) argStack.pop();
    if (join.intValue() == AND) |
        argStack.push(new Boolean(v1.booleanValue() && v2.booleanValue()));
    else |
        argStack.push(new Boolean(v1.booleanValue() || v2.booleanValue()));
    |
join : ANDSIGN { argStack.push(new Integer(AND)); } |
    ORSIGN { argStack.push(new Integer(OR)); } |

comparison : 
    EQUALSIGN { argStack.push(new Integer(EQUAL)); } |
    GREATERTHANSIGN { argStack.push(new Integer(GREATER_THAN)); } |
    GREATEREQUALSIGN { argStack.push(new Integer(GREATER_EQUAL)); } |
    LESSTHANSIGN { argStack.push(new Integer(LESS_THAN)); } |
    LESSEQUALSIGN { argStack.push(new Integer(LESS_EQUAL)); } |
    NOTEQUALSIGN { argStack.push(new Integer(NOT_EQUAL)); } ;

comparisonExpression : value comparison value |
    Object v2 = argStack.pop();
    Object comp = argStack.pop();
    Object v1 = argStack.pop();
    argStack.push(new Boolean(evaluateComparison(v1, comp, v2))); |
|
class ValidWhenLexer extends Lexer;
options {
    k=2;
    caseSensitive=false;
    defaultErrorHandler=false;
}
tokens {
    ANDSIGN="and";
    ORSIGN="or";
}

WS : ( ' ' | \t | \n | \r )+
    { $setType(Token.SKIP); } 

DECIMAL_LITERAL : (-)? ( 
    (('1'..'9') (0..'9')*) ('.' (0..'9')+)?
    |
    (0'.' (0..'9')+)
  )

HEX_LITERAL : '0' 'x' (0..'9' | 'a'..'f')+

STRING_LITERAL : ('\' (~'\')* '\') | ('"' (~'"')* '"')

LBRACKET : '[

RBRACKET : ']

LPAREN : '('

RPAREN : ')'

THIS : "*this*"

IDENTIFIER : ( 'a'..'z' | '.' | '_') ( 'a'..'z' | '0'..'9' | '.' | '_')+

EQUALSIGN : '=' '='

NOTEQUALSIGN : '!' '='

LESSTHANSIGN : '<'

GREATERTHANSIGN : '>

LESSEQUALSIGN : '<' '='

GREATEREQUALSIGN : '>' '='

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Version 3, 29 June 2007

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package org.eclipse.persistence.descriptors.copying;

import org.eclipse.persistence.exceptions. *
import org.eclipse.persistence.internal.descriptors.PersistenceObject;
import org.eclipse.persistence.internal.helper. *
import org.eclipse.persistence.sessions. *

/**
 * Purpose: This is the default copy policy when weaving is used.
 * It creates a copy by creating a shallow clone of the object using the weaved _persistence_shallow_clone() method.
 */
public class PersistenceEntityCopyPolicy extends AbstractCopyPolicy {
    public PersistenceEntityCopyPolicy() {
        super();
    }

    public Object buildWorkingCopyClone(Object object, Session session) throws DescriptorException {
        return ((PersistenceObject)object)._persistence_shallow_clone();
    }

    public Object buildClone(Object object, Session session) throws DescriptorException {
        return ((PersistenceObject)object)._persistence_shallow_clone();
    }

    public boolean buildsNewInstance() {
        return false;
    }

    public String toString() {
        return Helper.getShortClassName(this) + ")";
    }
}
package org.eclipse.persistence.descriptors.copying;

import java.lang.reflect.*;
import java.security.AccessController;
import java.security.PrivilegedActionException;

import org.eclipse.persistence.exceptions.**
import org.eclipse.persistence.internal.helper.*;
import org.eclipse.persistence.queries.ObjectBuildingQuery;
import org.eclipse.persistence.sessions.*;
import org.eclipse.persistence.internal.sessions.AbstractRecord;
import org.eclipse.persistence.internal.descriptors.ObjectBuilder;
import org.eclipse.persistence.internal.security.PrivilegedAccessHelper;
import org.eclipse.persistence.internal.security.PrivilegedMethodInvoker;

/**
 * <p><b>Purpose</b>: Allows a clone of an object to be created with a method that returns
 * the cloned object.
 *</p>
 * It is possible to define methods for two types of clones
 *
 * 1. methodName can be set to define the method EclipseLink uses to clone objects for it's
 * own internal use. The objects created by this method will not be visible to the user, and
 * instead used as a basis for comparison when a DeferredChangeDetectionPolicy used. This method will
 * also be in place of the workingCopyMethod if it is not provided
 *
 * 2. workingCopyMethod this method is used to create the clone that is returned to the user when an
 * Object is registered in a UnitOfWork
 */
public class CloneCopyPolicy extends AbstractCopyPolicy {

    /** Allow for clone method to be specified. */
    protected String methodName;
    protected String workingCopyMethodName;
    protected transient Method method;
protected transient Method workingCopyMethod;

public CloneCopyPolicy() {
    super();
}

/**
 * Clone through calling the clone method.
 */
public Object buildClone(Object domainObject, Session session) throws DescriptorException {
    // Must allow for null clone method for 9.0.4 deployment XML.
    if (this.getMethodName() == null) {
        return getDescriptor().getObjectBuilder().buildNewInstance();
    }
    try {
        if (PrivilegedAccessHelper.shouldUsePrivilegedAccess()){
            try {
                return AccessController.doPrivileged(new PrivilegedMethodInvoker(this.getMethod(), domainObject,
                        new Object[0]));
            } catch (PrivilegedActionException exception) {
                Exception throwableException = exception.getException();
                if (throwableException instanceof IllegalAccessException) {
                    throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
                            this.getDescriptor(), throwableException);
                } else {
                    throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
                            this.getDescriptor(), throwableException);
                }
            }
        } else {
            return PrivilegedAccessHelper.invokeMethod(this.getMethod(), domainObject, new Object[0]);
        }
    } catch (IllegalAccessException exception) {
        throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
                this.getDescriptor(), exception);
    } catch (InvocationTargetException exception) {
        throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
                this.getDescriptor(), exception);
    }
}

/**
 * Clone through the workingCopyClone method, or if not specified the clone method.
 */
public Object buildWorkingCopyClone(Object domainObject, Session session) throws DescriptorException {
    if (this.getWorkingCopyMethodName() == null) {
        //not implemented to perform special operations.
    }
}
try {
    if (PrivilegedAccessHelper.shouldUsePrivilegedAccess()){
        try {
            return AccessController.doPrivileged(new PrivilegedMethodInvoker(this.getWorkingCopyMethod(),
            domainObject, new Object[0]));
        } catch (PrivilegedActionException exception) {
            Exception throwableException = exception.getException();
            if (throwableException instanceof IllegalAccessException) {
                throw DescriptorException.illegalAccessWhileCloning(domainObject, this.getMethodName(),
            this.getDescriptor(), throwableException);
            } else {
                throw DescriptorException.targetInvocationWhileCloning(domainObject, this.getMethodName(),
            this.getDescriptor(), throwableException);
            }
        } else {
            return PrivilegedAccessHelper.invokeMethod(this.getWorkingCopyMethod(), domainObject, new
            Object[0]);
        }
    }
}

/**
 * Create a new instance, unless a workingCopyClone method is specified, then build a new instance and clone it.
 */
@Override
public Object buildWorkingCopyCloneFromRow(Record row, ObjectBuildingQuery query, Object primaryKey,
UnitOfWork uow) throws DescriptorException {
    // For now must preserve CMP code which builds heavy clones with a context.
    // Also preserve for clients who use the copy policy.
    ObjectBuilder builder = getDescriptor().getObjectBuilder();
    if (getWorkingCopyMethodName() != null) {
        Object original = builder.buildNewInstance();
        builder.buildAttributesIntoShallowObject(original, (AbstractRecord)row, query);
        return buildWorkingCopyClone(original, query.getSession());
    } else {
        return builder.buildNewInstance();
    }
/**
 * Return the clone method.
 */
protected Method getMethod() {
    return method;
}

/**
 * Return the clone method name.
 */
public String getMethodName() {
    return methodName;
}

/**
 * Return the workingCopyClone method.
 * This is used to clone within a unit of work.
 */
protected Method getWorkingCopyMethod() {
    return workingCopyMethod;
}

/**
 * Return the workingCopyClone method name.
 * This is used to clone within a unit of work.
 */
public String getWorkingCopyMethodName() {
    return workingCopyMethodName;
}

/**
 * Validate and build the methods.
 */
public void initialize(Session session) throws DescriptorException {
    final Class javaClass = this.getDescriptor().getJavaClass();
    try {
        // Must allow for null clone method for 9.0.4 deployment XML.
        if (this.getMethodName() != null) {
            this.setMethod(Helper.getDeclaredMethod(javaClass, this.getMethodName(), new Class[0]));
        }
    } catch (NoSuchMethodException exception) {
        session.getIntegrityChecker().handleError(DescriptorException.noSuchMethodWhileInitializingCopyPolicy(this.getMethodName(), this.getDescriptor(), exception));
    } catch (SecurityException exception) {
        session.getIntegrityChecker().handleError(DescriptorException.securityWhileInitializingCopyPolicy(this.getMethodName(), this.getDescriptor(), exception));
    }
}
if (this.getWorkingCopyMethodName() != null) {
    try {
        this.setWorkingCopyMethod(Helper.getDeclaredMethod(javaClass, this.getWorkingCopyMethodName(),
                new Class[0]));
    } catch (NoSuchMethodException exception) {
        session.getIntegrityChecker().handleError(DescriptorException.noSuchMethodWhileInitializingCopyPolicy(this.getMethodName(),
                this.getDescriptor(), exception));
    } catch (SecurityException exception) {
        session.getIntegrityChecker().handleError(DescriptorException.securityWhileInitializingCopyPolicy(this.getMethodName(),
                this.getDescriptor(), exception));
    }
}

/**
 * Set the clone method.
 */
protected void setMethod(Method method) {
    this.method = method;
}

/**
 * Set the clone method name.
 */
public void setMethodName(String methodName) {
    this.methodName = methodName;
}

/**
 * Set the workingCopyClone method.
 * This is used to clone within a unit of work.
 */
protected void setWorkingCopyMethod(Method method) {
    this.workingCopyMethod = method;
}

/**
 * Set the workingCopyClone method name.
 * This is used to clone within a unit of work.
 */
public void setWorkingCopyMethodName(String methodName) {
    this.workingCopyMethodName = methodName;
}

/**
 * Return false as a shallow clone is returned, not a new instance.
 */
public boolean buildNewInstance() {
    return getMethodName() == null;
}

public String toString() {
    return Helper.getShortClassName(this) + "(" + this.getMethodName() + ")";
}
}

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package org.eclipse.persistence.descriptors.copying;

import java.io.*;
import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.descriptors.ClassDescriptor;
import org.eclipse.persistence.queries.ObjectBuildingQuery;
import org.eclipse.persistence.sessions.*;

/**
 * <b>Purpose</b>: Allows customization of how an object is cloned.
 * An implementer of CopyPolicy can be set on a descriptor to provide
 * special cloning routine for how an object is cloned in a unit of work.
 * By default the InstantiationCopyPolicy is used which creates a new instance of
 * the class to be copied into.
 * */
* The CloneCopyPolicy can also be used that uses a clone method in the object
to clone the object. When a clone method is used it avoid the requirement of having to
copy over each of the direct attributes.
*
* @see org.eclipse.persistence.descriptors.copying.CloneCopyPolicy
* @see org.eclipse.persistence.descriptors.copying.InstantiationCopyPolicy
*/
public interface CopyPolicy extends Cloneable, Serializable {

    /**
     * Return a shallow clone of the object for usage with object copying, or unit of work backup cloning.
     */
    Object buildClone(Object object, Session session) throws DescriptorException;

    /**
     * Return a shallow clone of the object for usage with the unit of work working copy.
     */
    Object buildWorkingCopyClone(Object object, Session session) throws DescriptorException;

    /**
     * Return an instance with the primary key set from the row, used for building a working copy during a unit of
     * work transactional read.
     */
    Object buildWorkingCopyCloneFromRow(Record row, ObjectBuildingQuery query, Object primaryKey,
   UnitOfWork uow) throws DescriptorException;

    /**
     * Clone the CopyPolicy.
     */
    Object clone();

    /**
     * Allow for any initialization or validation required.
     */
    void initialize(Session session) throws DescriptorException;

    /**
     * Set the descriptor.
     */
    void setDescriptor(ClassDescriptor descriptor);

    /**
     * Return if this copy policy creates a new instance, vs a clone.
     */
    boolean buildsNewInstance();
}

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import org.eclipse.persistence.exceptions. *
import org.eclipse.persistence.internal.helper. *
import org.eclipse.persistence.sessions. *

/**
 * <p><b>Purpose</b>: This is the default copy policy.
 * It creates a copy by creating a new instance of the object and then using the
 * mappings specified for the object to populate the object.
 */
public class InstantiationCopyPolicy extends AbstractCopyPolicy {
    public InstantiationCopyPolicy() {
        super();
    }

    public Object buildClone(Object domainObject, Session session) throws DescriptorException {
        return getDescriptor().getObjectBuilder().buildNewInstance();
    }

    public boolean buildsNewInstance() {
        return true;
    }

    public String toString() {
        return Helper.getShortClassName(this) + "()";
    }
}

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package org.eclipse.persistence.descriptors.copying;

import org.eclipse.persistence.descriptors.ClassDescriptor;
import org.eclipse.persistence.exceptions.*;
import org.eclipse.persistence.sessions.*;
import org.eclipse.persistence.queries.ObjectBuildingQuery;

/**
 * <p><b>Purpose</b>: Allows customization of how an object is cloned.
 * This class defines common behavior that allows a subclass to be used
 * and set on a descriptor to provide a special cloning routine for how an object
 * is cloned in a unit of work.
 */
public abstract class AbstractCopyPolicy implements CopyPolicy {
    protected ClassDescriptor descriptor;

    public AbstractCopyPolicy() {
        super();
    }

    public abstract Object buildClone(Object domainObject, Session session) throws DescriptorException;

    /**
     * By default use the buildClone.
     */
    public Object buildWorkingCopyClone(Object domainObject, Session session) throws DescriptorException {
        return buildClone(domainObject, session);
    }

    /**
     * By default create a new instance.
     */
    public Object buildWorkingCopyCloneFromRow(Record row, ObjectBuildingQuery query, Object primaryKey,
                                             UnitOfWork uow) throws DescriptorException {
        return this.descriptor.getObjectBuilder().buildNewInstance();
    }

    /**
     * INTERNAL:
     * Clones the CopyPolicy
     */
    public Object clone() {
        try {
           // clones itself
           return super.clone();
        }
    }
catch (Exception exception) {
}
return null;
}

/**
 * Return the descriptor.
 */
protected ClassDescriptor getDescriptor() {
    return descriptor;
}

/**
 * Do nothing by default.
 */
public void initialize(Session session) throws DescriptorException {
    // Do nothing by default.
}

/**
 * Set the descriptor.
 */
public void setDescriptor(ClassDescriptor descriptor) {
    this.descriptor = descriptor;
}

1.1760 enum34 1.0.4-1

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1.1761 system-rules 1.2.0

1.1762 openssl 1.0.2k-16.el7

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1.1764 libsndfile 1.0.25

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This option is useful when you wish to copy part of the code of
the Library into a program that is not a library.

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must be distributed under the terms of Sections 1 and 2 above on a
medium customarily used for software interchange.

If distribution of object code is made by offering access to copy
from a designated place, then offering equivalent access to copy the
source code from the same place satisfies the requirement to
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5. A program that contains no derivative of any portion of the
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However, linking a "work that uses the Library" with the Library
creates an executable that is a derivative of the Library (because it
contains portions of the Library), rather than a "work that uses the
library". The executable is therefore covered by this License.
Section 6 states terms for distribution of such executables.

When a "work that uses the Library" uses material from a header file
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Whether this is true is especially significant if the work can be
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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is
interface-compatible with the version that the work was made with.

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1.1770 grizzly-framework 2.3.24

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jar/io/netty/handler/codec/dns/DnsResponseDecoder.java
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jar/javassist/CannotCompileException.java
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* /opt/cola/permits/1136375532_1613752600.16/0/javassist-3-24-1-ga-sources-3-jar/javassist/util/proxy/Proxy.java
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Found in path(s):
* /opt/cola/permits/1136375532_1613752600.16/0/javassist-3-24-1-ga-sources-3-jar/javassist/bytecode/annotation/MemberValueVisitor.java
* /opt/cola/permits/1136375532_1613752600.16/0/javassist-3-24-1-ga-sources-3-jar/javassist/bytecode/annotation/DoubleMemberValue.java
* /opt/cola/permits/1136375532_1613752600.16/0/javassist-3-24-1-ga-sources-3-jar/javassist/bytecode/annotation/LongMemberValue.java
* /opt/cola/permits/1136375532_1613752600.16/0/javassist-3-24-1-ga-sources-3-jar/javassist/bytecode/annotation/EnumMemberValue.java
* /opt/cola/permits/1136375532_1613752600.16/0/javassist-3-24-1-ga-sources-3-jar/javassist/bytecode/annotation/FloatMemberValue.java
* /opt/cola/permits/1136375532_1613752600.16/0/javassist-3-24-1-ga-sources-3-jar/javassist/bytecode/annotation/ShortMemberValue.java
* /opt/cola/permits/1136375532_1613752600.16/0/javassist-3-24-1-ga-sources-3-jar/javassist/bytecode/annotation/ArrayMemberValue.java
* /opt/cola/permits/1136375532_1613752600.16/0/javassist-3-24-1-ga-sources-3-jar/javassist/bytecode/annotation/StringMemberValue.java
* /opt/cola/permits/1136375532_1613752600.16/0/javassist-3-24-1-ga-sources-3-jar/javassist/bytecode/ClassFileWriter.java
1.1773 jetty 9.4.31.v20200723

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN
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* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api
The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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1.1778 tomcat-annotations-api 8.0.43

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1.1788 e2fsprogs 1.45.7-r0

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This is the Debian GNU/Linux prepackaged version of the static EXT2 file system consistency checker (e2fsck.static). The EXT2 utilities were written by Theodore Ts'o <tytso@mit.edu> and Remy Card <card@masi.ibp.fr>.

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# This is a Makefile stub which handles the creation of BSD shared libraries.
# In order to use this stub, the following makefile variables must be defined.

all:: image

real-subdirs:: Makefile
@echo "MKDIR pic"
BSD_LIB = $(BSDLIB_IMAGE).so.$(BSDLIB_VERSION)
BSDLIB_PIC_FLAG = -fpic

image:$(BSD_LIB)

$(BSD_LIB): $(OBJS)
(cd pic; ld -Bshareable -o $(BSD_LIB) $(LDFLAGS_SHLIB) $(OBJS))
$(MV) pic/$(BSD_LIB) .
$(RM) -f $(BSD_LIB)
(cd ..; $(LN) $(LINK_BUILD_FLAGS) \`
  `echo $(my_dir) | sed -e 's;lib/;;'`/$(BSD_LIB) $(BSD_LIB)
  \`)

install-shlibs install:: $(BSD_LIB)
@echo "INSTALL_PROGRAM $(BSDLIB_INSTALL_DIR)/$(BSD_LIB)"
@$(INSTALL_PROGRAM) $(BSD_LIB) \$(DESTDIR)$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)
@-$(LDCONFIG)

install-strip: install

install-shlibs-strip:: install-shlibs

uninstall-shlibs uninstall::
$(RM) -f $(DESTDIR)/$(BSDLIB_INSTALL_DIR)/$(BSD_LIB)

clean::
$(RM) -rf pic
$(RM) -f $(BSD_LIB)
$(RM) -f ../$(BSD_LIB)

This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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Index: tdbsa/tdb.c
===================================================================
--- tdbsa.orig/tdb.c
+++ tdbsa/tdb.c
@@ -4,11 +4,11 @@ Rev: 23371
/*

- Unix SMB/CIFS implementation.
+ trivial database library - standalone version

- trivial database library - private includes
-
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Theodore Ts'o
23-June-2007

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[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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That's all there is to it!
This package was added to the e2fsprogs debian source package by
Theodore Ts'o <tytso@mit.edu> on Sat Mar 15 15:33:37 EST 2003

It is part of the main e2fsprogs distribution, which can be found at:

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Upstream Author: Theodore Ts'o <tytso@mit.edu>

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This package was put together by Yann Dirson <dirson@debian.org>,
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Gadi Oxman, August 1995

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Julian Seward, Cambridge, UK.
jsward@acm.org
bzip2/libbz2 version 1.0.2 of 30 December 2001

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   usage: minibz2 [-d] [-[1,2,..9]] [[srcfilename] destfilename]
*/

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javasecurity.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javamail.glassfish
Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

MortBay
The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

The UnixCrypt.java code implements the one way cryptography used by Unix systems for simple password protection. Copyright 1996 Aki Yoshida, modified April 2001 by Iris Van den Broeke, Daniel Deville. Permission to use, copy, modify and distribute UnixCrypt for non-commercial or commercial purposes and without fee is granted provided that the copyright notice appears in all copies.

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/**
* XSLT-driven View that allows for response context to be rendered as the
* result of an XSLT transformation.
* *
* <p>The XSLT Source object is supplied as a parameter in the model and then
* [ @link #locateSource detected ] during response rendering. Users can either specify
* a specific entry in the model via the [ @link #setSourceKey sourceKey ] property or
* have Spring locate the Source object. This class also provides basic conversion
* of objects into Source implementations. See [ @link #getSourceTypes() here ]
* for more details.
* *
* <p>All model parameters are passed to the XSLT Transformer as parameters.
* In addition the user can configure [ @link #setOutputProperties output properties ]
* to be passed to the Transformer.
* *
* @author Rob Harrop
* @author Juergen Hoeller
* @since 2.0
* /

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* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-
* jar/org/springframework/web/servlet/view/xslt/XsltView.java
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* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/mvc/annotation/ResponseStatusExceptionResolver.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/view/velocity/VelocityView.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/view/tiles2/SpringBeanPreparerFactory.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/view/tiles2/SimpleSpringPreparerFactory.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/view/tiles2/SpringLocaleResolver.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/view/tiles2/TilesViewResolver.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/view/tiles2/AbstractRssFeedView.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/view/tiles2/SpringPreparerFactory.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/view/tiles2/SimpleSpringPreparerFactory.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/view/freemarker/FreeMarkerViewResolver.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/view/AbstractRssFeedView.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/view/AbstractView.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/support/RequestContext.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/view/AbstractTemplateView.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/view/AbstractTemplateView.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/view/UrlBasedViewResolver.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/HandlerExceptionResolver.java
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  jar/org/springframework/web/servlet/tags/EscapeBodyTag.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-
  jar/org/springframework/web/servlet/view/jasperreports/JasperReportsPdfView.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-
  jar/org/springframework/web/servlet/view/jasperreports/JasperReportsCsvView.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-
  jar/org/springframework/web/servlet/view/jasperreports/JasperReportsHtmlView.java
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  jar/org/springframework/web/servlet/view/jasperreports/JasperReportsXlsView.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-
  jar/org/springframework/web/servlet/handler/SimpleServletHandlerAdapter.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-
  jar/org/springframework/web/servlet/handler/HandlerInterceptorAdapter.java

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  jar/org/springframework/web/servlet/i18n/AcceptHeaderLocaleResolver.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-
  jar/org/springframework/web/servlet/handler/HandlerInterceptorAdapter.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/view/BeanNameViewResolver.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/HandlerInterceptor.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/view/velocity/VelocityLayoutViewResolver.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/i18n/SessionLocaleResolver.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/mvc/multiaction/MethodNameResolver.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/theme/FixedThemeResolver.java
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* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/tags/form/RadioButtonTag.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/mvc/multiaction/AbstractControllerUrlHandlerMapping.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/support/JstlUtils.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/tags/form/RadioButtonsTag.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/tags/BindErrorsTag.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/tags/form/submitButtonTag.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/mvc/support/AbstractControllerUrlHandlerMapping.java
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* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/view/velocity/VelocityConfig.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/tags/HtmlEscapeTag.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/tags/ModelAndViewDefiningException.java
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* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1.jar/org/springframework/web/servlet/mvc/ParameterizableViewController.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1.jar/org/springframework/web/servlet/mvc/CancellableFormController.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1.jar/org/springframework/web/servlet/tags/form/PasswordInputTag.java
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* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1.jar/org/springframework/web/servlet/mvc/SimpleControllerHandlerAdapter.java
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* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/handler/WebRequestHandlerInterceptorAdapter.java
* /opt/cola/permits/1136489453_1613774328.07/0/spring-webmvc-3-0-3-release-sources-1-jar/org/springframework/web/servlet/tags/RequestContextAwareTag.java
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* /opt/cola/permits/1135947480_1613639089.52/0/spring-orm-4-3-29-release-sources-1-jar/org/springframework/orm/hibernate3/HibernateOptimisticLockingFailureException.java
* /opt/cola/permits/1135947480_1613639089.52/0/spring-orm-4-3-29-release-sources-1-jar/org/springframework/orm/jdo/TransactionAwarePersistenceManagerFactoryProxy.java
*/
* /opt/cola/permits/1135947480_1613639089.52/0/spring-orm-4-3-29-release-sources-1-jar/org/springframework/orm/jdo/PersistenceManagerFactoryUtils.java
*/
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* /opt/cola/permits/1135947480_1613639089.52/0/spring-orm-4-3-29-release-sources-1-jar/org/springframework/orm/jdo/DefaultJdoDialect.java
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* /opt/cola/permits/1135947480_1613639089.52/0/spring-orm-4-3-29-release-sources-1-jar/org/springframework/orm/hibernate3/LocalRegionFactoryProxy.java
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* /opt/cola/permits/1135947480_1613639089.52/0/spring-orm-4-3-29-release-sources-1-jar/org/springframework/orm/jdo/JdoDialect.java
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* /opt/cola/permits/1135947480_1613639089.52/0/spring-orm-4-3-29-release-sources-1-jar/org/springframework/orm/jdo/support/OpenPersistenceManagerInViewInterceptor.java
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* /opt/cola/permits/1135947480_1613639089.52/0/spring-orm-4-3-29-release-sources-1-jar/org/springframework/orm/hibernate4/HibernateOptimisticLockingFailureException.java
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*/
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*/
/**
* Create a transactional EntityManager proxy for the given EntityManagerFactory.
* @param emf the EntityManagerFactory to obtain EntityManagers from as needed
* @param properties the properties to be passed into the
* @code createEntityManager} call (may be @code null})
* @param entityManagerInterfaces the interfaces to be implemented by the
* EntityManager. Allows the addition or specification of proprietary interfaces.
* @return a shareable transactional EntityManager proxy
*/

Found in path(s):
* /opt/cola/permits/1135947480_1613639089.52/0/spring-orm-4-3-29-release-sources-1-
jar/org/springframework/orm/jpa/SharedEntityManagerCreator.java
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jar/org/springframework/orm/jpa/ExtendedEntityManagerCreator.java
* /opt/cola/permits/1135947480_1613639089.52/0/spring-orm-4-3-29-release-sources-1-
jar/org/springframework/orm/jpa/vendor/AbstractJpaVendorAdapter.java
* /opt/cola/permits/1135947480_1613639089.52/0/spring-orm-4-3-29-release-sources-1-
jar/org/springframework/orm/jpavendor/EclipseLinkJpaVendorAdapter.java
* /opt/cola/permits/1135947480_1613639089.52/0/spring-orm-4-3-29-release-sources-1-
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* /opt/cola/permits/1135947480_1613639089.52/0/spring-orm-4-3-29-release-sources-1-jar/org/springframework/orm/jpa/vendor/SpringHibernateJpaPersistenceProvider.java
* /opt/cola/permits/1135947480_1613639089.52/0/spring-orm-4-3-29-release-sources-1-jar/org/springframework/orm/hibernate3/HibernateTemplate.java
* /opt/cola/permits/1135947480_1613639089.52/0/spring-orm-4-3-29-release-sources-1-jar/org/springframework/orm/hibernate4/SpringSessionSynchronization.java
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* /opt/ws_local/PERMITS_SQL/1068640202_1594426149.53/0/spring-context-support-3-1-4-release-sources-1-
  jar/org/springframework/mail/javamail/MimeMessageHelper.java
* /opt/ws_local/PERMITS_SQL/1068640202_1594426149.53/0/spring-context-support-3-1-4-release-sources-1-
  jar/org/springframework/ui/freemarker/FreeMarkerConfigurationFactory.java
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* /opt/ws_local/PERMITS_SQL/1068640202_1594426149.53/0/spring-context-support-3-1-4-release-sources-1-jar/org/springframework/mail/javamail/MimeMailMessage.java
* /opt/ws_local/PERMITS_SQL/1068640202_1594426149.53/0/spring-context-support-3-1-4-release-sources-1-jar/org/springframework/mail/MailMessage.java
* /opt/ws_local/PERMITS_SQL/1068640202_1594426149.53/0/spring-context-support-3-1-4-release-sources-1-jar/org/springframework/scheduling/commonj/DelegatingTimerListener.java

1.1809 jackson-datatype-jdk8 2.10.2

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1.1814 libuser 0.60-7.el7_1

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1.1815 metrics-health-checks 4.0.5

1.1816 websocket-servlet 9.4.18.v20190429

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Eclipse

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.1817 jackson-dataformat-xml 2.11.2

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* /opt/cola/permits/1135953553_1613641105.48/0/spring-tx-4-1-9-release-sources-2.jar/org/springframework/transaction/interceptor/TransactionAttribute.java
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---------------------------------------------------------------------------

pnm2png / png2pnm --- conversion from PBM/PGM/PPM-file to PNG-file

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() {} {}

Found in path(s):
* // brackets must be in pairs
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"foo${expr0}bar${expr1}". The static

Found in path(s):
* // Chew on the expression text - relying on the rules
* case ""
* case \'
No license file was found, but licenses were detected in source scan.

"foo\{expr0\}bar\{expr1\}". The static

Found in path(s):
* // number of expressions all contained in "${...}" markers. For instance
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*/
Found in path(s):
* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1.jar/org/springframework/expression/spel/ast/AstUtils.java
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" +

Found in path(s):
* " for expression starting at character " + prefixIndex + "
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case ']':case '}' :

Found in path(s):
* case '}
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Found in path(s):
* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1.jar/org/springframework/expression/MethodExecutor.java
* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1.jar/org/springframework/expression/spel/InternalParseException.java
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* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1.jar/org/springframework/expression/spel/ast/Ternary.java
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Found in path(s):
  * /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1-jar/org/springframework/expression/ExpressionInvocationTargetException.java
  * /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1-jar/org/springframework/expression/spel/support/ReflectivePropertyAccessor.java
  * /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1-jar/org/springframework/expression/spel/ast/PropertyOrFieldReference.java
  * /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1-jar/org/springframework/expression/spel/ast/MethodReference.java
  * /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1-jar/org/springframework/expression/spel/ast/TypeReference.java
  * /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1-jar/org/springframework/expression/spel/support/StandardTypeLocation.java
  * /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1-jar/org/springframework/expression/spel/support/StandardTypeConverter.java
  * /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1-jar/org/springframework/expression/spel/standard/SpelExpressionParser.java
  * /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1-jar/org/springframework/expression/spel/ast/OpDivide.java
  * /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1-jar/org/springframework/expression/spel/ExpressionInvocationTargetException.java
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case '!': case '(':

Found in path(s):
* case '{'
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Found in path(s):
* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1.jar/org/springframework/expression/spel/SpelParseException.java
* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1.jar/org/springframework/expression/spel/SpelEvaluationException.java
* /opt/cola/permits/1112533649_1607107420.83/0/spring-expression-3-0-3-release-sources-1.jar/org/springframework/expression/ParserContext.java
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square brackets [] round brackets () and curly brackets {}

Found in path(s):
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1.1827 tigervnc 1.8.0-13.el7
1.1827.1 Available under license:

This package was packaged for Debian by Brian P. Hinz <bphinz@users.sourceforge.net> on Tue, 02 Jul 2013 21:33:24 +0500 using the tightvnc package as a base.

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1.1832 jackson-module-afterburner 2.10.2

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KHR/khrplatform.h   Khronos

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include/GL/g1.h :

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include/GL/glxext.h
include/GL/wglxext.h :

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* /opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
  jar/io/netty/handler/codec/DatagramPacketDecoder.java
* /opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
  jar/io/netty/handler/codec/compression/CompressionUtil.java
* /opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
  jar/io/netty/handler/codec/DateFormatter.java
* /opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
  jar/io/netty/handler/codec/DatagramPacketEncoder.java
* /opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
  jar/io/netty/handler/codec/compression/ByteBufChecksum.java
* /opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
  jar/io/netty/handler/codec/string/LineSeparator.java
* /opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
  jar/io/netty/handler/codec/CodecOutputList.java
* /opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
  jar/io/netty/handler/codec/string/LineEncoder.java

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  jar/io/netty/handler/codec/Headers.java
* /opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
  jar/io/netty/handler/codec/EmptyHeaders.java
* /opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
  jar/io/netty/handler/codec/DefaultHeaders.java
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 */
/**
 * Enumeration of supported Base64 dialects.
 */

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 */

/**
 * A decoder that splits the received ByteBufs dynamically by the
 * value of the length field in the message. It is particularly useful when you
 * decode a binary message which has an integer header field that represents the
 * length of the message body or the whole message.
 * </p>
 * {@link LengthFieldBasedFrameDecoder} has many configuration parameters so
 * that it can decode any message with a length field, which is often seen in
 * proprietary client-server protocols. Here are some example that will give
 * you the basic idea on which option does what.
 *
 * <h3>2 bytes length field at offset 0, do not strip header</h3>
 *
 * The value of the length field in this example is 12 (0x0C) which
 * represents the length of "HELLO, WORLD". By default, the decoder assumes
 * that the length field represents the number of the bytes that follows the
 * length field. Therefore, it can be decoded with the simplistic parameter
 * combination.
 * </pre>
 * <b>lengthFieldOffset</b> = 0
 * <b>lengthFieldLength</b> = 2
 * lengthAdjustment = 0
 * initialBytesToStrip = 0 (= do not strip header)
 */
Because we can get the length of the content by calling

[@link ByteBuf#readableBytes()], you might want to strip the length field by specifying <tt>initialBytesToStrip</tt>. In this example, we specified <tt>2</tt>, that is same with the length of the length field, to strip the first two bytes.

```
lengthFieldOffset = 0
lengthFieldLength = 2
lengthAdjustment = 0
initialBytesToStrip = 2
```

Because we can get the length of the content by calling

[@link ByteBuf#readableBytes()], you might want to strip the length field by specifying <tt>initialBytesToStrip</tt>. In this example, we specified <tt>2</tt>, that is same with the length of the length field, to strip the first two bytes.

```
lengthFieldOffset = 0
lengthFieldLength = 2
lengthAdjustment = 0
initialBytesToStrip = 2
```

In most cases, the length field represents the length of the message body only, as shown in the previous examples. However, in some protocols, the length field represents the length of the whole message, including the message header. In such a case, we specify a non-zero lengthAdjustment<tt>/tt</tt>. Because the length value in this example message is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt> as lengthAdjustment<tt>/tt</tt> for compensation.

```
lengthFieldOffset = 0
lengthFieldLength = 2
lengthAdjustment = -2
initialBytesToStrip = 0
```

In most cases, the length field represents the length of the message body only, as shown in the previous examples. However, in some protocols, the length field represents the length of the whole message, including the message header. In such a case, we specify a non-zero lengthAdjustment<tt>/tt</tt>. Because the length value in this example message is always greater than the body length by <tt>2</tt>, we specify <tt>-2</tt> as lengthAdjustment<tt>/tt</tt> for compensation.

```
lengthFieldOffset = 0
lengthFieldLength = 2
lengthAdjustment = -2
initialBytesToStrip = 0
```
* The following message is a simple variation of the first example. An extra
* header value is prepended to the message. `<tt>lengthAdjustment` is zero
* again because the decoder always takes the length of the prepended data into
* account during frame length calculation.
* `<pre>`
* `<b>lengthFieldOffset</b> = <b>2</b> (= the length of Header 1)
* `<b>lengthFieldLength</b> = <b>3</b>
* lengthAdjustment = 0
* initialBytesToStrip = 0
* `<pre>`
* BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Header 1 | Length  | Actual Content |----->| Header 1 | Length  | Actual Content |
* | 0xCAFE  | 0x00000C | "HELLO, WORLD" |      | 0xCAFE  | 0x00000C | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>`
* `<h3>3 bytes length field at the beginning of 5 bytes header, do not strip header</h3>`
* This is an advanced example that shows the case where there is an extra
* header between the length field and the message body. You have to specify a
* positive `<tt>lengthAdjustment` so that the decoder counts the extra
* header into the frame length calculation.
* `<pre>`
* lengthFieldOffset = 0
* lengthFieldLength = 3
* `<b>lengthAdjustment</b> = <b>2</b> (= the length of Header 1)
* initialBytesToStrip = 0
* `<pre>`
* BEFORE DECODE (17 bytes)                      AFTER DECODE (17 bytes)
* +----------+----------+----------------+      +----------+----------+----------------+
* | Length  | Header 1 | Actual Content |----->| Length  | Header 1 | Actual Content |
* | 0x00000C | 0xCAFE  | "HELLO, WORLD" |      | 0x00000C | 0xCAFE  | "HELLO, WORLD" |
* +----------+----------+----------------+      +----------+----------+----------------+
* </pre>`
* `<h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
* strip the first header field and the length field</h3>`
* This is a combination of all the examples above. There are the prepended
* header before the length field and the extra header after the length field.
* The prepended header affects the `<tt>lengthFieldOffset` and the extra
* header affects the `<tt>lengthAdjustment`. We also specified a non-zero
* `<tt>initialBytesToStrip` to strip the length field and the prepended
* header from the frame. If you don't want to strip the prepended header, you
could specify <tt>0</tt> for <tt>initialBytesToSkip</tt>.

* <pre>
  lengthFieldOffset   = 1 (= the length of HDR1)
  lengthFieldLength   = 2
  <b>lengthAdjustment</b>    = <b>1</b> (= the length of HDR2)
  <b>initialBytesToStrip</b> = <b>3</b> (= the length of HDR1 + LEN)
*
  BEFORE DECODE (16 bytes)                       AFTER DECODE (13 bytes)
  +--------------------+--------+--------------------+
  | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
  | 0xCA | 0x000C | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
  +--------------------+--------+--------------------+
* </pre>

* <h3>2 bytes length field at offset 1 in the middle of 4 bytes header,
   strip the first header field and the length field, the length field
   represents the length of the whole message</h3>

* Let's give another twist to the previous example. The only difference from
  the previous example is that the length field represents the length of the
  whole message instead of the message body, just like the third example.
  We have to count the length of HDR1 and Length into <tt>lengthAdjustment</tt>.
  Please note that we don't need to take the length of HDR2 into account
  because the length field already includes the whole header length.
* <pre>
  lengthFieldOffset   = 1
  lengthFieldLength   = 2
  <b>lengthAdjustment</b>    = <b>-3</b> (= the length of HDR1 + LEN, negative)
  <b>initialBytesToStrip</b> = <b>3</b>
*
  BEFORE DECODE (16 bytes)                       AFTER DECODE (13 bytes)
  +--------------------+--------+--------------------+
  | HDR1 | Length | HDR2 | Actual Content |----->| HDR2 | Actual Content |
  | 0xCA | 0x0010 | 0xFE | "HELLO, WORLD" |      | 0xFE | "HELLO, WORLD" |
  +--------------------+--------+--------------------+
* </pre>

* @see LengthFieldPrepender

*/

Found in path(s):
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  jar/io/netty/handler/codec/LengthFieldBasedFrameDecoder.java
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/** *
 * Utility class for [@link ByteBuf] that encodes and decodes to and from
 * <a href="http://en.wikipedia.org/wiki/Base64">Base64</a> notation.
 * <p>
 * The encoding and decoding algorithm in this class has been derived from
 * <a href="http://iharder.sourceforge.net/current/java/base64/">Robert Harder's Public Domain
 * Base64 Encoder/Decoder</a>.
 */

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  jar/io/netty/handler/codec/json/JsonObjectDecoder.java
* /opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
  jar/io/netty/handler/codec/compression/LzfEncoder.java
* /opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
  jar/io/netty/handler/codec/compression/SnappyFramedEncoder.java
* /opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
  jar/io/netty/handler/codec/compression/Bzip2Constants.java
* /opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
  jar/io/netty/handler/codec/compression/LzmaFrameEncoder.java
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  jar/io/netty/handler/codec/compression/Bzip2MTFAndRLE2StageEncoder.java
* /opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
  jar/io/netty/handler/codec/compression/Crc32.java
* /opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
  jar/io/netty/handler/codec/compression/Bzip2DivSufSort.java
* /opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
  jar/io/netty/handler/codec/compression/FastLzFrameDecoder.java
* /opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
  jar/io/netty/handler/codec/compression/Bzip2HuffmanStageDecoder.java
* /opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
  jar/io/netty/handler/codec/compression/LzfDecoder.java
* /opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
  jar/io/netty/handler/codec/compression/Bzip2HuffmanAllocator.java
* /opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
  jar/io/netty/handler/codec/compression/Bzip2BlockCompressor.java
* /opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
  jar/io/netty/handler/codec/compression/Bzip2HuffmanStageEncoder.java
* /opt/cola/permits/1110674842_1606843873.61/0/netty-codec-4-1-39-final-sources-1-
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* /opt/cola/permits/1110667136_1606842286.36/0/javax-inject-2-5-0-b32-sources-1-jar/javax/inject/Scope.java
* /opt/cola/permits/1110667136_1606842286.36/0/javax-inject-2-5-0-b32-sources-1-jar/javax/inject/Inject.java
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* /opt/cola/permits/1110667136_1606842286.36/0/javax-inject-2-5-0-b32-sources-1-jar/pom.xml

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1.1850 dhcp 4.2.5 68.el7.centos.1
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1.1861 redux-logger 3.0.6

1.1862 jackson-module-parameter-names

2.10.3

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For example, on rare occasions, there may be a special need to encourage the widest possible use of a certain library, so that it becomes a de-facto standard. To achieve this, non-free programs must be allowed to use the library. A more frequent case is that a free library does the same job as widely used non-free libraries. In this case, there is little to gain by limiting the free library to free software only, so we use the Lesser General Public License.

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Although the Lesser General Public License is less protective of the users' freedom, it does ensure that the user of a program that is linked with the Library has the freedom and the wherewithal to run that program using a modified version of the Library.

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

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If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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When a "work that uses the Library" uses material from a header file that is part of the Library, the object code for the work may be a derivative work of the Library even though the source code is not. Whether this is true is especially significant if the work can be linked without the Library, or if the work is itself a library. The threshold for this to be true is not precisely defined by law.

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

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

6. As an exception to the Sections above, you may also combine or link a "work that uses the Library" with the Library to produce a work containing portions of the Library, and distribute that work under terms of your choice, provided that the terms permit modification of the work for the customer's own use and reverse engineering for debugging such modifications.

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For an executable, the required form of the "work that uses the Library" must include any data and utility programs needed for reproducing the executable from it. However, as a special exception, the materials to be distributed need not include anything that is normally distributed (in either source or binary form) with the major components (compiler, kernel, and so on) of the operating system on which the executable runs, unless that component itself accompanies the executable.

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4. You may copy and distribute the Library (or a portion or derivative of it, under Section 2) in object code or executable form under the terms of Sections 1 and 2 above provided that you accompany it with the complete corresponding machine-readable source code, which must be distributed under the terms of Sections 1 and 2 above on a medium customarily used for software interchange.

If distribution of object code is made by offering access to copy from a designated place, then offering equivalent access to copy the source code from the same place satisfies the requirement to distribute the source code, even though third parties are not compelled to copy the source along with the object code.

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a) Accompany the work with the complete corresponding machine-readable source code for the Library including whatever changes were used in the work (which must be distributed under Sections 1 and 2 above); and, if the work is an executable linked with the Library, with the complete machine-readable "work that uses the Library", as object code and/or source code, so that the user can modify the Library and then relink to produce a modified executable containing the modified Library. (It is understood that the user who changes the contents of definitions files in the Library will not necessarily be able to recompile the application to use the modified definitions.)

b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

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From 0df1a50e41fb12fbeb6709575e5f12d64ed73b66 Mon Sep 17 00:00:00 2001
From: Stephane Rochoy <sheda>
Date: Sun, 22 Jun 2014 01:35:52 +0200

---
ChangeLog | 5 +++++
grub-core/loader/i386/bsd.c | 8 +++++++++include/grub/i386/netbsd_bootinfo.h | 7 +++++++
3 files changed, 20 insertions(+)
diff --git a/ChangeLog b/ChangeLog
index abf8f4b27..0cdd095a4 100644
--- a/ChangeLog
+++ b/ChangeLog
@@ -1,5 +1,10 @@
2014-06-21 Stephane Rochoy <sheda>
+ * grub-core/loader/i386/bsd.c (grub_netbsd_boot): Pass pointer to
+ EFI system table.
 +
+2014-06-21 Stephane Rochoy <sheda>
+
+ * grub-core/commands/efi/lsefisystab.c (grub_cmd_lsefisystab): Show EFI system table physical address.

diff --git a/grub-core/loader/i386/bsd.c b/grub-core/loader/i386/bsd.c
index 41ef9109e..8f691e0e2 100644
--- a/grub-core/loader/i386/bsd.c
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`@author Rossen Stoyanchev`
`@since 3.1`

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  */opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/tags/ParamViewTag.java
  */opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/tags/OnShowViewTag.java
  */opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/tags/OnClickViewTag.java
  */opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/tags/UrlTag.java
  */opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/tags/ViewTag.java
  */opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/tags/ViewResolverTag.java
  */opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/tags/ViewResolverTag.java

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* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-jar/org/springframework/web/servlet/handler/AbstractHandlerMethodExceptionResolver.java
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jar/org/springframework/web/servlet/mvc/support/RedirectAttributesModelMap.java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-
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* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-
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jar/org/springframework/web/servlet/mvc/method/annotation/AbstractMessageConverterMethodArgumentResolver. java
* /opt/ws_local/PERMITS_SQL/1068640596_1594426253.18/0/spring-webmvc-3-1-4-release-sources-
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 */
/**
 * XSLT-driven View that allows for response context to be rendered as the
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The XSLT Source object is supplied as a parameter in the model and then
[@link #locateSource detected] during response rendering. Users can either specify
a specific entry in the model via the [@link #setSourceKey sourceKey] property or
have Spring locate the Source object. This class also provides basic conversion
of objects into Source implementations. See [@link #getSourceTypes() here]
for more details.

All model parameters are passed to the XSLT Transformer as parameters.
In addition the user can configure [@link #setOutputProperties output properties]
to be passed to the Transformer.

@since 2.0

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This option is useful when you wish to copy part of the code of the Library into a program that is not a library.

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1.1882 sed 4.2.2 5.el7
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Will not need to do anything if using PreparedStatement's standard methods,
but might be necessary to free database resources if using proprietary means.
<b>NOTE</b>: Needs to be invoked after the involved PreparedStatements have
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/**
 * Abstraction for handling large binary fields and large text fields in
 * specific databases, no matter if represented as simple types or Large OBjects.
 * Its main purpose is to isolate Oracle 9i's peculiar handling of LOBs in
 * {@link OracleLobHandler}; most other databases should be able to work
 * with the provided {@link DefaultLobHandler}.
 *
 * <p>Provides accessor methods for BLOBs and CLOBs, and acts as factory for
 * LobCreator instances, to be used as sessions for creating BLOBs or CLOBs.
 * LobCreators are typically instantiated for each statement execution or for
 * each transaction; they are not thread-safe because they might track
 * allocated database resources in order to free them after execution.
 *
 * <p>Most databases/drivers should be able to work with {@link DefaultLobHandler},
 * which by default delegates to JDBC's direct accessor methods, avoiding the
 * {@code java.sql.Blob} and {@code java.sql.Clob} API completely.
 * {@link DefaultLobHandler} can also be configured to access LOBs using
 * {@code PreparedStatement.setBlob/setClob} (e.g. for PostgreSQL), through
 * setting the {link DefaultLobHandler#setWrapAsLob "wrapAsLob"} property.
 *
 * Unfortunately, Oracle 9i just accepts Blob/Clob instances created via its own
 * proprietary BLOB/CLOB API, and additionally doesn't accept large streams for
 * PreparedStatement's corresponding setter methods. Therefore, you need to use
 * {@link OracleLobHandler} there, which uses Oracle's BLOB/CLOB API for both types
 * of access. The Oracle 10g+ JDBC driver will work with {@link DefaultLobHandler}
 * as well, with some limitations in terms of LOB sizes depending on DBMS setup;
 * as of Oracle 11g (or actually, using the 11g driver even against older databases),
 * there should be no need to use {@link OracleLobHandler} at all anymore.
 *
 * Of course, you need to declare different field types for each database.
* In Oracle, any binary content needs to go into a BLOB, and all character content
* beyond 4000 bytes needs to go into a CLOB. In MySQL, there is no notion of a
* CLOB type but rather a LONGTEXT type that behaves like a VARCHAR. For complete
* portability, use a LobHandler for fields that might typically require LOBs on
* some database because of the field size (take Oracle's numbers as a guideline).
*
* <p><b>Summarizing the recommended options (for actual LOB fields):</b></p>
* <ul>
* <li><b>JDBC 4.0 driver (including Oracle 11g driver):</b> Use {@link DefaultLobHandler},
* potentially with {code streamAsLob=true} if your database driver requires that
* hint when populating a LOB field. Fall back to {code createTemporaryLob=true}
* if you happen to run into LOB size limitations with your (Oracle) database setup.
* <li><b>Oracle 10g driver:</b> Use {link DefaultLobHandler} with standard setup.
* On Oracle 10.1, set the "SetBigStringTryClob" connection property; as of Oracle 10.2,
* DefaultLobHandler should work with standard setup out of the box. Alternatively,
* consider using the proprietary {link OracleLobHandler} (see below).
* <li><b>Oracle 9i driver:</b> Use {link OracleLobHandler} with a connection-pool-specific
* {code setNativeJdbcExtractor NativeJdbcExtractor}.
* <li><b>PostgreSQL:</b> Configure {link DefaultLobHandler} with {code wrapAsLob=true},
* and use that LobHandler to access OID columns (but not BYTEA) in your database tables.
* <li>For all other database drivers (and for non-LOB fields that might potentially
* turn into LOBs on some databases): Simply use a plain {link DefaultLobHandler}.
* </ul>
*
* @author Juergen Hoeller
* @since 23.12.2003
* @see DefaultLobHandler
* @see OracleLobHandler
* @see java.sql.ResultSet#getBlob
* @see java.sql.ResultSet#getClob
* @see java.sql.ResultSet#getBytes
* @see java.sql.ResultSet#getBinaryStream
* @see java.sql.ResultSet(getString
* @see java.sql.ResultSet#getAsciStream
* @see java.sql.ResultSet#asCharacterStream
*/

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  jar/org/springframework/jdbc/core/metadata/DerbyTableMetaDataProvider.java
* /opt/cola/permits/1135840180_1613612957.26/0/spring-jdbc-4-3-29-release-sources-1-
  jar/org/springframework/jdbc/core/namedparam/BeanPropertySqlParameterSource.java
* /opt/cola/permits/1135840180_1613612957.26/0/spring-jdbc-4-3-29-release-sources-1-
  jar/org/springframework/jdbc/core/metadata/Db2CallMetaDataProvider.java
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* /opt/cola/permits/1135840180_1613612957.26/0/spring-jdbc-4-3-29-release-sources-1-jar/org/springframework/jdbc/datasource/DataSourceTransactionManager.java
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 */
/**
 * Implement this interface when parameters need to be customized based
 * on the connection. We might need to do this to make use of proprietary
 * features, available only with a specific Connection type.
 *
 * @author Rod Johnson
 * @author Thomas Risberg
 * @see CallableStatementCreatorFactory#newCallableStatementCreator(ParameterMapper)
 * @see org.springframework.jdbc.object.StoredProcedure#execute(ParameterMapper)
 */
/**
 * Create a Map of input parameters, keyed by name.
 *
 * @param con JDBC connection. This is useful (and the purpose of this interface)
 * if we need to do something RDBMS-specific with a proprietary Connection
 * implementation class. This class conceals such proprietary details. However,
 * it is best to avoid using such proprietary RDBMS features if possible.
 * @throws SQLException if a SQLException is encountered setting
 * parameter values (that is, there's no need to catch SQLException)
 * @return Map of input parameters, keyed by name (never [ @code null ])
 */

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*/
* /opt/cola/permits/1135840180_1613612957.26/0/spring-jdbc-4-3-29-release-sources-1-
jar/org/springframework/jdbc/core/ParameterMapper.java

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/**
 * The classes in this package make JDBC easier to use and
 * reduce the likelihood of common errors. In particular, they:
 * <ul>
* Simplify error handling, avoiding the need for try/catch/finally blocks in application code.
* Present exceptions to application code in a generic hierarchy of unchecked exceptions, enabling applications to catch data access exceptions without being dependent on JDBC, and to ignore fatal exceptions there is no value in catching.
* Allow the implementation of error handling to be modified to target different RDBMSes without introducing proprietary dependencies into application code.

This package and related packages are discussed in Chapter 9 of Expert One-On-One J2EE Design and Development by Rod Johnson (Wrox, 2002).

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/**
* {@link LobHandler} implementation for Oracle databases. Uses proprietary API
* to create {@code oracle.sql.BLOB} and {@code oracle.sql.CLOB}
* instances, as necessary when working with Oracle's JDBC driver.
* Note that this LobHandler requires Oracle JDBC driver 9i or higher!
*<p>While most databases are able to work with {@link DefaultLobHandler},
* Oracle 9i (or more specifically, the Oracle 9i JDBC driver) just accepts
* Blob/Clob instances created via its own proprietary BLOB/CLOB API,
* and additionally doesn't accept large streams for PreparedStatement's
* corresponding setter methods. Therefore, you need to use a strategy like
* this LobHandler implementation, or upgrade to the Oracle 10g/11g driver
* (which still supports access to Oracle 9i databases).
*<p><b>NOTE: As of Oracle 10.2, {@link DefaultLobHandler} should work equally
* well out of the box. On Oracle 11g, JDBC 4.0 based options such as
* {@link DefaultLobHandler#setStreamAsLob} and {@link DefaultLobHandler#setCreateTemporaryLob}
* are available as well, rendering this proprietary OracleLobHandler obsolete.</b>
* Also, consider upgrading to a new driver even when accessing an older database.
* See the {@link LobHandler} interface javadoc for a summary of recommendations.
*
* <p>Needs to work on a native JDBC Connection, to be able to cast it to
* [@code oracle.jdbc.OracleConnection]. If you pass in Connections from a
* connection pool (the usual case in a Java EE environment), you need to set an
* appropriate [@link org.springframework.jdbc.support.nativejdbc.NativeJdbcExtractor]
* to allow for automatic retrieval of the underlying native JDBC Connection.
* LobHandler and NativeJdbcExtractor are separate concerns, therefore they
* are represented by separate strategy interfaces.
*
* <p>Coded via reflection to avoid dependencies on Oracle classes.
* Even reads in Oracle constants via reflection because of different Oracle
* drivers (classes12, ojdbc14, ojdbc5, ojdbc6) having different constant values!
* As this LobHandler initializes Oracle classes on instantiation, do not define
* this as eager-initializing singleton if you do not want to depend on the Oracle
* JAR being in the class path: use "lazy-init=true" to avoid this issue.
*
* @author Juergen Hoeller
* @author Thomas Risberg
* @since 04.12.2003
* @see DefaultLobHandler
* @see #setNativeJdbcExtractor
* @deprecated in favor of [@link DefaultLobHandler] for the Oracle 10g driver and
* higher. Consider using the 10g/11g driver even against an Oracle 9i database!
* [@link DefaultLobHandler#setCreateTemporaryLob] is the direct equivalent of this
* OracleLobHandler's implementation strategy, just using standard JDBC 4.0 API.
* That said, in most cases, regular DefaultLobHandler setup will work fine as well.
*/

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  jar/org/springframework/jdbc/support/lob/OracleLobHandler.java

1.1886 cglib-nodep 2.2

1.1887 guice-multibindings 4.2.3

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<xsl:stylesheet xmlns:xsl="http://www.w3.org/1999/XSL/Transform" version="1.0">
  <xsl:template name="isc.copyright.format">
    <xsl:param name="text"/>
    <xsl:value-of select="$isc.copyright.leader"/>
    <xsl:value-of select="normalize-space(substring-before($text, '&#10;'))"/>
    <xsl:text>&#10;</xsl:text>
    <xsl:variable name="rest" select="substring-after($text, '&#10;')"/>
    <xsl:if test="translate($rest, '&#9;&#32;', '')">
      <xsl:call-template name="isc.copyright.format">
        <xsl:with-param name="text" select="$rest"/>
      </xsl:call-template>
    </xsl:if>
  </xsl:template>
</xsl:stylesheet>
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* configure.ac, Makefile.am: The original versions were derived from the
ones in the XML Catalog Manager project, version 2.2.

   Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were
derived form the ones in the Monotone project, revision
3a0982da308228d796df35f98d787c5c0f2bb5b6.

   Author: Julio Merino <jmmv@NetBSD.org>

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

   Author: Julio Merino <jmmv84@gmail.com>

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

   Author: Julio Merino <jmmv84@gmail.com>

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vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2
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LDOPTS=${LIBS_PATH} ${LDPATH}

#LDOPTDYN=-shared -Wl,-soname,$(TARGET)
#LNDYNLIB=@$(RM) $(RM_FORCE) $(PTARGET_BASE).so; $(SYMLINK) $(TARGET)
$(PTARGET_BASE).so

LDOPTDYN=
LNDYNLIB=

RANLIB=@echo "==> RANDOMIZING ARCHIVE "$@""; ranlib

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Files from the Schily Autoconf system (GPL)
Support shell scripts for the Schily Makefile system (CDDL)
DEFAULTS/
Default files for the Schily Makefile system (CDDL)
DEFAULTS_ENG/
Default files for the Schily Makefile system (CDDL)
inc/
Support C-Files for the Schily Makefile system (CDDL)
include/
Support H-Files for the Schily Makefile system (CDDL)
RULES/
The main part of the Schily Makefile system (CDDL)
TARGETS/
Slot support for the Schily Makefile system (CDDL)
TEMPLATES/
Template support for the Schily Makefile system (CDDL)

For more information on the CDDL read the file CDDL.Schily.txt
For more information on the GPL read the file GPL-2.0.txt
For more information on the LGPL read the file LGPL-2.1.txt
#ident "@(#)Defaults.bsd-os 1.5 13/11/04 "
###########################################################################
#
# global definitions for BSD/OS Systems
#
###########################################################################
# Compiler stuff
#
# Link mode for libraries that are part of the makefile system:
# If DEFLINKMODE is set to "static", no dynamic linking will be used
# If DEFLINKMODE is set to "dynamic", dynamic linking will be used
#
###########################################################################
DEFLINKMODE=static
# If the next line is commented out, compilation is done with max warn level
# If the next line is uncommented, compilation is done with minimal warnings
#
###########################################################################
CWARNOPTS=
DEFINCDIRS=$(SRCROOT)/include
DEFOSINCDIRS=
#LDPATH=-L/opt/schily/lib
#RUNPATH=-R$(INS_BASE)/lib -R/opt/schily/lib -R$(OLIBSDIR)Will probably not work
###########################################################################
# # Installation config stuff # #
#*****************************************************************************
INS_BASE=/opt/schily
INS_KBASE=/
INS_RBASE=/
#
DEFUMASK=002
#
DEFINSMODEF=444
DEFINSMODEX=755
DEFINSUSR=root
DEFINSGRP=bin
#ident "@(#)/Defaults.bsd-os31_5 13/11/04 " #*****************************************************************************
#
# global definitions for BSD/OS Systems #
#*****************************************************************************
#
# Compiler stuff #
#*****************************************************************************
#DEFCCOM=cc
DEFCCOM=gcc
#*****************************************************************************
#
# Link mode for libraries that are part of the makefile system: #
# If DEFLINKMODE is set to "static", no dynamic linking will be used #
# If DEFLINKMODE is set to "dynamic", dynamic linking will be used #
#*****************************************************************************
DEFLINKMODE=static
#*****************************************************************************
#
# If the next line is commented out, compilation is done with max warn level #
# If the next line is uncommented, compilation is done with minimal warnings #
#*****************************************************************************
#CWARNOPTS=
DEFINCDIRS=$(SRCROOT)/include
DEFOSINCDIRS=
#LDPATH=-L/opt/schily/lib
#RUNPATH=-RS(INS_BASE)/lib -R/opt/schily/lib -RS$(OLIBSDIR)Will probably not work
# Installation config stuff
#
#INS_BASE=/opt/schily
#INS_KBASE=/
#INS_RBASE=/
INS_BASE=/tmp/schily
INS_KBASE=/tmp/schily/root
INS_RBASE=/tmp/schily/root
#
DEFUMASK=002
#
DEFINSMODEF=444
DEFINSMODEX=755
DEFINSUSR=root
DEFINSGRP=bin
#ident "@(#)i386-bsd-os3-cc.rul	1.13 13/11/04 "

# Written 1998 by J. Schilling

# Platform dependent MACROS for BSD/OS
#
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include $(SRCROOT)/$(RULESDIR)/rules.prg
include $(SRCROOT)/$(RULESDIR)/cc-gcc.rul
OSDEFS +=
CPPOPTS=-I$(ARCHDIR) -I$(OINCSDIR) $(INCDIRS:%=-I%) -I/sys $(INCDIRSX:%=-I%)
KDEFINES=-DKERNEL -D_KERNEL

#COPTDYN=-fpic
COPTDYN=

LIB_PREFIX=lib
LIB_SUFFIX=.a
#SHL_SUFFIX=.so.1.0
SHL_SUFFIX=

LIB_SOCKET=
LIB_MATH=-lm
LIB_KVM=

#LDOPTS=$(LIBS_PATH) $(LDPATH) $(RUNPATH:-R%=:R%-)
LDOPTS=$(LIBS_PATH) $(LDPATH)
#LDOPTDYN=-shared -Wl,-soname,$(TARGET)
#LNDYNLIB=\@$(RM) $(RM_FORCE) $(PTARGET_BASE).so; $(SYMLINK) $(TARGET)
$(PTARGET_BASE).so
LDOPTDYN=
LNDYNLIB=

#shlicc2 is not present oln older or newer systems
#LDCC=\@echo "==> LINKING \"$@\""; shlicc2
LDCC=\@echo "==> LINKING \"$@\""; shlicc
#DYNLD=\@echo "==> LINKING dynamic library \"$@\""; gcc
DYNLD=
RANLIB=\@echo "==> RANDOMIZING ARCHIVE \"$@\""; ranlib
#ident "@(#)os-bsd-os.def 1.2 06/05/14 "

###########################################################################
# Written 1998 by J. Schilling
###########################################################################
#
# Global os definitions for BSD/OS
#
###########################################################################
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###########################################################################

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MANSTYLE=bsd
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_O_ARCH=$(OSREL:3.%=bsd-os3)
O_ARCH=$(O_ARCH:4.%=bsd-os)
-O_ARCH=-$(O_ARCH)
#ident "@(#)os-bsd-os3.def 1.2 06/05/14 
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###########################################################################
MANSTYLE=bsd
#ident "@(#)i386-bsd-os-gcc.rul 1.15 13/11/04 
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#
# Platform dependent MACROS for BSD/OS
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###########################################################################
include $(SRCROOT)/$(RULESDIR)/rules.prg
###########################################################################
include $(SRCROOT)/$(RULESDIR)/cc-gcc.rul

OSDEFS +=
CPPOPTS=-I$(ARCHDIR) -I$(OINCSDIR) $(INCDIRS:%=-I%) -I/sys $(INCDIRSX:%=-I%)

KDEFINES=-DKERNEL -D_KERNEL

#COPTDYN=-fpic
COPTDYN=

LIB_PREFIX=lib
LIB_SUFFIX=.a

#SHL_SUFFIX=.so.1.0
SHL_SUFFIX=

LIB_SOCKET=
LIB_MATH=-lm
LIB_KVM=

#LDOPTS=$(LIBS_PATH) $(LDPATH) $(RUNPATH:-R%=.-Wl,-R%) $LIBS_PATH $(LDPATH)
LDOPTS=$(LIBS_PATH) $(LDPATH)
#LDOPTDYN=-shared -Wl,-soname,$TARGET
#LNDYNLIB=.@(RM) $(RM_FORCE) $(PTARGET_BASE).so; $(SYMLINK) $TARGET
#$(PTARGET_BASE).so
LDOPTDYN=
LNDYNLIB=

RANLIB=@echo "==>
RANDOMIZING ARCHIVE \"$@\\""; ranlib
#ident " @(#)Defaults.bsd-os 1.5 13/11/04 "
###########################################################################
# global definitions for BSD/OS Systems


# Compiler stuff

# Link mode for libraries that are part of the makefile system:
# If DEFLINKMODE is set to "static", no dynamic linking will be used
# If DEFLINKMODE is set to "dynamic", dynamic linking will be used

DEFLINKMODE=static

# If the next line is commented out, compilation is done with max warn level
# If the next line is uncommented, compilation is done with minimal warnings

DEFINCDIRS=$(SRCROOT)/include
DEFOSINCDIRS=

# LDPATH=-L/opt/schily/lib
# RUNPATH=-R$(INS_BASE)/lib -R/opt/schily/lib -R$(OLIBSDIR) Will probably not work

# Installation config stuff

# INS_BASE=/opt/schily
INS_KBASE=/
INS_RBASE=/
INS_BASE=/tmp/schily
INS_KBASE=/tmp/schily/root
INS_RBASE=/tmp/schily/root

DEFUMASK=002

DEFINSMODEF=444
DEFINSMODEX=755
DEFINSUSR=root
DEFINSGRP=bin
#ident @(#)man-bsd.def1.2 06/05/14
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# Definition for manual sections on BSD based systems
#
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MANSECT_SYSCALL=man2
MANSECT_LIB=man3
MANSECT_FILEFORM=man5
MANSECT_HDR=man7
MANSECT_TABLES=man7
MANSECT_MACROS=man7
MANSECT_GAMES=man6
MANSECT_DEMOS=man6
MANSECT_DEVICE=man4
MANSECT_NETWORK=man4
MANSECT_ADMIN=man8
MANSECT_DRIVER=man4

MANSUFF_CMD=1
MANSUFF_SYSCALL=2
MANSUFF_LIB=3
MANSUFF_FILEFORM=5
MANSUFF_HDR=7
MANSUFF_TABLES=7
MANSUFF_MACROS=7
MANSUFF_GAMES=6
MANSUFF_DEMOS=6
MANSUFFDEVICE=4
MANSUFF_NETWORK=4
MANSUFF_ADMIN=8
MANSUFF_DRIVER=4
#ident "@(#)i386-bsd-os3-gcc.rul.13 13/11/04 "
###########################################################################
# Written 1998 by J. Schilling
###########################################################################
# Platform dependent MACROS for BSD/OS
#
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###########################################################################
include $(SRCROOT)/$(RULESDIR)/rules.prg
###########################################################################
include $(SRCROOT)/$(RULESDIR)/cc-gcc.rul
OSDEFS +=
CPPOPTS=-I$(ARCHDIR) -I$(OINCSDIR) $(INCDIRS:%=-I%) -I/sys $(INCDIRSX:%=-I%)
KDEFINES=-DKERNEL -D_KERNEL

#COPTDYN=-fpic

COPTDYN=

LIB_PREFIX=lib
LIB_SUFFIX=.a

#SHL_SUFFIX=,so.1.0

SHL_SUFFIX=

LIB_SOCKET=

LIB_MATH=-lm
LIB_KVM=

#LDOPTS=\$(LIBS_PATH) \$(LDPATH) \$(RUNPATH:-R%=-Wl,-R%)
LDOPTS=\$(LIBS_PATH) \$(LDPATH)

#LDOPTDYN=\-shared \-Wl,-soname,\$(TARGET)
LNDYNLIB=\@\$(RM) \$(RM_FORCE) \$(PTARGET_BASE).so; \$(SYMLINK) \$(TARGET)
$(PTARGET_BASE).so
LDOPTDYNN=
LNDYNLIB=

#iflibc2 is not present on older or newer systems
LDCC=\@echo "===> LINKING \"$@\""; shlicc
LDCC=\@echo "===> LINKING \"$@\""; shlicc
DYNLD=\@echo "===> LINKING dynamic library \"$@\""; gcc
DYNLD=
RANLIB=\@echo "===> RANDOMIZING ARCHIVE \"$@\""; ranlib
#ident "@(#)Defaults.bsd-os31.5 13/11/04 
###########################################################################
#
# global definitions for BSD/OS Systems
#
###########################################################################
#
# Compiler stuff
#
###########################################################################
#DEFCCOM=cc
DEFCCOM=gcc
###########################################################################
# Link mode for libraries that are part of the makefile system:
# If DEFLINKMODE is set to "static", no dynamic linking will be used
# If DEFLINKMODE is set to "dynamic", dynamic linking will be used
#
###########################################################################
DEFLINKMODE=static
###########################################################################

# If the next line is commented out, compilation is done with max warn level
# If the next line is uncommented, compilation is done with minimal warnings
#
###########################################################################
CWARNOPTS=
DEFINCDIRS=$(SRCROOT)/include
DEFOSINCDIRS=
#LDPATH=-L/opt/schily/lib
#RUNPATH=-R$(INS_BASE)/lib -R/opt/schily/lib -R$(OLIBSDIR)Will probably not work
###########################################################################
#
# Installation config stuff
1.1904 tomcat 9.0.45

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- javaee_web_services_client_1_2.xsd
- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
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org.apache.tomcat.util.json.JSONParser.jj is a public domain javacc grammar for JSON written by Robert Fischer.
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- javaee_web_services_client_1_2.xsd
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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
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
- web-fragment_3_1.xsd
- javaee_8.xsd
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- web-common_4_0.xsd
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1.1905 springmodules-validation 0.8-
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Found in path(s):
* /opt/cola/permits/1263968654_1647276504.86/0/spring-modules-validation-
jar/org/springmodules/validation/javascript/valang_codebase.js

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header {
/ *
* $Header:
/cvs/springmodules/projects/validation/src/java/org/springmodules/validation/commons/validwhen/ValidWhenParse
r.g.v 1.3 2006/06/08 21:22:02 hueboness Exp $
* $Revision: 1.3 $
* $Date: 2006/06/08 21:22:02 $
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package org.springmodules.validation.commons.validwhen;

import java.util.Stack;
import java.math.BigDecimal;
import org.apache.commons.validator.util.ValidatorUtils;

class ValidWhenParser extends Parser;
options {
    k=6;
    defaultErrorHandler=false;
}
{Stack argStack = new Stack();
Object form;
int index;
String value;

public void setForm(Object f) { form = f; };
public void setIndex (int i) { index = i; };
public void setValue (String v) { value = v; };

public boolean getResult() {
    return ((Boolean)argStack.peek()).booleanValue();
}

private final int LESS_EQUAL=0;
private final int LESS_THAN=1;
private final int EQUAL=2;
private final int GREATER_THAN=3;
private final int GREATER_EQUAL=4;
private final int NOT_EQUAL=5;
private final int AND=6;
private final int OR=7;

private boolean evaluateComparison (Object v1, Object compare, Object v2) {
    if ((v1 == null) || (v2 == null)) {
        if (String.class.isInstance(v1)) {
            if (((String) v1).length() == 0) {
                v1 = null;
            }
        }
        if (String.class.isInstance(v2)) {
if (((String) v2).length() == 0) {
    v2 = null;
}
switch (((Integer)compare).intValue()) {
case LESS_EQUAL:
case GREATER_THAN:
case LESS_THAN:
case GREATER_EQUAL:
    return false;
case EQUAL:
    return (v1 == v2);
case NOT_EQUAL:
    return (v1 != v2);
}
}

boolean numberCompare = true;
if ((BigDecimal.class.isInstance(v1) || String.class.isInstance(v1)) &&
    (BigDecimal.class.isInstance(v2) || String.class.isInstance(v2))) {
    numberCompare = true;
} else {
    numberCompare = false;
}

if (numberCompare) {
    try {
        BigDecimal number1, number2;
        if (BigDecimal.class.isInstance(v1)) {
            number1 = (BigDecimal)v1;
        } else {
            number1 = new BigDecimal((String) v1);
        }
        if (BigDecimal.class.isInstance(v2)) {
            number2 = (BigDecimal)v2;
        } else {
            number2 = new BigDecimal((String) v2);
        }
        int compareResult = number1.compareTo(number2);

        switch (((Integer)compare).intValue()) {
            case LESS_EQUAL:
                return (compareResult <= 0);

            case LESS_THAN:
                return (compareResult < 0);

            case EQUAL:
                return false;
        }
    }
}
return (compareResult == 0);

case GREATER_THAN:
    return (compareResult > 0);

case GREATER_EQUAL:
    return (compareResult >= 0);

case NOT_EQUAL:
    return (compareResult != 0);
}
} catch (NumberFormatException ex) {}

String string1 = String.valueOf(v1);
String string2 = String.valueOf(v2);

int res = string1.compareTo(string2);

switch (((Integer)compare).intValue()) {
    case LESS_EQUAL:
        return (res <= 0);

    case LESS_THAN:
        return (res < 0);

    case EQUAL:
        return (res == 0);

    case GREATER_THAN:
        return (res > 0);

    case GREATER_EQUAL:
        return (res >= 0);

    case NOT_EQUAL:
        return (res != 0);
}

return true;
}

number
: d:DECIMAL_LITERAL { argStack.push(new BigDecimal(d.getText())); } |
| h:HEX_LITERAL { argStack.push(new BigDecimal(Integer.decode(h.getText()).toString())); };
string : str:STRING_LITERAL { argStack.push(str.getText().substring(1, str.getText().length()-1)); }

identifier
: str:IDENTIFIER { argStack.push(str.getText()); } ;

field
: identifier LBRACKET RBRACKET identifier {
   Object i2 = argStack.pop();
   Object i1 = argStack.pop();
   argStack.push(ValidatorUtils.getValueAsString(form, i1 + "[" + index + "]" + i2));
}
| identifier LBRACKET number RBRACKET identifier {
   Object i5 = argStack.pop();
   Object i4 = argStack.pop();
   Object i3 = argStack.pop();
   argStack.push(ValidatorUtils.getValueAsString(form, i3 + "[" + i4 + "]" + i5));
}
| identifier LBRACKET number RBRACKET LBRACKET {
   Object i7 = argStack.pop();
   Object i6 = argStack.pop();
   argStack.push(ValidatorUtils.getValueAsString(form, i6 + "[" + i7 + "]"));
}
| identifier LBRACKET RBRACKET {
   Object i8 = argStack.pop();
   argStack.push(ValidatorUtils.getValueAsString(form, i8 + "[" + index + "]"));
}
| identifier {
   Object i9 = argStack.pop();
   argStack.push(ValidatorUtils.getValueAsString(form, (String)i9));
}
;

literal : number | string | "null" | null | STRING_LITERAL | THIS |

value : field | literal ;

expression : expr EOF;

expr: LPAREN comparisonExpression RPAREN | LPAREN joinedExpression RPAREN;

joinedExpression : expr join expr {
   Boolean v1 = (Boolean) argStack.pop();
   Integer join = (Integer) argStack.pop();
   Boolean v2 = (Boolean) argStack.pop();
   if (join.intValue() == AND) {
      argStack.push(new Boolean(v1.booleanValue() && v2.booleanValue()));
   } else {
argStack.push(new Boolean(v1.booleanValue() || v2.booleanValue()));
}
};

join : ANDSIGN { argStack.push(new Integer(AND)); } |
    ORSIGN { argStack.push(new Integer(OR)); };

comparison :
    EQUALSIGN  { argStack.push(new Integer(EQUAL)); } |
    GREATERTHANSIGN { argStack.push(new Integer(GREATER_THAN)); } |
    GREATEREQUALSIGN  { argStack.push(new Integer(GREATER_EQUAL)); } |
    LESSTHANSIGN { argStack.push(new Integer(LESS_THAN)); } |
    LESSEQUALSIGN { argStack.push(new Integer(LESS_EQUAL)); } |
    NOTEQUALSIGN { argStack.push(new Integer(NOT_EQUAL)); } ;

comparisonExpression : value comparison value {
    Object v2 = argStack.pop();
    Object comp = argStack.pop();
    Object v1 = argStack.pop();
    argStack.push(new Boolean(evaluateComparison(v1, comp, v2)));
};

class ValidWhenLexer extends Lexer;

options {
    k=2;
    caseSensitive=false;
    defaultErrorHandler=false;
}

tokens {
    ANDSIGN="and";
    ORSIGN="or";
}

WS : ( ' ' | \t | \n | \r )+
    { $setType(Token.SKIP); };

DECIMAL_LITERAL : (\'-")? (\'(1\'..9\') (\'0\'..\'9\')* \'(\'0\'..\'9\')+)?
    |
    (\'0\'\. (\'0\'..\'9\')+)
);

HEX_LITERAL : \'0\' \'x\' (\'0\'..\'9\'| \'a\'..\'f\')+

STRING_LITERAL : (\'\\" (\'\\")+ \\\"\') | (\'\\" (\'\\")+ \\\"\") ;
options {
  STATIC = false;
  DEBUG_PARSER = false;
}
PARSER_BEGIN(ValangParser)
/*
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 */
package org.springmodules.validation.valang.parser;

import java.lang.reflect.Constructor;
import java.math.BigDecimal;
import java.util.ArrayList;
import java.util.Collection;
import java.util.HashMap;
import java.util.Iterator;
import java.util.Map;
import java.io.StringReader;

import org.apache.commons.collections.Predicate;
import org.apache.commons.collections.functors.AndPredicate;
import org.apache.commons.collections.functors.NotPredicate;
import org.apache.commons.collections.functors.OrPredicate;
import org.apache.commons.logging.Log;
import org.apache.commons.logging.LogFactory;
import org.springframework.beans.BeanUtils;
import org.springframework.util.StringUtils;
import org.springframework.util.ClassUtils;
import org.springframework.util.Assert;
import org.springmodules.validation.util.date.DateParseException;
import org.springmodules.validation.util.date.DefaultDateParser;
import org.springmodules.validation.valang.functions.AddFunction;
import org.springmodules.validation.valang.functions.BeanPropertyFunction;
import org.springmodules.validation.valang.functions.DateLiteralFunction;
import org.springmodules.validation.valang.functions.DivideFunction;
import org.springmodules.validation.valang.functions.Function;
import org.springmodules.validation.valang.functions.LiteralFunction;
import org.springmodules.validation.valang.functions.ModuloFunction;
import org.springmodules.validation.valang.functions.MultiplyFunction;
import org.springmodules.validation.valang.functions.SubtractFunction;
import org.springmodules.validation.valang.functions.TargetBeanFunction;
import org.springmodules.validation.valang.predicates.BasicValidationRule;
import org.springmodules.validation.valang.predicates.Operator;
import org.springmodules.validation.valang.predicates.OperatorConstants;

public class ValangParser {

    private static Log log = LogFactory.getLog(ValangParser.class);
    private DefaultVisitor visitor = new DefaultVisitor();

    public ValangParser(String expression) {
        this(new StringReader(expression));
    }

    private static Log log = LogFactory.getLog(ValangParser.class);
    private DefaultVisitor visitor = new DefaultVisitor();

    public ValangParser(String expression) {
        this(new StringReader(expression));
    }

}
public ValangParser(String expression, Map customFunctions, Map dateParsers) {
    this(new StringReader(expression));
    setDateParsersByRegexp(dateParsers);
    setFunctionsByName(customFunctions);
}

public DefaultVisitor getVisitor() {
    if (this.visitor == null) {
        throw new IllegalStateException("Visistor is not set on parser");
    }
    return this.visitor;
}

public void setVisitor(DefaultVisitor visitor) {
    Assert.notNull(visitor, "ValangParser cannot accept a 'null' visitor");
    this.visitor = visitor;
}

public void setDateParsersByRegexp(Map dateParsersByRegexp) {
    if (dateParsersByRegexp == null) {
        return;
    }
    for (Iterator iter = dateParsersByRegexp.keySet().iterator(); iter.hasNext();) {
        String regexp = (String)iter.next();
        Object value = dateParsersByRegexp.get(regexp);
        if (value instanceof String) {
            getVisitor().getDateParser().register(regexp, (String)value);
        } else if (value instanceof DefaultDateParser.DateModifier) {
            getVisitor().getDateParser().register(regexp, (DefaultDateParser.DateModifier)value);
        } else {
            throw new ClassCastException("Could not register instance "+ value + "] with date parser!");
        }
    }
}

public void setFunctionsByName(Map functionsByName) {
    if (functionsByName == null) {
        return;
    }
    final Map constructorMap = new HashMap();
    for (Iterator iter = functionsByName.keySet().iterator(); iter.hasNext();) {
        Object stringNameObject = iter.next();
        if (!(stringNameObject instanceof String)) {
            throw new IllegalArgumentException("Invalid function name "+ stringNameObject);
        }
        Object functionObject = functionsByName.get(stringNameObject);
        if (functionObject instanceof Function) {
            constructorMap.put(stringNameObject, (Function)functionObject);
        } else {
            throw new IllegalArgumentException("Invalid function object "+ functionObject);
        }
    }
    setFunctionsByName(constructorMap);
}
throw new IllegalArgumentException("Key for custom functions map must be a string value!");

String functionName = (String)stringNameObject;
Object functionClassObject = functionsByName.get(functionName);
if (!(functionClassNameObject instanceof String)) {
    throw new IllegalArgumentException("Value for custom function map must be a string!");
}
String functionClassName = (String)functionClassNameObject;
Class functionClass = loadClass(functionClassName);
if (!(Function.class.isAssignableFrom(functionClass))) {
    throw new IllegalArgumentException("Custom function classes must implement org.springmodules.validation.valang.functions.Function!");
}
Constructor constructor = null;
try {
    constructor = functionClass.getConstructor(new Class[]{Function[].class, int.class, int.class});
}
catch (NoSuchMethodException e) {
    throw new IllegalArgumentException("Class \\
            + functionClassName() \\
            + "] has no constructor with one org.springmodules.validation.valang.functions.Function parameter!");
}
constructorMap.put(functionName, constructor);

getVisitor().setVisitor(new ValangVisitor() {
    public Function getFunction(String name, Function[] functions, int line, int column) {
        if (constructorMap.containsKey(name)) {
            Constructor functionConstructor = (Constructor)constructorMap.get(name);
            return (Function) BeanUtils.instantiateClass(functionConstructor, new Object[]{functions,
                    new Integer(line), new Integer(column)});
        }
        return null;
    }
});

private Class loadClass(String className) {
try {
    return ClassUtils.forName(className);
} catch (ClassNotFoundException cnfe) {
    log.error("Could not load class \\
            + className + "", cnfe);
    throw new IllegalArgumentException("Could not load class \\
            + className + "");
}

private String replace(String s) {
String tmpS = s;

tmpS = StringUtils.replace(tmpS, "\\", "\"");
tmpS = StringUtils.replace(tmpS, "\n", "\n");
tmpS = StringUtils.replace(tmpS, "\r", "\r");
tmpS = StringUtils.replace(tmpS, "\t", "\t");
tmpS = StringUtils.replace(tmpS, "\b", "\b");
return tmpS;

PARSER_END(ValangParser)

SKIP :
{  
  " "
  ["\t"
   ["\n"
   ["\r"

TOKEN [IGNORE_CASE] :
{  
  < AND : "AND" >
  < OR : "OR" >
  < NOT : "NOT" >
  < BETWEEN : "BETWEEN" | "IS BETWEEN" >
  < NOT_BETWEEN: "NOT BETWEEN" | "IS NOT BETWEEN" >
  < IN : "IN" | "IS IN">  
  < NOT_IN : "NOT IN" | "IS NOT IN">  
  < IS_NULL : "IS NULL" | "NULL" >
  < IS_NOT_NULL : "IS NOT NULL" | "NOT NULL" >
  < HAS_TEXT : "HAS TEXT" >
  < HAS_NO_TEXT : "HAS NO TEXT" >
  < HAS_LENGTH : "HAS LENGTH" >
  < HAS_NO_LENGTH : "HAS NO LENGTH" >
  < IS_BLANK : "IS BLANK" >
  < IS_NOT_BLANK : "IS NOT BLANK" >
  < IS_UPPER_CASE : "IS UPPERCASE" | "IS UPPER CASE" | "IS UPPER" >
  < IS_NOT_UPPER_CASE : "IS NOT UPPERCASE" | "IS NOT UPPER CASE" | "IS NOT UPPER" >
  < IS_LOWER_CASE : "IS LOWERCASE" | "IS LOWER CASE" | "IS LOWER" >
  < IS_NOT_LOWER_CASE : "IS NOT LOWERCASE" | "IS NOT LOWER CASE" | "IS NOT LOWER" >
  < IS_WORD : "IS WORD" >
Predicate parseExpression() :
{
  Predicate predicate = null;
  Function targetBeanFunction = new TargetBeanFunction();
  
  predicate = predicates(targetBeanFunction) <EOF> { return predicate; } 
}

Collection parseValidation() :
{
  Predicate predicate = null;
  
  ...
Collection rules = new ArrayList();
String message = null;
String field = null;
String errorKey = null;
Collection errorArgs = null;
Function function = null;
Function fieldFunction = null;
}
{
{
"{"
(<FUNCTION_NAME>|<PATH>)
{
field = token.image;
fieldFunction = new BeanPropertyFunction(field);
/* MOD-26: re-initliaze error key and arguments to null for every rule.
 kudos to Cesar Ordinana for reporting this bug. */
errorKey = null;
errorArgs = new ArrayList();
}
=";"
predicate = predicates(fieldFunction)
=";"
<STRING> { message = token.image.substring(1, token.image.length() - 1); }[
=";"
<STRING> { errorKey = token.image.substring(1, token.image.length() - 1); }
[";"
(LOOKAHEAD(2)
function = function(fieldFunction) { errorArgs.add(function); }
=";"
)*
function = function(fieldFunction) { errorArgs.add(function); }
]
"
}"
)
{
/* take into account error key and error args for localization */
rules.add(new BasicValidationRule(field, predicate, errorKey, message, errorArgs));
}
)+
<EOF>
{
return rules;

Predicate not(Function fieldFunction) :
{
Predicate predicate = null;
}
{"NOT" predicate = expression(fieldFunction) { return NotPredicate.getInstance(predicate); }
}

Predicate predicates(Function fieldFunction) :
{
Predicate predicate1 = null;
Predicate predicate2 = null;
boolean andTest = false;
boolean orTest = false;
}
{"AND" predicate1 = expression(fieldFunction)
{"OR" predicate2 = expression(fieldFunction)
{
if (andTest) {
predicate1 = AndPredicate.getInstance(predicate1, predicate2);
andTest = false;
} else if (orTest) {
predicate1 = OrPredicate.getInstance(predicate1, predicate2);
orTest = false;
}
}
)*
}
{return predicate1;
}
}

Predicate expression(Function fieldFunction) :
{
Predicate predicate = null;
}
}
Predicate predicate(Function fieldFunction) :
{
    Function leftFunction = null;
    Function rightFunction1 = null;
    Function rightFunction2 = null;
    Function tmpFunction = null;
    Operator operator = null;
    boolean notBetween = false;
    boolean notIn = false;
    Collection functions = new ArrayList();
    boolean collectionProperty = false;
}
{
    (leftFunction = additiveExpr(fieldFunction)
    (operator = binaryOperator() rightFunction1 = additiveExpr(fieldFunction)
        (operator = unaryOperator() 
        (operator = binaryOperator() rightFunction1 = additiveExpr(fieldFunction)
            (operator = binaryOperator() rightFunction2 = additiveExpr(fieldFunction)

    return getVisitor().getPredicate(leftFunction, operator, rightFunction1, 0, 0);
}
|(<BETWEEN> | <NOT_BETWEEN> | notBetween = true: )
(rightFunction1 = additiveExpr(fieldFunction)
<brAND>
(rightFunction2 = additiveExpr(fieldFunction)
)
if (notBetween) {
    return getVisitor().getPredicate(leftFunction, OperatorConstants.NOT_BETWEEN_OPERATOR, new LiteralFunction(new Function[] { rightFunction1, rightFunction2 }), 0, 0);
} else {
    return getVisitor().getPredicate(leftFunction, OperatorConstants.BETWEEN_OPERATOR, new
LiteralFunction(new Function[] { rightFunction1, rightFunction2 }, 0, 0);

|
( <IN> | <NOT_IN> { notIn = true; } )
|
( LOOKAHEAD(2)
|
tmpFunction = additiveExpr(fieldFunction) { functions.add(tmpFunction); } |
|
"." |
|
tmpFunction = additiveExpr(fieldFunction) { functions.add(tmpFunction); } |
|
"@" tmpFunction = beanProperty(fieldFunction) { collectionProperty = true; } |
|
|
if (!collectionProperty) {
|
tmpFunction = new LiteralFunction(functions); |
|
if (notIn) {
|
return getVisitor().getPredicate(leftFunction, OperatorConstants.NOT_IN_OPERATOR, tmpFunction, 0, 0); |
|
} else { |
|
return getVisitor().getPredicate(leftFunction, OperatorConstants.IN_OPERATOR, tmpFunction, 0, 0); |
|
|
Function function(Function fieldFunction): |
|
|
{
|
|
|
LOOKAHEAD(2)
|
( "!" | <FUNCTION_NAME> ) |
|
{ function = token.image; line = token.beginLine; column = token.beginColumn; } |
|
"
|
leftFunction = function(fieldFunction) { functionArguments.add(leftFunction); } |
|
( |
|
".," |
leftFunction = function(fieldFunction) { functionArguments.add(leftFunction); }

""

leftFunction = getVisitor().getFunction(function, (Function[])functionArguments.toArray(new Function[functionArguments.size()]), line, column); 
leftFunction = beanPropertyOrLiteral(fieldFunction)
leftFunction = additiveExpr(fieldFunction) 
}
{return leftFunction; }
}

Function additiveExpr(Function fieldFunction) :
{
  Function leftFunction = null;
  Function rightFunction = null;
  int line = 0;
  int column = 0;
  }
  leftFunction = subtractiveExpr(fieldFunction)
  {
    <ADD> { line = token.beginLine; column = token.beginColumn; } rightFunction = subtractiveExpr(fieldFunction) { } leftFunction = new AddFunction(leftFunction, rightFunction, line, column); }
  }*

{return leftFunction; }

Function subtractiveExpr(Function fieldFunction) :
{
  Function leftFunction = null;
  Function rightFunction = null;
  int line = 0;
  int column = 0;
  }
  leftFunction = multiplicativeExpr(fieldFunction)
  {
    <SUBTRACT> { line = token.beginLine; column = token.beginColumn; } rightFunction = multiplicativeExpr(fieldFunction) { } leftFunction = new SubtractFunction(leftFunction, rightFunction, line, column); }
  }*

{return leftFunction; }
Function multiplicativeExpr(Function fieldFunction) :
{
Function leftFunction = null;
Function rightFunction = null;
int line = 0;
int column = 0;
}
{
leftFunction = function(fieldFunction)
{
<MULTIPLY> { line = token.beginLine; column = token.beginColumn; } rightFunction = function(fieldFunction) { 
leftFunction = new MultiplyFunction(leftFunction, rightFunction, line, column); }
</DIVIDE> { line = token.beginLine; column = token.beginColumn; } rightFunction = function(fieldFunction) { 
leftFunction = new DivideFunction(leftFunction, rightFunction, line, column); }
<MOD> { line = token.beginLine; column = token.beginColumn; } rightFunction = function(fieldFunction) { 
leftFunction = new ModuloFunction(leftFunction, rightFunction, line, column); }
}*
{
return leftFunction;
}
}

Function beanPropertyOrLiteral(Function fieldFunction) :
{
Function function = null;
}
{
function = literal() { return function; }
| function = beanProperty(fieldFunction) { return function; }
}
}

Function literal() :
{
{
<TURE> { return new LiteralFunction(Boolean.TRUE); }
| <FALSE> { return new LiteralFunction(Boolean.FALSE); }
| <STRING> { return new LiteralFunction(replace(token.image.substring(1, token.image.length() - 1))); }
| <NUM> { return new LiteralFunction(new BigDecimal(token.image)); }
| <DATE>{
try {
getVisitor().getDateParser().parse(token.image.substring(1, token.image.length() - 1));
} catch (DateParseException e) {
}
throw new ParseException("Could not parse date "+ token.image.substring(1, token.image.length() - 1) + "] at line "+ token.beginLine + ", column "+ token.beginColumn + ":");
}

return new DateLiteralFunction(token.image.substring(1, token.image.length() - 1), getVisitor().getDateParser(),
token.beginLine, token.beginColumn);

Function beanProperty(Function fieldFunction) :
{
Function function = null;
}

function = path() [ return function; ]

Function path() :
{
String path = null;
}

( <PATH> { path = token.image; } |
  <FUNCTION_NAME> { path = token.image; } |
)

return new BeanPropertyFunction(path);

Operator binaryOperator() :
{
Operator operator = null;
}

( <NOT_EQUAL> { operator = OperatorConstants.NOT_EQUAL_OPERATOR; } |
  <MORE_THAN_OR_EQUAL> { operator = OperatorConstants.MORE_THAN_OR_EQUAL_OPERATOR; } |
  <MORE_THAN> { operator = OperatorConstants.MORE_THAN_OPERATOR; } |
  <LESS_THAN_OR_EQUAL> { operator = OperatorConstants.LESS_THAN_OR_EQUAL_OPERATOR; } |
  <LESS_THAN> { operator = OperatorConstants.LESS_THAN_OPERATOR; } |
  <EQUALS> { operator = OperatorConstants.EQUALS_OPERATOR; } |
)

return operator;
Operator unaryOperator() :
{
    Operator operator = null;
}
{
    <IS_NULL> { operator = OperatorConstants.NULL_OPERATOR; }
    | <IS_NOT_NULL> { operator = OperatorConstants.NOT_NULL_OPERATOR; }
    | <HAS_TEXT>    { operator = OperatorConstants.HAS_TEXT_OPERATOR; }
    | <HAS_NO_TEXT> { operator = OperatorConstants.HAS_NO_TEXT_OPERATOR; }
    | <HAS_LENGTH>   { operator = OperatorConstants.HAS_LENGTH_OPERATOR; }
    | <HAS_NO_LENGTH> { operator = OperatorConstants.HAS_NO_LENGTH_OPERATOR; }
    | <IS_BLANK>    { operator = OperatorConstants.IS_BLANK_OPERATOR; }
    | <IS_NOT_BLANK> { operator = OperatorConstants.IS_NOT_BLANK_OPERATOR; }
    | <IS_WORD>     { operator = OperatorConstants.IS_WORD_OPERATOR; }
    | <IS_NOT_WORD> { operator = OperatorConstants.IS_NOT_WORD_OPERATOR; }
    | <IS_UPPER_CASE> { operator = OperatorConstants.IS_UPPER_CASE_OPERATOR; }
    | <IS_NOT_UPPER_CASE> { operator = OperatorConstants.IS_NOT_UPPER_CASE_OPERATOR; }
    | <IS_LOWER_CASE> { operator = OperatorConstants.IS_LOWER_CASE_OPERATOR; }
    | <IS_NOT_LOWER_CASE> { operator = OperatorConstants.IS_NOT_LOWER_CASE_OPERATOR; }
}
return operator;
}

Found in path(s):
* /opt/cola/permits/1263968654_1647276504.860/spring-modules-validation-jar/org/springmodules/validation/valang/parser/valang.jj

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Eclipse

The following artifacts are EPL.
* org.eclipse.jetty.orbit:org.eclipse.jdt.core

The following artifacts are EPL and ASL2.
* org.eclipse.jetty.orbit:javax.security.auth.message

The following artifacts are EPL and CDDL 1.0.
* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html
org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

The following artifacts are ASL2 licensed.

org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

The following artifacts are ASL2 licensed. Based on selected classes from following Apache Tomcat jars, all ASL2 licensed.

org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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Mortbay

The following artifacts are CDDL + GPLv2 with classpath exception.

https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

org.eclipse.jetty.toolchain:jetty-schemas

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Assorted

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1.1909 xom 1.1

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1.1910 libffi 3.0.13 16.el7

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1.1911 jackson-dataformat-yaml 2.11.2

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# Jackson JSON processor

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* /opt/cola/permissions/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources.jar/org/springframework/beans/factory/support/SimpleBeanDefinitionRegistry.java
* /opt/cola/permissions/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources.jar/org/springframework/beans/factory/config/BeanExpressionResolver.java
* /opt/cola/permissions/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources.jar/org/springframework/beans/factory/config/DestructionAwareBeanPostProcessor.java
* /opt/cola/permissions/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources.jar/org/springframework/beans/factory/config/BeanExpressionResolver.java
* /opt/cola/permissions/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources.jar/org/springframework/beans/BeansException.java

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* /opt/cola/permits/1112506337_1607104100.040/spring-beans-3-1-4-release-sources-
jar/org/springframework/beans/factory/propertyeditors/StringArrayPropertyEditor.java
* /opt/cola/permits/1112506337_1607104100.040/spring-beans-3-1-4-release-sources-
jar/org/springframework/beans/factory/propertyeditors/CurrencyEditor.java
* /opt/cola/permits/1112506337_1607104100.040/spring-beans-3-1-4-release-sources-
jar/org/springframework/beans/factory/propertyeditors/URLEditor.java
* /opt/cola/permits/1112506337_1607104100.040/spring-beans-3-1-4-release-sources-
jar/org/springframework/beans/factory/propertyeditors/PlaceholderConfigurerSupport.java
* /opt/cola/permits/1112506337_1607104100.040/spring-beans-3-1-4-release-sources-
jar/org/springframework/beans/factory/propertyeditors/Mergeable.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/factory/annotation/Qualifier.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/factory/BeanClassLoaderAware.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/BeanWrapper.java
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* /opt/ cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/BeanWrapperImpl.java
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* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/factory/config/BeanDefinition.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/factory/xml/XmlBeanDefinitionParser.java
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* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/factory/xml/PropertyPlaceholderConfigurer.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/support/ResourceEditorRegistrar.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/factory/xml/ResourceEditorRegistrar.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/factory/config/InstantiationAwareBeanPostProcessor.java
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* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/factory/config/BeanDefinitionParser.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/factory/annotation/Autowired.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-jar/org/springframework/beans/factory/annotation/RequiredAnnotationBeanPostProcessor.java

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  jar/org/springframework/beans/factory/support/SecurityContextProvider.java
* /opt/cola/permits/1112506337_1607104100.04/0/spring-beans-3-1-4-release-sources-
  jar/org/springframework/beans/factory/support/SimpleSecurityContextProvider.java

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 *
 * This header file is used only when the dialect has no POSIX-conformant
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 *
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 *
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  jar/com/google/common/graph/IncidentEdgeSet.java
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  jar/com/google/common/graph/AbstractBaseGraph.java
 * /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/util/concurrent/ClosingFuture.java
 * /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/graph/Traverser.java
 * /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/graph/AbstractBaseGraph.java
 * /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/util/concurrent/ClosingFuture.java
 * /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/graph/ObjectCountLinkedHashMap.java
 * /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/graph/ObjectCountHashMap.java
 * /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/graph/BaseGraph.java

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  jar/com/google/common/util/concurrent/TimeoutFuture.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/util/concurrent/AbstractCatchingFuture.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/util/concurrent/GwtFluentFutureCatchingSpecialization.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/util/concurrent/ImmediateFuture.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/annotations/VisibleForTesting.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/util/concurrent/UncheckedTimeoutException.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/util/concurrent/CollectionFuture.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/escape/CharEscaperBuilder.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/io/AppendableWriter.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/util/concurrent/AggregateFuture.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/util/concurrent/FuturesGetChecked.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/base/CaseFormat.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/util/concurrent/Futures.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/util/concurrent/AbstractTransformFuture.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/util/concurrent/GwtFuturesCatchingSpecialization.java
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* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1.jar/com/google/common/collect/ForwardingSetMultimap.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1.jar/com/google/common/collect/MinMaxPriorityQueue.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1.jar/com/google/common/collect/ForwardingListMultimap.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1.jar/com/google/common/collect/RowSortedTable.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1.jar/com/google/common/collect/SortedMapDifference.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1.jar/com/google/common/collect/AbstractSequentialIterator.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1.jar/com/google/common/collect/UnmodifiableListIterator.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1.jar/com/google/common/collect/ForwardingImmutableCollection.java
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 */

/*
 * This following method is a modified version of one found in
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  jar/com/google/common/util/concurrent/CombinedFuture.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/hash/FarmHashFingerprint64.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/util/concurrent/AsyncCallable.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/collect/ConsumingQueueIterator.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/hash/MacHashFunction.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/util/concurrent/AggregateFutureState.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/hash/LittleEndianByteArray.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/io/ReaderInputStream.java

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*/
/**
* Holder for extra methods of {@code Objects} only in web. Intended to be empty for regular
* version.
*/

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  jar/com/google/common/net/HttpHeaders.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/hash/PrimitiveSink.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/util/concurrent/Uninterruptibles.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/base/Absent.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/base/Optional.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/cache/RemovalCause.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/math/DoubleMath.java
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* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/UncaughtExceptionHandlers.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/ForwardingBlockingQueue.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/collect/SortedLists.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/collect/ContiguousSet.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/base/Ascii.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/ThreadFactoryBuilder.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/collect/Equivalence.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/base/Strings.java

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  jar/com/google/common/primitives/ImmutableLongArray.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/util/concurrent/ForwardingLock.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/hash/AbstractHashFunction.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/util/concurrent/ForwardingCondition.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/primitives/ImmutableDoubleArray.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/primitives/ImmutableIntArray.java
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* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/math/BigDecimalMath.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/hash/Java8Compatibility.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/math/ToDoubleRounder.java

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* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/graph/PredecessorsFunction.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/graph/PredecessorsFunction.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/graph/PredecessorsFunction.java
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/**

* Holder for web specializations of methods of { @code Doubles}. Intended to be empty for regular
* version.
*/

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* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/cache/LongAdder.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/cache/Striped64.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/hash/Striped64.java
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%/opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
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/**
* Outer class that exists solely to let us write { @code Partially.GwtIncompatible } instead of plain
* { @code GwtIncompatible }. This is more accurate for { @link Futures#catching }, which is available
* under GWT but with a slightly different signature.
*
* <p>We can't use { @code PartiallyGwtIncompatible } because then the GWT compiler wouldn't recognize
* it as a { @code GwtIncompatible } annotation. And for { @code Futures.catching }, we need the GWT
* compiler to autostrip the normal server method in order to expose the special, inherited GWT
* version.
Found in path(s):
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-.jar/com/google/common/util/concurrent/Partially.java
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* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1.jar/com/google/common/base/CommonPattern.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1.jar/com/google/common/base/JdkPattern.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1.jar/com/google/common/base/PatternCompiler.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1.jar/com/google/common/base/CommonMatcher.java
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 * the License.
 */
* Holder for web specializations of methods of `@code Floats`. Intended to be empty for regular
* version.
*/

Found in path(s):
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/primitives/FloatsMethodsForWeb.java
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 */

/*
 * This method was rewritten in Java from an intermediate step of the Murmur hash function in
 * http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
 * following header:
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 */

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* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/collect/Hashing.java
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*/

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* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1.jar/com/google/common/hash/ImmutableSupplier.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/ExecutionSequencer.java
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* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1.jar/com/google/common/collection/Sets.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1.jar/com/google/common/collection/LinkedHashMultimap.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1.jar/com/google/common/collection/ForwardingCollection.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1.jar/com/google/common/collection/ForwardingObject.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1.jar/com/google/common/collection/package-info.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1.jar/com/google/common/collection/AbstractSetMultimap.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1.jar/com/google/common/collection/BitMap.java
* /opt/ cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1.jar/com/google/common/collection/ForwardingMultimap.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1.jar/com/google/common/collection/SetMultimap.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/CompoundOrdering.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/SingletonImmutableSet.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/AbstractListMultimap.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/Multiset.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/LexicographicalOrdering.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/ArrayListMultimap.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/ForwardingSortedMap.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/Lists.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/NullsFirstOrdering.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/Iterators.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/ByFunctionOrdering.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/Maps.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/ExplicitOrdering.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/ConcurrentHashMultiset.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/ForwardingSortedSet.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/HashMultimap.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/MapDifference.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/EnumBiMap.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/UsingToStringOrdering.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/Ordering.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/ForwardingMultiset.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/Interner.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/Synchronized.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collection/ClassToInstanceMap.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collection/ComparatorOrdering.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collection/ForwardingMap.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collection/HashMultiset.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collection/ForwardingMapEntry.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collection/NullsLastOrdering.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collection/ForwardingList.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collection/RegularImmutableSet.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collection/ForwardingSet.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
jar/com/google/common/collection/ListMultimap.java

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*/
/**

* Holder for web specializations of methods of [@code Ints]. Intended to be empty for regular
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*/

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* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/collection/BaseImmutableMultimap.java

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* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/package-info.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/ListenableFuture.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/io/LineReader.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/io/CharStreams.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/base/Defaulters.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/base/Predicate.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/base/AbstractIterator.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/eventbus/AllowConcurrentEvents.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/io/MultiInputStream.java
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* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/eventbus/DeadEvent.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/eventbus/package-info.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/base/FinalizablePhantomReference.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/base/FinalizableReferenceQueue.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/primitives/Primitives.java

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 */

/**
 * Returns an array containing all of the elements in the specified collection. This method
 * returns the elements in the order they are returned by the collection's iterator. The returned
 * array is "safe" in that no references to it are maintained by the collection. The caller is
 * thus free to modify the returned array.
 *
 * <p>This method assumes that the collection size doesn't change while the method is running.
 *
 * <p>TODO(kevinb): support concurrently modified collections?
 *
 * @param c the collection for which to return an array of elements
 */

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* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1.jar/com/google/common/collection/ObjectArrays.java

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This method was rewritten in Java from an intermediate step of the Murmur hash function in
http://code.google.com/p/smhasher/source/browse/trunk/MurmurHash3.cpp, which contained the
following header:

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 * limitations under the License.
 */
/**
 * Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable}
 * key.</b> Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy
 * version.
 * @throws UnsupportedOperationException always
 * @deprecated <b>Pass a key of type {@code Comparable} to use {@link
 * ImmutableSortedMap#of(Comparable, Object)}</b>
 */

Found in path(s):
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/collection/ImmutableSortedMapFauxverideShim.java
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* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/collect/Cut.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/escape/ArrayBasedEscaperMap.java
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* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/collect/CacheBuilder.java
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* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/ForwardingFuture.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/ForwardingFuture.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/ForwardingFuture.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/ForwardingFuture.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/ForwardingFuture.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/ForwardingFuture.java

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 * As of 2010/06/11, this method is identical to the (package private) hash method in OpenJDK 7's
 * java.util.HashMap class.
 */

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* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
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  jar/com/google/common/reflect/Reflection.java
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** * version.
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* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
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  jar/com/google/common/base/StandardSystemProperty.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/math/Stats.java
* /opt/cola/permits/1125300210_1615713995.83/0/guava-30-1-android-sources-1-
  jar/com/google/common/hash/AbstractByteHasher.java
1.1943 hsql-db 2.4.1

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  * /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4-jar/org/hsqldb/util/preprocessor/Token.java
  * /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4-jar/org/hsqldb/util/preprocessor/AntResolver.java
  * /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4-jar/org/hsqldb/util/preprocessor/PreprocessorException.java
  * /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4-jar/org/hsqldb/util/preprocessor/PreprocessorAntTask.java
  * /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4-jar/org/hsqldb/util/preprocessor/BasicResolver.java
  * /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4-jar/org/hsqldb/util/preprocessor/LineType.java
  * /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4-jar/org/hsqldb/util/preprocessor/Preprocessor.java
  * /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4-jar/org/hsqldb/util/preprocessor/Document.java
  * /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4-jar/org/hsqldb/util/preprocessor/PreprocessorAntTask.java
  * /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4-jar/org/hsqldb/util/preprocessor/Option.java
  * /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4-jar/org/hsqldb/util/preprocessor/IResolver.java
  * /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4-jar/org/hsqldb/util/preprocessor/Tokenizer.java
  * /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4-jar/org/hsqldb/util/preprocessor/Defines.java

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/* These are commands which may contain nested commands and/or which
 * require the closing semicolon to send to the DB engine.
 * The BEGIN and DECLARE needed for PL/SQL probably do not need to
 * terminate the line, as we have it specified here, but I'd rather not be
 * too liberal with proprietary SQL like this, because it's easy to
 * envision other proprietary or non-proprietary commands beginning with
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* /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4-jar/org/hsqldb/cmdline/sqltool/SqlFileScanner.java

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* /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4.jar/org/hsqldb/util/DatabaseManagerCommon.java
* /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4.jar/org/hsqldb/lib/StringConverter.java
* /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4.jar/org/hsqldb/index/IndexAVL.java
* /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4.jar/org/hsqldb/index/NodeAVL.java
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* /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4.jar/org/hsqldb/Like.java
* /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4.jar/org/hsqldb/server/Servlet.java
* /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4.jar/org/hsqldb/index/NodeAVLDisk.java
* /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4.jar/org/hsqldb/util/SQLStatements.java
* /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4.jar/org/hsqldb/util/Tree.java
* /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4.jar/org/hsqldb/util/CodeSwitcher.java
* /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4.jar/org/hsqldb/RowsAVLDisk.java
* /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4.jar/org/hsqldb/sample/FindFile.java
* /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4.jar/org/hsqldb/server/RowAVL.java
* /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4.jar/org/hsqldb/server/TransferTable.java
* /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4.jar/org/hsqldb/index/IndexAVLMemory.java
* /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4.jar/org/hsqldb/util/TransferCommon.java
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`q` to Quit.
```
?    lists Special Commands.
.:?  lists Edit-Buffer/History commands.
*?   lists PL commands.
/??  displays help on how to set and use macros (incl. functions).
```

SPECIAL Commands begin with `\` and execute when you hit ENTER.
EDIT-BUFFER / HISTORY Commands begin with `:` and execute when you hit ENTER.
PROCEDURAL LANGUAGE commands begin with `*` and end when you hit ENTER.
MACRO executions and definitions begin with `/` and end when you hit ENTER.
All other lines comprise SQL Statements (or comments).
SQL Statements are terminated by either unquoted `;` (which executes the
statement), or a blank line (which moves the statement into the edit buffer
without executing).
After turning on variable expansion with command `"*"` (or any other PL
command), PL variables may be used in most commands like so: `*[PLVARNANE]`.
Be aware when using regular expressions on commands, that the regexes operate only on the command text after the * or \ prefix, if any.

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* /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4-jar/org/hsqldb/sample/TriggerSample.java
* /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4-jar/org/hsqldb/util/HsqldbTransferHelper.java
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* /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4-jar/org/hsqldb/persist/TextCache.java
* /opt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4-jar/org/hsqldb/persist/Crypto.java
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 */
Comprehensive information about the database as a whole.

This interface is implemented by driver vendors to let users know the capabilities of a Database Management System (DBMS) in combination with the driver based on JDBC technology ("JDBC driver") that is used with it. Different relational DBMSs often support different features, implement features in different ways, and use different data types. In addition, a driver may implement a feature on top of what the DBMS offers. Information returned by methods in this interface applies to the capabilities of a particular driver and a particular DBMS working together. Note that as used in this documentation, the term "database" is used generically to refer to both the driver and DBMS.

A user for this interface is commonly a tool that needs to discover how to deal with the underlying DBMS. This is especially true for applications that are intended to be used with more than one DBMS. For example, a tool might use the method <code>getTypeInfo</code> to find out what data types can be used in a <code>CREATE TABLE</code> statement. Or a user might call the method <code>supportsCorrelatedSubqueries</code> to see if it is possible to use a correlated subquery or <code>supportsBatchUpdates</code> to see if it is possible to use batch updates.

Some <code>DatabaseMetaData</code> methods return lists of information in the form of <code>ResultSet</code> objects.

Regular <code>ResultSet</code> methods, such as <code>getString</code> and <code>getInt</code>, can be used...
* to retrieve the data from these `<code>ResultSet</code>` objects. If
* a given form of metadata is not available, an empty `<code>ResultSet</code>`
* will be returned. Additional columns beyond the columns defined to be
* returned by the `<code>ResultSet</code>` object for a given method
* can be defined by the JDBC driver vendor and must be accessed
* by their `<B>column label</B>`.
* <p>
* Some `<code>DatabaseMetaData</code>` methods take arguments that are
* String patterns. These arguments all have names such as fooPattern.
* Within a pattern String, "%" means match any substring of 0 or more
* characters, and "_" means match any one character. Only metadata
* entries matching the search pattern are returned. If a search pattern
* argument is set to `<code>null</code>`, that argument's criterion will
* be dropped from the search.
* <p>
* A method that gets information about a feature that the driver does not
* support will throw an `<code>SQLException</code>`.
* In the case of methods that return a `<code>ResultSet</code>`
* object, either a `<code>ResultSet</code>` object (which may be empty) is
* returned or an `<code>SQLException</code>` is thrown.
* 
* <!-- start release-specific documentation -->
* <div class="ReleaseSpecificDocumentation">
* <h3>HSQLDB-Specific Information:</h3>
* 
* <h4>Metadata Table Production</h4>
* 
* Starting with HSQLDB 1.7.2, the metadata table (a.k.a system table) production
* implementation provided in the default build filters metadata based on each
* SQL session user's access rights which in turn lifts the pre-HSQLDB 1.7.2
* restriction that only users with the DBA role
* ('admin' users in older HSQLDB parlance) could expect trouble-free access to
* all metadata.<p>
* 
* Also starting with HSQLDB 1.7.2, the metadata table production implementation
* classes are loaded dynamically, using a precedence policy to find and load
* the richest producer available at runtime. In the event that no better
* alternative is found, the default minimal (completely restricted) provider
* is selected. Under this scheme, it is possible for third party packagers to
* create custom distributions targeted at supporting full (design-time),
* custom-written (proprietary / micro environment), minimal (production-time)
* or completely-restricted (space-constrained | device embedded | real-time |
* hostile environment) metadata table production scenarios. To learn more
* about this option, interested parties can review the documentation and source
* code for the `<code>org.hsqldb.dbinfo.DatabaseInformation class</code>`.<p>
* 
* Please also note that in addition to the metadata tables produced to
* directly support this class, starting with HSQLDB 1.7.2, the default build
* provides many additional tables covering all or most HSQLDB features, such
* as descriptions of the triggers and aliases defined in the database. <p>
*  
* For instance, in the default build, a fairly comprehensive description of
* each INFORMATION_SCHEMA table and each INFORMATION_SCHEMA table
* column is included in the REMARKS column of the \{@link #getTables(
* java.lang.String, java.lang.String, java.lang.String, java.lang.String[])
* getTables(...)} and \{@link #getColumns(java.lang.String, java.lang.String,
* java.lang.String, java.lang.String) getColumns(...)} results, which derive
* from INFORMATION_SCHEMA.SYSTEM_TABLES and INFORMATION_SCHEMA.SYSTEM_COLUMNS,
* respectively. <p>
*  
* Since HSQLDB 2.0 the INFORMATION_SCHEMA views have been vastly expanded
* in compliance with the SQL:2011 Standard and report the properties of all
* database objects. <p>
  
* <h4>Schema Metadata</h4>

*  
* The SQL SCHEMA concept became fully supported in the HSQLDB 1.8.x series and
* this fact is reflected in the all subsequent versions of this class.
*  
* <h4>Catalog Metadata</h4>

*  
* Starting with HSQLDB 2.0, SQL standards compliance up to SQL:2008 and beyond
* is a major theme which is reflected in the provision of the majority of the
* standard-defined full-name INFORMATION_SCHEMA views. <p>

* However, just as CATALOG semantics and handling are still considered to be
* implementation defined by the most recent SQL standard (SQL:2008), so is the
* HSQLDB CATALOG concept still in the process of being defined and refined in
* HSQLDB 2.x. and beyond. <p>

* Previous to HSQLDB 2.x, there were, at various points in time, experimental
* features provided to turn on pseudo catalog (and before that, pseudo-schema)
* reporting in the system tables, using the database properties
* 'hsqldb.catalogs' and 'hsqldb.schemas', respectively. <p>

* However, once the engine fully supported the SQL SCHEMA concept, the
* experimental 'hsqldb.schemas' database property was retired. <p>

* Similarly, starting with HSQLDB 2.x, the 'hsqldb.catalogs' database property
* has been retired and replaced with the convention that, from the perspective
* of SQL identification, an HSQLDB JDBC URL connects to a single HSQLDB
* database instance which consists of a single, default CATALOG
* named PUBLIC in which each SCHEMA instance of the database resides. The name of
* this catalog can be changed with the ALTER CATALOG &lt;name&gt; RENAME TO statement.
* As of version 2.1.0, HSQLDB supports qualification by the containing CATALOG of
* database objects at the syntactic level, but does not yet support operations
such as opening, manipulating or querying against multiple database catalogs within a single session, not even in a one-at-a-time fashion.

* <h4>Index Metadata</h4>

* It must still be noted that as of the most recent release, HSQLDB continues to ignore the <code>approximate</code> argument of <code>getIndexInfo</code> as no data is returned for CARDINALITY and PAGES columnns.

* <h4>Notes for developers extending metadata table production</h4>

* Note that in the absence of an ORDER BY clause, queries against the metadata tables that directly support this class are expected to return rows in JDBC contract order. The reason for this is that results typically come back much faster when no "ORDER BY" clause is used. <p>

* As such, when adding, extending or replacing a JDBC database metadata table production routine, developers need to be aware of this fact and either add the contract "ORDER BY" clause to the driving SQL or, when possible, preferably maintain rows in the contract order by correctly coding the primary index definition in the table producer class.

* <hr>

* (fredt@users)<br>
* (campbell-burnet@users)

* <!-- end release-specific documentation -->

* @author Campbell Burnet (campbell-burnet@users dot sourceforge.net)
* @author Fred Toussi (fredt@users dot sourceforge.net)
* @version 2.5.0
* @since HSQLDB 1.9.0
* @see org.hsqldb.dbinfo.DatabaseInformation
*/

---

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*/
/**
 * provides cross-package access to the proprietary (i.e. non-JDBC)
 * HSQLDB session interface. <P>
 *
 * @return the underlying sessionProxy for this connection
 */

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*/lopt/cola/permits/1136647910_1613845937.28/0/hsqldb-2-5-0-sources-4-jar/org/hsqldb/jdbc/JDBCConnection.java

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1.1949 libproxy 0.4.11 10.el7
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1.1955 atk 2.28.1-1.el7

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1.1956 krb5-conf 1.0-r2

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    cmd/krb5/kproplog/kproplog.c
    cmd/krb5/slave/kpropd_rpc.c
    lib/gss_mechs/mech_krb5_server/kdb5_err.c
    lib/gss_mechs/mech_spnego/mach/gssapiP_spnego.h
    lib/gss_mechs/mech_spnego/mach/spnego_mach.c
    lib/krb5/kadm5/kadm_host_srv_names.c
    lib/krb5/kdb/kdb_convert.c
    lib/krb5/kdb/kdb_hdr.h
    lib/krb5/kdb/kdb_log.c
    lib/krb5/kdb/kdb_log.h
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lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
lib/gssapi/mechglue/g_verify.c
lib/gssapi/mechglue/gssd_pname_to_uid.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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@c ispell-local-pdict: "ispell-dict"
@c End:

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Version 2.1, February 1999

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</product>
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 * $Revision: 1.2 $
 * $Date: 2003/04/06 20:37:31 $
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JUnit

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inbot-utils (https://github.com/Inbot/inbot-utils)

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- jsp_2_2.xsd
- web-app_3_0.xsd
- web-common_3_0.xsd
- web-fragment_3_0.xsd
- javaee_7.xsd
- javaee_web_services_1_4.xsd
- javaee_web_services_client_1_4.xsd
- jsp_2_3.xsd
- web-app_3_1.xsd
- web-common_3_1.xsd
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- javaee_6.xsd
- javaee_web_services_1_3.xsd
- javaee_web_services_client_1_3.xsd
- web-app_3.0.xsd
- web-common_3.0.xsd
- web-fragment_3.0.xsd

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Authors/contributors include:

A. Wilcox
Ada Worcester
Alex Dowad
Alex Suykov
Alexander Monakov
Andre McCurdy
Andrew Kelley
Anthony G. Basile
Aric Belsito
Arvid Picciani
Bartosz Brachaczek
Benjamin Peterson
Bobby Bingham
Boris Brezillon  
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Fangrui Song  
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M Farkas-Dyck (Strake)  
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cmd/krb5/iprop/iprop_hdr.h
```
```cmd/krb5/kadmin/server/ipropd_svc.c
```
cmd/krb5/kproplog/kproplog.c
```
cmd/krb5/slave/kpropd_rpc.c
```
lib/gss_mechs/mech_krb5/et/kdb5_err.c
```
lib/gss_mechs/mech_spnego/mech/gssapiP_spnego.h
```
lib/gss_mechs/mech_spnego/mech/spnego_mech.c
```
lib/krb5/kadm5/kadm_host_srv_names.c
```
lib/krb5/kdb/kdb_convert.c
```
lib/krb5/kdb/kdb_hdr.h
```
lib/krb5/kdb/kdb_log.c
```
lib/krb5/kdb/kdb_log.h
```
lib/libgss/g_accept_sec_context.c
```
lib/libgss/g_acquire_cred.c
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lib/libgss/g_canon_name.c
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lib/libgss/g_compare_name.c
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lib/libgss/g_context_time.c
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lib/libgss/g_delete_sec_context.c
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lib/libgss/g_dsp_name.c
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lib/libgss/g_dsp_status.c
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lib/libgss/g_dup_name.c
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lib/libgss/g_exp_sec_context.c
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lib/libgss/g_export_name.c
```
lib/libgss/g_glue.c
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lib/libgss/g_imp_name.c
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lib/libgss/g_imp_sec_context.c
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lib/libgss/g_init_sec_context.c
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lib/libgss/g_initialize.c
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lib/libgss/g_inquire_context.c
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lib/libgss/g_inquire_cred.c
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lib/libgss/g_inquire_names.c
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lib/libgss/g_process_context.c
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lib/libgss/g_rel_buffer.c
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lib/libgss/g_rel_cred.c
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lib/libgss/g_rel_name.c
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lib/libgss/g_rel_oid_set.c
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lib/libgss/g_seal.c
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lib/libgss/g_sign.c
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lib/libgss/g_store_cred.c
lib/libgss/g_unseal.c
lib/libgss/g_userok.c
lib/libgss/g_utils.c
lib/libgss/g_verify.c
lib/libgss/gssd_pname_to_uid.c
uts/common/gssapi/include/gssapi_err_generic.h
uts/common/gssapi/include/mechglueP.h

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The implementations of GSSAPI mechglue in GSSAPI-SPNEGO in "src/lib/gssapi", including the following files:

lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
lib/gssapi/mechglue/g_export_name.c
lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
lib/gssapi/mechglue/g_init_sec_context.c
lib/gssapi/mechglue/g_inititalize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
lib/gssapi/mechglue/g_rel_buffer.c
lib/gssapi/mechglue/g_rel_cred.c
lib/gssapi/mechglue/g_rel_name.c
lib/gssapi/mechglue/g_rel_oid_set.c
lib/gssapi/mechglue/g_seal.c
lib/gssapi/mechglue/g_sign.c
lib/gssapi/mechglue/g_store_cred.c
lib/gssapi/mechglue/g_unseal.c
lib/gssapi/mechglue/g_userok.c
lib/gssapi/mechglue/g_utils.c
and the initial implementation of incremental propagation, including the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
kprop/kpropd_rpc.c
kprop/kproplog.c

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package io.swagger.annotations;

import java.lang.annotation.ElementType;
import java.lang.annotation.Retention;
import java.lang.annotation.RetentionPolicy;
import java.lang.annotation.Target;

/**
 * License metadata available within the info section of a Swagger definition, see
 * https://github.com/OAI/OpenAPI-Specification/blob/master/versions/2.0.md#licenseObject
 * @since 1.5.0
 */

@Target(ElementType.ANNOTATION_TYPE)
@Retention(RetentionPolicy.RUNTIME)
public @interface License {

/**
 * The name of the license.
 * @return the name of the license
 */
String name();

/**
 * An optional URL for the license.
 * @return an optional URL for the license.
 */
String url() default "";

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FYI: Brian also added: "A bit of history might be in order. The codec classes that you used originally were based on some classes included with JAI but not strictly part of JAI. As of Java SE 1.4 an official Image I/O framework was added in javax.imageio.... This framework supports these formats:

Java 1.4: GIF (read only), JPEG, PNG
Java 1.5: Added support for BMP and WBMP
Java 1.6: Added support for writing GIF

The JAI Image I/O Tools packages (jai-imageio-core) were created to support formats handled by JAI but not included in Java SE as well as some new things like JPEG2000."

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Tinder
========

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About
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[Tinder] is a Java based XMPP library, providing an implementation for XMPP stanzas and components. Tinders origins lie in code that's shared between Jive Software's [Openfire] and Whack implementations. The implementation that's provided in Tinder hasn't been written again from scratch. Instead, code has been moved from the original projects into Tinder, preserving all of the existing features and functionality. Most of the code that's now in Tinder is based on the org.xmpp package implementation that previously existed in Openfire and Whack. This is the code that defines classes such as Packet, JID, IQ, Component and their extensions. Additionally, some multi-purpose code (such as the DataForm and Result Set Management implementations) have been moved to Tinder as well.

Resources
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- Project homepage : https://www.igniterealtime.org/projects/tinder/
- Bug Tracker: http://issues.igniterealtime.org/browse/TINDER
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===============

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1.1990 jakarta-validation-api 2.0.2
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1.2006 hostname 3.13

1.2007 jackson-databind 2.10.5.1

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1.2008 libndp 1.2 7.el7

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1.2009 pcre 8.42-r2

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6. As an exception to the Sections above, you may also combine or
link a "work that uses the Library" with the Library to produce a
work containing portions of the Library, and distribute that work
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modification of the work for the customer's own use and reverse
engineering for debugging such modifications.

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directing the user to the copy of this License. Also, you must do one
of these things:

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b) Use a suitable shared library mechanism for linking with the Library. A suitable mechanism is one that (1) uses at run time a copy of the library already present on the user's computer system, rather than copying library functions into the executable, and (2) will operate properly with a modified version of the library, if the user installs one, as long as the modified version is interface-compatible with the version that the work was made with.

c) Accompany the work with a written offer, valid for at least three years, to give the same user the materials specified in Subsection 6a, above, for a charge no more than the cost of performing this distribution.

d) If distribution of the work is made by offering access to copy from a designated place, offer equivalent access to copy the above specified materials from the same place.

e) Verify that the user has already received a copy of these materials or that you have already sent this user a copy.

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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collection/AbstractSetMultimap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collection/ByFunctionOrdering.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collection/ReverseOrdering.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collection/AbstractMapBasedMultimap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collection/ListMultimap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collection/Lists.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collection/RegularImmutableSet.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collection/Iterables.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collection/ForwardingMapEntry.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collection/Sets.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collection/Interner.java

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jar/com/google/common/io/Java8Compatibility.java
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  * /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/hash/MacHashFunction.java
  * /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/util/concurrent/CombinedFuture.java

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/**
 * Holder for web specializations of methods of { @code Shorts }. Intended to be empty for regular
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 */

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/**
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/io/CharSequenceReader.java
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jar/com/google/common/collect/FilteredMultimapValues.java
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jar/com/google/common/eventbus/SubscriberExceptionContext.java
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jar/com/google/common/util/concurrent/WrappingScheduledExecutorService.java
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jar/com/google/common/hash/HashingInputStream.java

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  * /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1.jar/com/google/common/collection/SingletonImmutableTable.java
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collect/CollectSpliterators.java

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 * As of 2010/06/11, this method is identical to the (package private) hash method in OpenJDK 7's
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jar/com/google/common/base/PatternCompiler.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/base/CommonPattern.java
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jar/com/google/common/util/concurrent/Service.java
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* Holder for web specializations of methods of { @code Ints}. Intended to be empty for regular
* version.
*/

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  jar/com/google/common/collect/StandardRowSortedTable.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/collect/ImmutableMapValues.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/collect/RegularImmutableMap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/collect/EmptyImmutableListMultimap.java

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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/util/concurrent/ClosingFuture.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/graph/BaseGraph.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/graph/Traverser.java
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/CompactLinkedHashMap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/FilteredKeySetMultimap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/DescendingMultiset.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/FilteredMultimap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/RangeMap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ForwardingDeque.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/TreeRangeMap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ForwardingNavigableSet.java
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/FilteredEntrySetMultimap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/SortedMultisetBridge.java
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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/EvictingQueue.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/FilteredKeyListMultimap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/AbstractNavigableMap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/FilteredSetMultimap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/TreeTraverser.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/FilteredEntryMultimap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/AllEqualOrdering.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/DescendingImmutableSortedSet.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/util/concurrent/ForwardingBlockingDeque.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collect/CompactHashSet.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collect/CompactHashMap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collect/ForwardingBlockingDeque.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collect/ForwardingImmutableList.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collect/AbstractMultimap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collect/ImmutableEnumMap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collect/ForwardingImmutableMap.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collect/RegularImmutableAsList.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collect/CompactLinkedHashSet.java
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jar/com/google/common/collect/TransformedListIterator.java

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jar/com/google/common/escape/CharEscaperBuilder.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/util/concurrent/FuturesGetChecked.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/util/concurrent/TimeoutFuture.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/util/concurrent/SimpleTimeLimiter.java
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  */
/**
 * Outer class that exists solely to let us write {@code Partially.GwtIncompatible} instead of plain
 * [@code GwtIncompatible]. This is more accurate for [@link Futures#catching], which is available
 * under GWT but with a slightly different signature.
 * <p>We can't use {@code PartiallyGwtIncompatible} because then the GWT compiler wouldn't recognize
 * it as a {@code GwtIncompatible} annotation. And for {@link Futures.catching}, we need the GWT
 * compiler to autostrip the normal server method in order to expose the special, inherited GWT
 * version.
 */

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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/util/concurrent/Partially.java
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  jar/com/google/common/collect/FluentIterable.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/primitives/Floats.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/util/concurrent/SequentialExecutor.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/thirdparty/publicsuffix/TrieParser.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/primitives/Ints.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
  jar/com/google/common/io/MultiReader.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
/**
 * Returns an array containing all of the elements in the specified collection. This method
 * returns the elements in the order they are returned by the collection's iterator. The returned
 * array is “safe” in that no references to it are maintained by the collection. The caller is
 * thus free to modify the returned array.
 *
 * <p>This method assumes that the collection size doesn't change while the method is running.
 *
 * <p>TODO(kevinb): support concurrently modified collections?
 *
 * @param c the collection for which to return an array of elements
 */

Found in path(s):
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collection/ObjectArrays.java

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 */

/**
 * Not supported. <b>You are attempting to create a map that may contain a non-{@code Comparable}</b>
 * key.</b> Proper calls will resolve to the version in {@code ImmutableSortedMap}, not this dummy
 * version.
 *
 * @throws UnsupportedOperationException always
 *
 * @deprecated <b>Pass a key of type {@code Comparable} to use {@link
 * ImmutableSortedMap#of(Comparable, Object)}. </b>
 */

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* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-
jar/com/google/common/collection/ImmutableSortedMapFauxverideShim.java
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/*
 * This method was rewritten in Java from an intermediate step of the Murmur hash function in
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jar/com/google/common/base/SmallCharMatcher.java

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jar/com/google/common/coll/ImmutableSortedMultiset.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/SortedIterables.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/ForwardingSortedMultiset.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/RangeSet.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/GeneralRange.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/RegularImmutableSortedMultiset.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/AbstractRangeSet.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/SortedIterable.java
* /opt/cola/permits/1104665043_1604644117.38/0/guava-30-0-jre-sources-1-jar/com/google/common/collection/Count.java

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 * Creates a new [@link GeneratorAdapter]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * [@link #GeneratorAdapter(int, MethodVisitor, int, String, String)]
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 */
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* /opt/cola/permits/1136026239_1613657838.95/0/asm-all-5-2-sources-jar/org/objectweb/asm/tree/package.html
* /opt/cola/permits/1136026239_1613657838.95/0/asm-all-5-2-sources-jar/org/objectweb/asm/commons/package.html
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* /opt/cola/permits/1136026239_1613657838.95/0/asm-all-5-2-sources-jar/org/objectweb/asm/tree/MethodInsnNode.java
* /opt/cola/permits/1136026239_1613657838.95/0/asm-all-5-2-sources-jar/org/objectweb/asm/optimizer/AnnotationConstantsCollector.java
* /opt/cola/permits/1136026239_1613657838.95/0/asm-all-5-2-sources-jar/org/objectweb/asm/commons/FieldRemapper.java
* /opt/cola/permits/1136026239_1613657838.95/0/asm-all-5-2-sources-jar/org/objectweb/asm/tree/analysis/AnalyzerException.java

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* /opt/cola/permits/1136026239_1613657838.95/0/asm-all-5-2-sources-jar/org/objectweb.asm/Opcodes.java
* /opt/cola/permits/1136026239_1613657838.95/0/asm-all-5-2-sources-jar/org/objectweb.asm/commons/ClassRemapper.java
* /opt/cola/permits/1136026239_1613657838.95/0/asm-all-5-2-sources-jar/org/objectweb.asm/tree/MethodNode.java
* /opt/cola/permits/1136026239_1613657838.95/0/asm-all-5-2-sources-jar/org/objectweb.asm/tree/IntInsnNode.java
* /opt/cola/permits/1136026239_1613657838.95/0/asm-all-5-2-sources-jar/org/objectweb.asm/ClassWriter.java
* /opt/cola/permits/1136026239_1613657838.95/0/asm-all-5-2-sources-jar/org/objectweb.asm/tree/LineNumberNode.java
* /opt/cola/permits/1136026239_1613657838.95/0/asm-all-5-2-sources-jar/org/objectweb.asm/tree/analysis/BasicValue.java
* /opt/cola/permits/1136026239_1613657838.95/0/asm-all-5-2-sources-jar/org/objectweb.asm/commons/TableSwitchGenerator.java
* /opt/cola/permits/1136026239_1613657838.95/0/asm-all-5-2-sources-jar/org/objectweb.asm/signature/SignatureReader.java
* /opt/cola/permits/1136026239_1613657838.95/0/asm-all-5-2-sources-jar/org/objectweb.asm/AnnotationVisitor.java
* /opt/cola/permits/1136026239_1613657838.95/0/asm-all-5-2-sources-jar/org/objectweb.asm/tree/InnerClassNode.java
* /opt/cola/permits/1136026239_1613657838.95/0/asm-all-5-2-sources-jar/org/objectweb.asm/util/TraceFieldVisitor.java
* /opt/cola/permits/1136026239_1613657838.95/0/asm-all-5-2-sources-jar/org/objectweb.asm/commons/Remapper.java
* /opt/cola/permits/1136026239_1613657838.95/0/asm-all-5-2-sources-jar/org/objectweb.asm/tree/InvokeDynamicInsnNode.java
jar/org/objectweb/asm/optimizer/MethodConstantsCollector.java
* /opt/colab/permits/1136026239_9613657838.50/0/asm-all-5-2-sources-jar/org/objectweb/asm/tree/analysis/SourceValue.java
* /opt/colab/permits/1136026239_9613657838.50/0/asm-all-5-2-sources-jar/org/objectweb/asm/commons/TryCatchBlockSorter.java
* /opt/colab/permits/1136026239_9613657838.50/0/asm-all-5-2-sources-jar/org/objectweb/asm/tree/VarInsnNode.java
* /opt/colab/permits/1136026239_9613657838.50/0/asm-all-5-2-sources-jar/org/objectweb/asm/commons/LocalVariablesSorter.java
* /opt/colab/permits/1136026239_9613657838.50/0/asm-all-5-2-sources-jar/org/objectweb/asm/ClassReader.java
* /opt/colab/permits/1136026239_9613657838.50/0/asm-all-5-2-sources-jar/org/objectweb/asm/commons/RemappingClassAdapter.java
* /opt/colab/permits/1136026239_9613657838.50/0/asm-all-5-2-sources-jar/org/objectweb/asm/commons/CodeSizeEvaluator.java
* /opt/colab/permits/1136026239_9613657838.50/0/asm-all-5-2-sources-jar/org/objectweb/asm/util/TraceMethodVisitor.java
* /opt/colab/permits/1136026239_9613657838.50/0/asm-all-5-2-sources-jar/org/objectweb/asm/Handle.java
* /opt/colab/permits/1136026239_9613657838.50/0/asm-all-5-2-sources-jar/org/objectweb/asm/tree/TypeAnnotationNode.java
* /opt/colab/permits/1136026239_9613657838.50/0/asm-all-5-2-sources-jar/org/objectweb/asm/util/TraceAnnotationVisitor.java
* /opt/colab/permits/1136026239_9613657838.50/0/asm-all-5-2-sources-jar/org/objectweb/asm/tree/FrameNode.java
* /opt/colab/permits/1136026239_9613657838.50/0/asm-all-5-2-sources-jar/org/objectweb/asm/tree/MethodVisitor.java
* /opt/colab/permits/1136026239_9613657838.50/0/asm-all-5-2-sources-jar/org/objectweb/asm/tree/MultiANewArrayInsnNode.java
* /opt/colab/permits/1136026239_9613657838.50/0/asm-all-5-2-sources-jar/org/objectweb/asm/tree/analysis/Value.java
* /opt/colab/permits/1136026239_9613657838.50/0/asm-all-5-2-sources-jar/org/objectweb/asm/tree/LdcInsnNode.java
* /opt/colab/permits/1136026239_9613657838.50/0/asm-all-5-2-sources-jar/org/objectweb/asm/tree/analysis/SourceInterpreter.java
* /opt/colab/permits/1136026239_9613657838.50/0/asm-all-5-2-sources-jar/org/objectweb/asm/tree/ParameterNode.java

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* /opt/cola/permits/1136026239_1613657838.95/0/asm-all-5-2-sources-jar/org/objectweb/asm/optimizer/shrink-frames.properties
* /opt/cola/permits/1136026239_1613657838.95/0/asm-all-5-2-sources-jar/org/objectweb/asm/optimizer/shrink-writer.properties
* /opt/cola/permits/1136026239_1613657838.95/0/asm-all-5-2-sources-jar/org/objectweb/asm/optimizer/shrink.properties
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* /opt/cola/permits/1136026239_1613657838.95/0/asm-all-5-2-sources-jar/org/objectweb/asm/TypeReference.java
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 */
/**
 * Creates a new {@link AnalyzerAdapter}. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the
 * {AnalyzerAdapter(int, String, int, String, String, MethodVisitor)}
 * version.
 * @param owner
 * the owner's class name.
 * @param access
 * the method's access flags (see {Opcodes}).
 * @param name
 * the method's name.
 * @param desc
 * the method's descriptor (see {Type}).
 * @param mv
 * the method visitor to which this adapter delegates calls. May
 * be <tt>null</tt>.
* @throws IllegalStateException
*             If a subclass calls this constructor.
*/

Found in path(s):
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 */
/**
 * Constructs a new {@link LocalVariableAnnotationNode}. <i>Subclasses must
 * not use this constructor</i>. Instead, they must use the
 * { @link #LocalVariableAnnotationNode(int, TypePath, LabelNode[], LabelNode[], int[], String)}
 * version.
 *
 * @param typeRef
 *     a reference to the annotated type. See { @link TypeReference}.
 *
 * @param typePath
 *     the path to the annotated type argument, wildcard bound, array
* element type, or static inner type within 'typeRef'. May be
* \texttt{null} if the annotation targets 'typeRef' as a whole.
* @param start
* the first instructions corresponding to the continuous ranges
* that make the scope of this local variable (inclusive).
* @param end
* the last instructions corresponding to the continuous ranges
* that make the scope of this local variable (exclusive). This
* array must have the same size as the 'start' array.
* @param index
* the local variable's index in each range. This array must have
* the same size as the 'start' array.
* @param desc
* the class descriptor of the annotation class.
*/

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 */

/**
 * Constructs a new [@link Textifier]. <i>Subclasses must not use this
 * constructor</i>. Instead, they must use the [@link #Textifier(int)]
 * version.
 *
 * @throws IllegalStateException
 *          If a subclass calls this constructor.
 */

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/**
* Constructs a new [@link ClassNode]. <i>Subclasses must not use this
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* version.
*
* @throws IllegalStateException
*          If a subclass calls this constructor.
*/

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* Creates a new JSRInliner. *Subclasses must not use this constructor*. Instead, they must use the version.

* @param mv
  the <code>MethodVisitor</code> to send the resulting inlined method code to (use <code>null</code> for none).
* @param access
  the method's access flags (see <code>Opcodes</code>). This parameter also indicates if the method is synthetic and/or deprecated.
* @param name
  the method's name.
* @param desc
  the method's descriptor (see <code>Type</code>).
* @param signature
  the method's signature. May be <tt>null</tt>.
* @param exceptions
  the internal names of the method's exception classes (see <tt>getInternalName()</tt>). May be <tt>null</tt>. 
* @throws IllegalStateException
  If a subclass calls this constructor.
*/
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Dean Elsner wrote the original gas for vax. [more details?]

Jay Fenlason maintained gas for a while, adding support for
gdb-specific debug information and the 68k series machines, most of
the preprocessing pass, and extensive changes in messages.c,
input-file.c, write.c.

K. Richard Pixley maintained gas for a while, adding various
enhancements and many bug fixes, including merging support for several
processors, breaking gas up to handle multiple object file format
backends (including heavy rewrite, testing, an integration of the coff
and b.out backends), adding configuration including heavy testing and
verification of cross assemblers and file splits and renaming,
converted gas to strictly ansi C including full prototypes, added
support for m680[34]0 & cpu32, considerable work on i960 including a
coff port (including considerable amounts of reverse engineering), a
sparc opcode file rewrite, decstation, rs6000, and hp300hpux host
ports, updated "know" assertions and made them work, much other
reorganization, cleanup, and lint.

Ken Raeburn wrote the high-level BFD interface code to replace most of
the code in format-specific I/O modules.

The original Vax-VMS support was contributed by David L. Kashtan.
Eric Youngdale and Pat Rankin have done much work with it since.

The Intel 80386 machine description was written by Eliot Dresselhaus.

Minh Tran-Le at IntelliCorp contributed some AIX 386 support.

The Motorola 88k machine description was contributed by Devon Bowen of
Buffalo University and Torbjorn Granlund of the Swedish Institute of
Computer Science.

Keith Knowles at the Open Software Foundation wrote the original MIPS
back end (tc-mips.c, tc-mips.h), and contributed Rose format support
that hasn't been merged in yet. Ralph Campbell worked with the MIPS
code to support a.out format.

Support for the Zilog Z8k and Hitachi H8/300, H8/500 and SH processors
(tc-z8k, tc-h8300, tc-h8500, tc-sh), and IEEE 695 object file format
(obj-ieee), was written by Steve Chamberlain of Cygnus Solutions.
Steve also modified the COFF back end (obj-coffbfd) to use BFD for
some low-level operations, for use with the Hitachi, 29k and Zilog
targets.

John Gilmore built the AMD 29000 support, added .include support, and
simplified the configuration of which versions accept which
pseudo-ops. He updated the 68k machine description so that Motorola's
opcodes always produced fixed-size instructions (e.g. jsr), while
synthetic instructions remained shrinkable (jbsr). John fixed many
bugs, including true tested cross-compilation support, and one bug in
relaxation that took a week and required the proverbial one-bit fix.

Ian Lance Taylor of Cygnus Solutions merged the Motorola and MIT
syntaxes for the 68k, completed support for some COFF targets (68k,
i386 SVR3, and SCO Unix), wrote the ECOFF support based on Michael
Meissner's mips-tfile program, wrote the PowerPC and RS/6000 support, and made a few other minor patches. He handled the binutils releases for versions 2.7 through 2.9.

David Edelsohn contributed fixes for the PowerPC and AIX support.

Steve Chamberlain made gas able to generate listings.

Support for the HP9000/300 was contributed by Glenn Engel of HP.

Support for ELF format files has been worked on by Mark Eichin of Cygnus Solutions (original, incomplete implementation), Pete Hoogenboom at the University of Utah (HPPA mainly), Michael Meissner of the Open Software Foundation (i386 mainly), and Ken Raeburn of Cygnus Solutions (sparc, initial 64-bit support).

Several engineers at Cygnus Solutions have also provided many small bug fixes and configuration enhancements.

The initial Alpha support was contributed by Carnegie-Mellon University. Additional work was done by Ken Raeburn of Cygnus Solutions. Richard Henderson then rewrote much of the Alpha support.

Ian Dall updated the support code for the National Semiconductor 32000 series, and added support for Mach 3 and NetBSD running on the PC532.

Klaus Kaempf ported the assembler and the binutils to openVMS/Alpha.

Steve Haworth contributed the support for the Texas Instruction c30 (tms320c30).

H.J. Lu has contributed many patches and much testing.

Alan Modra reworked much of the i386 backend, improving the error checking, updating the code, and improving the 16 bit support, using patches from the work of Martynas Kunigelis and H.J. Lu.

Many others have contributed large or small bugfixes and enhancements. If you've contributed significant work and are not mentioned on this list, and want to be, let us know. Some of the history has been lost; we aren't intentionally leaving anyone out.

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```
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```
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<signature of Ty Coon>, 1 April 1989
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1.2030 libedit 3.0 12.20121213cvs.el7

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1.2034 datatype 1.4.01
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set yrange [0:]
set terminal pngcairo font 'Sans, 8' lw 1 size 1400,1024
set xtics rotate by -45
set style histogram errorbars gap 2 lw 1
set style fill solid border -1
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* /opt/cola/permits/1136647748_1613845912.1/0/asm-commons-7-0-sources-3-
**Constructs a new** [@link GeneratorAdapter]. *<i>Subclasses must not use this constructor</i>*.

* Instead, they must use the [@link #GeneratorAdapter(int, MethodVisitor, int, String, String)]*
  * version.
  *
  * @param methodVisitor the method visitor to which this adapter delegates calls.
  * @param access the method's access flags (see [@link Opcodes]).
  * @param name the method's name.
  * @param descriptor the method's descriptor (see [@link Type]).
  * @throws IllegalStateException if a subclass calls this constructor.
*/

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/**
 * Constructs a new {@link LocalVariablesSorter}. <i>Subclasses must not use this constructor</i>.
 * Instead, they must use the {@link #LocalVariablesSorter(int, int, String, MethodVisitor)}
 * version.
 *
 * @param access access flags of the adapted method.
 * @param descriptor the method's descriptor (see {@link Type}).
 * @param methodVisitor the method visitor to which this adapter delegates calls.
 * @throws IllegalStateException if a subclass calls this constructor.
 */

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/**
* Constructs a new {@link SerialVersionUIDAdder}. <i>Subclasses must not use this
* constructor</i>. Instead, they must use the [{@link #SerialVersionUIDAdder(int, ClassVisitor)}]
* version.
*
* @param classVisitor a [{@link ClassVisitor}] to which this visitor will delegate calls.
* @throws IllegalStateException If a subclass calls this constructor.
*/

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* org.eclipse.jetty.orbit:org.eclipse.jdt.core

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* org.eclipse.jetty.orbit:javax.security.auth.message

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* org.eclipse.jetty.orbit:javax.mail.glassfish

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Oracle

The following artifacts are CDDL + GPLv2 with classpath exception.
https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html

* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

------

Oracle OpenJDK

If ALPN is used to negotiate HTTP/2 connections, then the following artifacts may be included in the distribution or downloaded when ALPN module is selected.

* java.sun.security.ssl

These artifacts replace/modify OpenJDK classes. The modifications are hosted at github and both modified and original are under GPL v2 with
classpath exceptions.
http://openjdk.java.net/legal/gplv2+ce.html

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OW2

The following artifacts are licensed by the OW2 Foundation according to the terms of http://asm.ow2.org/license.html

org.ow2.asm:asm-commons
org.ow2.asm:asm

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Apache

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org.apache.taglibs:taglibs-standard-spec
org.apache.taglibs:taglibs-standard-impl

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MortBay

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org.mortbay.jasper:apache-jsp
org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

org.mortbay.jasper:apache-el
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-el-api

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1.2050 metrics-json 4.0.5

1.2051 jcl-over-slf4j 1.7.25

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  jar/org/apache/commons/logging/LogFactory.java
* /opt/cola/permits/1000740347_1646171536.17/0/jcl-over-slf4j-1-7-25-sources-
  jar/org/apache/commons/logging/Log.java
* /opt/cola/permits/1000740347_1646171536.17/0/jcl-over-slf4j-1-7-25-sources-
  jar/org/apache/commons/logging/impl/SLF4JLogFactory.java
* /opt/cola/permits/1000740347_1646171536.17/0/jcl-over-slf4j-1-7-25-sources-
  jar/org/apache/commons/logging/impl/SLF4JLocationAwareLog.java
* /opt/cola/permits/1000740347_1646171536.17/0/jcl-over-slf4j-1-7-25-sources-
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  jar/org/apache/commons/logging/impl/SimpleLog.java

1.2052 eclipse-core-runtime
3.10.0.v20140318-2214

1.2053 dojox 1.6.1
1.2053.1 Available under license :

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TODO: There are a lot of third party SVG files in samples/svg-files. Document where these came from, who the copyright holder is, and ensure we have a CLA on file for them.

TODO: Figure out copyright information on the *.flv and *.mp3 files that we use in our samples in samples/svg-files

TODO: Review the Flash code and identify any code that was either taken from other Flash libraries, blog posts, or tutorials. Document this and ensure we have appropriate CLAs from third-party code contributors.

TODO: If you borrowed any code while creating your Flash ActionScript document it here, where it came from, version, etc. This is good open source hygiene :)

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1.2054 tcsh 6.18.01-15.el7

1.2054.1 Available under license:

People who have contributed to tcsh for win32 with bugfixes, functionality, and other useful pieces of code. If I've left you out, please let me know!

(In alphabetical order)

Tom Kludy (tom.kludy@citrix.com)
Yarek Kowalik (Yarek.Kowalik@Sitraka.com)
Edward Lam
Matt Landau
Avner Lottem (avner.lottem@intel.com)
blucas (?) (blucas@broadcom.com)
Chun-Pong Yu (bol.pacific.net.sg)
TAGA nayuta (nayuta@is.s.u-tokyo.ac.jp)
Mike Thomas (miketh@brisbane.paradigmgeo.com)
Mark Tucker (mtucker@fiji.sidefx.com)

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*/
/
* config.h -- configure various defines for tcsh
*
* All source files should #include this FIRST.
*
* Edit this to match your system type.
*/

#ifndef _h_config
#define _h_config
/****************** System dependant compilation flags ****************/
/*
* POSIX	This system supports IEEE Std 1003.1-1988 (POSIX).
*/
#undef POSIX
/*
* POSIXJOBS	This system supports the optional IEEE Std 1003.1-1988 (POSIX)
* job control facilities.
*/
#undef POSIXJOBS
/*
* VFORK	This machine has a vfork().
* It used to be that for job control to work, this define
* was mandatory. This is not the case any more.
* If you think you still need it, but you don't have vfork,
* define this anyway and then do #define vfork fork.
* I do this anyway on a Sun because of yellow pages brain damage,
* [should not be needed under 4.1]
* and on the iris4d cause SGI's fork is sufficiently "virtual"
* that vfork isn't necessary. (Besides, SGI's vfork is weird).
* Note that some machines eg. rs6000 have a vfork, but not
* with the berkeley semantics, so we cannot use it there either.
*/
#define VFORK
/*
* BSDJOBS	You have BSD-style job control (both process groups and
* a tty that deals correctly
*/
#define BSDJOBS
/*
* BSDTIMES You have BSD-style process time stuff (like rusage)
* This may or may not be true. For example, Apple Unix
* (OREO) has BSDJOBS but not BSDTIMES.
*/
define BSDTIMES

/*
* BSDLIMIT You have BSD-style resource limit stuff (getrlimit/setrlimit)
*/
define BSDLIMIT

/*
* TERMIO You have struct termio instead of struct sgttyb.
* This is usually the case for SYSV systems, where
* BSD uses sgttyb. POSIX systems should define this
* anyway, even though they use struct termios.
*/
define TERMIO

/*
* SYSVREL Your machine is SYSV based (HPUX, A/UX)
* NOTE: don't do this if you are on a Pyramid -- tcsh is
* built in a BSD universe.
* Set SYSVREL to 1, 2, 3, or 4, depending the version of System V
* you are running. Or set it to 0 if you are not SYSV based
*/
define SYSVREL0

/*
* YPBUGS Work around Sun YP bugs that cause expansion of ~username
* to send command output to /dev/null
*/
define YPBUGS

/**************************** local defines ***************************/
#endif /* _h_config */
of this license document, but changing it is not allowed.

[This is the first released version of the library GPL. It is numbered 2 because it goes with version 2 of the ordinary GPL.]

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lib/gssapi/generic/gssapi_err_generic.et
lib/gssapi/mechglue/g_accept_sec_context.c
lib/gssapi/mechglue/g_acquire_cred.c
lib/gssapi/mechglue/g_canon_name.c
lib/gssapi/mechglue/g_compare_name.c
lib/gssapi/mechglue/g_context_time.c
lib/gssapi/mechglue/g_delete_sec_context.c
lib/gssapi/mechglue/g_dsp_name.c
lib/gssapi/mechglue/g_dsp_status.c
lib/gssapi/mechglue/g_dup_name.c
lib/gssapi/mechglue/g_exp_sec_context.c
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lib/gssapi/mechglue/g_glue.c
lib/gssapi/mechglue/g_imp_name.c
lib/gssapi/mechglue/g_imp_sec_context.c
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lib/gssapi/mechglue/g_initialize.c
lib/gssapi/mechglue/g_inquire_context.c
lib/gssapi/mechglue/g_inquire_cred.c
lib/gssapi/mechglue/g_inquire_names.c
lib/gssapi/mechglue/g_process_context.c
and the initial implementation of incremental propagation, including
the following new or changed files:

include/iprop_hdr.h
kadmin/server/ipropd_svc.c
lib/kdb/iprop.x
lib/kdb/kdb_convert.c
lib/kdb/kdb_log.c
lib/kdb/kdb_log.h
lib/krb5/error_tables/kdb5_err.et
slave/kpropd_rpc.c
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* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/reference/validation/HTMLValidationRule.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/reference/validation/CreditCardValidationRule.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/errors/ValidationException.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/errors/CertificateException.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/reference/validation/NumberValidationRule.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/codecs/UnixCodec.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/codecs/LegacyHTMLEntityCodec.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/filters/ESAPIFilter.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/reference/IntegerAccessReferenceMap.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/codecs/LegacyHTMLEntityCodec.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/filters/ESAPIFilter.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/codecs/JavaScriptCodec.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/filters/ESAPIFilter.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/codecs/JavaScriptCodec.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/filters/ESAPIFilter.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/codecs/JavaScriptCodec.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/filters/ESAPIFilter.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/codecs/JavaScriptCodec.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/filters/ESAPIFilter.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/codecs/JavaScriptCodec.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/filters/ESAPIFilter.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/codecs/JavaScriptCodec.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/filters/ESAPIFilter.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/codecs/JavaScriptCodec.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/filters/ESAPIFilter.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/codecs/JavaScriptCodec.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/filters/ESAPIFilter.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/codecs/JavaScriptCodec.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/filters/ESAPIFilter.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/codecs/JavaScriptCodec.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/filters/ESAPIFilter.java
jar/org/owasp/esapi/reference/DefaultIntrusionDetector.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2.2.0.0-sources-3.jar/org/owasp/esapi/Authenticator.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2.2.0.0-sources-3.jar/org/owasp/esapi/errors/AuthenticationAccountsException.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2.2.0.0-sources-3.jar/org/owasp/esapi/errors/ExecutorException.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2.2.0.0-sources-3.jar/org/owasp/esapi/errors/ValidationUploadException.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2.2.0.0-sources-3.jar/org/owasp/esapi/errors/AuthenticationLoginException.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2.2.0.0-sources-3.jar/org/owasp/esapi/codecs/PercentCodec.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2.2.0.0-sources-3.jar/org/owasp/esapi/codecs/Codec.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2.2.0.0-sources-3.jar/org/owasp/esapi/codecs/MySQLCodec.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2.2.0.0-sources-3.jar/org/owasp/esapi/codecs/WindowsCodec.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2.2.0.0-sources-3.jar/org/owasp/esapi/codecs/Codec.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2.2.0.0-sources-3.jar/org/owasp/esapi/codecs/WindowsCodec.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2.2.0.0-sources-3.jar/org/owasp/esapi/reference/crypto/DefaultEncryptedProperties.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2.2.0.0-sources-3.jar/org/owasp/esapi/reference/DefaultEncoder.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2.2.0.0-sources-3.jar/org/owasp/esapi/reference/validation/BaseValidationRule.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2.2.0.0-sources-3.jar/org/owasp/esapi/reference/validation/IntegerValidationRule.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2.2.0.0-sources-3.jar/org/owasp/esapi/intrusion/IntrusionDetector.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2.2.0.0-sources-3.jar/org/owasp/esapi/codecs/Codec.java
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 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2007
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* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/reference/Log4JLogFactory.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/reference/AbstractAccessReferenceMap.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/reference/DefaultHTTPUtilities.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/reference/Log4JLogger.java
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 *
 * @author Matt Seil (mseil\at. owasp.org)
 * @created 2017
 *
 * @author Jeff Williams (jeff.williams\at. aspectsecurity.com) <a
 * href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2007
 */

Found in path(s):
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-
  jar/org/owasp/esapi/codecs/AbstractCharacterCodec.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-
  jar/org/owasp/esapi/codecs/AbstractIntegerCodec.java

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* @author Patrick Higgins
* @created 2010 */

Found in path(s):
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/ExecuteResult.java

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 * Enterprise Security API (ESAPI) project. For details, please see
 * @author Matt Seil (mseil @at. owasp.org)
 * @updated 2017
 *
 * @author Jeff Williams (jeff.williams @at. aspectsecurity.com) <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2007 */

Found in path(s):
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/codecs/PushbackString.java

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* @created 2018
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Found in path(s):
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/logging/slf4j/Slf4JLogBridgeImpl.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/logging/cleaning/NewlineLogScrubber.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/logging/slf4j/Slf4JLogBridge.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/logging/cleaning/CompositeLogScrubber.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/logging/slf4j/Slf4JLogLevelHandlers.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/logging/slf4j/Slf4JLogLevelHandler.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/logging/cleaning/LogScrubber.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/codecs/XMLEntityCodec.java

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 * @author Matt Seil (mseil .at. owasp.org)
 * @created 2017
 *
 * @author Jeff Williams (jeff.williams .at. aspectsecurity.com) <a
 *         href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2007
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Found in path(s):
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-
  jar/org/owasp/esapi/codecs/HTMLEntityCodec.java
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Found in path(s):
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-
  jar/org/owasp/esapi/codecs/DB2Codec.java
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* 
* @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
* @author Jim Manico (jim@manico.net) <a href="http://www.manico.net">Manico.net</a>
* 
* @created 2007
*/

Found in path(s):
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/reference/DefaultValidator.java
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 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @author kevin.w.wall@gmail.com
 * @created 2007
*/

Found in path(s):
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/Encryptor.java
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/**
 * The method is ESAPI's Key Derivation Function (KDF) that computes a
 * derived key from the {code keyDerivationKey} for either
 * encryption / decryption or for authentication.
 * <p>
 * <b>CAUTION:</b> If this algorithm for computing derived keys from the
 * key derivation key is <i>ever</i> changed, we risk breaking backward compatibility of being
 * able to decrypt data previously encrypted with earlier / different versions
 * of this method. Therefore, do not change this unless you are 100% certain that
what you are doing will NOT change either of the derived keys for
ANY "key derivation key" AT ALL!!

NOTE: This method is generally not intended to be called separately.
It is used by ESAPI's reference crypto implementation class \[@code JavaEncryptor\]
and might be useful for someone implementing their own replacement class, but
generally it is not something that is useful to application client code.

@\param keyDerivationKey A key used as an input to a key derivation function
to derive other keys. This is the key that generally
is created using some key generation mechanism such as
\[@link CryptoHelper\#generateSecretKey(String, int)\]. The
"input" key from which the other keys are derived.
The derived key will have the same algorithm type
as this key. This KDK cannot be null.
\@param keySize The cipher's key size (in bits) for the \[@code keyDerivationKey\].
Must have a minimum size of 56 bits and be an integral multiple of 8-bits.
Note: The derived key will have the same size as this.
\@param purpose The purpose for the derived key. For the ESAPI reference implementation,
this \i>must</i> be either the string "encryption" or
"authentication", where "encryption" is used for creating a derived key to use
for confidentiality, and "authentication" is used for creating a derived key to
use with a MAC to ensure message authenticity. However, since parameter serves
the same purpose as the "Label" in section 5.1 of NIST SP 800-108, it really can
be set to anything other than \[@code null\] or an empty string when called outside
of \[@code JavaEncryptor\].
\@return The derived \[@code SecretKey\] to be used according
to the specified purpose.
\@throws NoSuchAlgorithmException Has an unsupported
encryption algorithm or no current JCE provider supports
"HmacSHA1".
\@throws EncryptionException If "UTF-8" is not supported as an encoding, then
this is thrown with the original \[@code UnsupportedEncodingException\]
as the cause. (NOTE: This should never happen as "UTF-8" is supposed to
be a common encoding supported by all Java implementations. Support
for it is usually in rt.jar.)
\@throws InvalidKeyException Likely indicates a coding error. Should not happen.
\@throws EncryptionException Throw for some precondition violations.
*/
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 *
 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2007
 */

/**
 * An IntrusionException should be thrown anytime an error condition arises that is likely to be the result of an attack
 * in progress. IntrusionExceptions are handled specially by the IntrusionDetector, which is equipped to respond by
 * either specially logging the event, logging out the current user, or invalidating the current user's account.
 * <p>
 * Unlike other exceptions in the ESAPI, the IntrusionException is a RuntimeException so that it can be thrown from
 * anywhere and will not require a lot of special exception handling.
 *
 * @author Jeff Williams (jeff.williams@aspectsecurity.com)
 */

Found in path(s):
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-
  jar/org/owasp/esapi/errors/IntrusionException.java
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 *
 * @author Mike Fauzy <a href="http://www.aspectsecurity.com">Aspect Security</a>
Return a List of strings of combined cipher modes that support confidentiality and authenticity. These would be preferred cipher modes to use if your JCE provider supports them. If such a cipher mode is used, no explicit separate MAC is calculated as part of the CipherText object upon encryption nor is any attempt made to verify the same on decryption.

The list is taken from the comma-separated list of cipher modes specified by the ESAPI property.

@code
{ @code
* @return The parsed list of comma-separated cipher modes if the property was specified in @code ESAPI.properties}; otherwise the empty list is returned.
*/

Found in path(s):
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/SecurityConfiguration.java
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* @author Arshan Dabirsiaghi @a href="http://www.aspectsecurity.com">Aspect Security</a>
* @created 2008
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Found in path(s):
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/**
* OWASP Enterprise Security API (ESAPI)
*
* This method adds a provider to the `SecurityManager`
* either by some generic name or by the class name.
* </p><p>
The following generic JCE provider names are built-in:
* </ul>
* <li>SunJCE</li>
* <li>IBMJCE [for WebSphere]</li>
* <li>GnuCrypto [for use with GNU Compiler for Java, i.e., gcj]</li>
* <li>BC [i.e., Bouncy Castle]</li>
* <li>IAIK</li>
* <li>CryptixCrypto (or Cryptix)
* <li>ABA
* </ul>

* Note that neither Cryptix or ABA are actively maintained so
* it is recommended that you do not start using them for ESAPI
* unless your application already has a dependency on them. Furthermore,
* the Cryptix JCE jars will likely not work as the Cryptix code signing
* certificate has expired as of August 28, 2009. (This likely is true
* for ABA, but I can't even find a copy to download!). Lastly, the IAIK
* provider is no longer offered as free, open source. It is not a
* commercial product. See [http://jce.iaik.tugraz.at/](http://jce.iaik.tugraz.at/) for
* details. While some older versions were offered free, it is not clear
* whether the accompanying license still allows you to use it, and if
* it does, whether or not the code signing certificate used to sign
* their JCE jar(s) has expired are not. Therefore, if you are looking
* for a FOSS alternative to SunJCE, Bouncy Castle
* ([http://www.bouncycastle.org/](http://www.bouncycastle.org/)) is probably your best bet. The
* BC provider does support many of the "combined cipher modes" that provide
* both confidentiality and authenticity. (See the [ESAPI.properties]
* property [Encryptor.cipher_modes.combined_modes] for details.)
* </p><p>
For those working in the U.S. federal government, it should be noted
* that <i>none</i> of the providers listed here are considered validated
* by NIST's Cryptographic Module Validation Program and are therefore
* considered FIPS 140-2 compliant. There are a few approved
* JCE compatible Java libraries that are on NIST's CMVP list, but this
* list changes constantly so they are not listed here. For further details
* on NIST's CMVP, see
* [http://csrc.nist.gov/groups/STM/cmvp/index.html].
* </p><p>
Finally, if you wish to use some other JCE provider not recognized above,
* you must specify the provider's fully-qualified class name (which in
* turn must have a public, no argument constructor).
* </p><p>
The application must be given the `SecurityPermission` with a
* value of `insertProvider.&lt;provider_name&gt;` (where
* `&lt;provider_name&gt;` is the name of the algorithm provider if
* a security manager is installed.)
@param algProvider Name of the JCE algorithm provider. If the name contains a ".", this is interpreted as the name of a {@code java.security.Provider} class name.

@param pos The preference position (starting at 1) that the caller would like for this provider. If you wish for it to be installed as the last provider (as of the time of this call), set {@code pos} to -1.

@return The actual preference position at which the provider was added, or -1 if the provider was not added because it is already installed.

@exception NoSuchProviderException - thrown if the provider class could not be loaded or added to the {@code SecurityManager} or any other reason for failure.

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 * @author Mike Fauzy <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @author Rogan Dawes <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2008
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* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3.jar/org/owasp/esapi/crypto/SecurityProviderLoader.java
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**/

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* @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
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* @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
* @author kevin.w.wall@gmail.com
* @created 2007
*/

// Using cipher mode that supports *both* confidentiality *and* authenticity? If so, then
// If we are using a "preferred" cipher mode--i.e., one that supports *both* confidentiality and

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* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-
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 * @author Chris Schmidt (chris.schmidt@owasp.org)
 * @created 2010
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 * @author Pawan Singh (pawan.singh@owasp.org) <a href="www.owasp.org">OWASP</a>
 * @created 2009
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Found in path(s):
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/util/DefaultMessageUtil.java
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 * @author Arshan Dabirsiaghi <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2009
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* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/waf/actions/Action.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/waf/rules/MustMatchRule.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/waf/actions/DefaultAction.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-
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jar/org/owasp/esapi/waf/rules/EnforceHTTPSRule.java
*/opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/waf/internal/InterceptingPrintWriter.java
*/opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/waf/internal/InterceptingServletOutputStream.java
*/opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/waf/rules/HTTPMethodRule.java
*/opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/waf/configuration/AppGuardianConfiguration.java
*/opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/waf/rules/RestrictUserAgentRule.java
*/opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/waf/rules/AddHeaderRule.java
*/opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/waf/rules/BlockAction.java
*/opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/waf/rules/RedirectAction.java
*/opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/waf/rules/DoNothingAction.java
*/opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/waf/rules/DetectOutboundContentRule.java
*/opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/waf/rules/RestrictContentTypeRule.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/waf/ESAPIWebApplicationFirewallFilter.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/waf/rules/BeanShellRule.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/waf/rules/IRule.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/waf/rules/GeneralAttackSignatureRule.java
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 * @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created February 6, 2009
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Found in path(s):
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/filters/ClickjackFilter.java
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* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/META-INF/maven/org.owasp.esapi/esapi/pom.xml
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Found in path(s):
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/HTTPUtilities.java

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* @created 2007
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Found in path(s):
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/filters/SecurityWrapperRequest.java
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/filters/SecurityWrapperResponse.java

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* @author Jeff Williams <a href="http://www.aspectsecurity.com">Aspect Security</a>
* @created 2007
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/**
 * Executes a system command after checking that the executable exists and
* escaping all the parameters to ensure that injection is impossible.
* Implementations must change to the specified working
* directory before invoking the command.

* @param executable
  * the command to execute
* @param params
  * the parameters of the command being executed
* @param workdir
  * the working directory
* @param codec
  * the codec to use to encode for the particular OS in use
* @param logParams
  * use false if any parameters contains sensitive or confidential information

* @return the output of the command being run

* @throws ExecutorException
  * the service exception

*/

Found in path(s):
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/Executor.java
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/**
 * <p>Encodes and decodes to and from Base64 notation.</p>
 * <p>Homepage: &lt;a href="http://iharder.net/base64">http://iharder.net/base64</a&gt;</p>
 * (based on version 2.2.2). </p>
 * 
 * <p>The &lt;tt&gt;options&lt;/tt&gt; parameter, which appears in a few places, is used to pass
 * several pieces of information to the encoder. In the "higher level" methods such as
 * encodeBytes( bytes, options ) the options parameter can be used to indicate such
 * things as first gzipping the bytes before encoding them, not inserting linefeeds
 * (though that breaks strict Base64 compatibility), and encoding using the URL-safe
 * and Ordered dialects.</p>
 * 
 * <p>The constants defined in Base64 can be OR-ed together to combine options, so you
 * might make a call like this:</p>
 * 
 * &lt;code&gt;String encoded = Base64.encodeBytes( mybytes, Base64.GZIP | Base64.DONT_BREAK_LINES &lt;/code&gt;
 * 
 * &lt;p&gt;to compress the data before encoding it and then making the output have no newline characters.&lt;/p&gt;
 * 
 * 
 * &lt;p&gt;
 * Original change Log:
* v2.2.2 - Fixed encodeFileToFile and decodeFileToFile to use the Base64.InputStream class to encode and decode on the fly which uses less memory than encoding/decoding an entire file into memory before writing.
* v2.2.1 - Fixed bug using URL_SAFE and ORDERED encodings. Fixed bug when using very small files (~< 40 bytes).
* v2.2 - Added some helper methods for encoding/decoding directly from one file to the next. Also added a main() method to support command line encoding/decoding from one file to the next. Also added these Base64 dialects:
  * RFC3548 format.
  * URL and file name friendly format as described in Section 4 of RFC3548.
  * URL and file name friendly format that preserves lexical ordering as described in RFC-1940.html.
  * Special thanks to Jim Kellerman for contributing the new Base64 dialects.
* v2.1 - Cleaned up javadoc comments and unused variables and methods. Added some convenience methods for reading and writing to and from files.
* v2.0.2 - Now specifies UTF-8 encoding in places where the code fails on systems with other encodings (like EBCDIC).
* v2.0.1 - Fixed an error when decoding a single byte, that is, when the encoded data was a single byte.
* v2.0 - I got rid of methods that used booleans to set options. Now everything is more consolidated and cleaner. The code now detects when data that's being decoded is gzip-compressed and will decompress it automatically. Generally things are cleaner. You'll probably have to change some method calls that you were making to support the new options format.
* v1.5.1 - Fixed bug when decompressing and decoding to a byte[] using decode(String s, boolean gzipCompressed). Added the ability to "suspend" encoding in the Output Stream so you can turn on and off the encoding if you need to embed base64 data in an otherwise "normal" stream (like an XML file).
* v1.5 - Output stream pases on flush() command but doesn't do anything itself. This helps when using GZIP streams.
* v1.4 - Added helper methods to read/write files.
* v1.3.6 - Fixed OutputStream.flush() so that 'position' is reset.
* v1.3.5 - Added flag to turn on and off line breaks. Fixed bug in input stream where last buffer being read, if not completely full, was not returned.
* v1.3.4 - Fixed when "improperly padded stream" error was thrown at the wrong time.
* <li>v1.3.3 - Fixed I/O streams which were totally messed up.</li>
* </ul>
* 
* I am placing this code in the Public Domain. Do with it as you will.
* This software comes with no guarantees or warranties but with
* plenty of well-wishing instead!
* Please visit &lt;a href="http://iharder.net/base64">http://iharder.net/base64&lt;/a&gt;
* periodically to check for updates or to contribute improvements.
* </p>
* 
* @author Robert Harder
* @author rob@iharder.net
* @version 2.2.2
*/

Found in path(s):
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/codecs/Base64.java
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/**
* The method is ESAPI's Key Derivation Function (KDF) that computes a
* derived key from the { @code keyDerivationKey} for either
* encryption / decryption or for authentication.
* </p>
* </b>CAUTION:&lt;/b&gt; If this algorithm for computing derived keys from the
* key derivation key is &lt;i&gt;ever&lt;/i&gt; changed, we risk breaking backward compatibility of being
* able to decrypt data previously encrypted with earlier / different versions
* of this method. Therefore, do not change this unless you are 100% certain that
* what you are doing will NOT change either of the derived keys for
* ANY "key derivation key" AT ALL!!!
* <p>
* <b>NOTE:</b> This method is generally not intended to be called separately.
* It is used by ESAPI's reference crypto implementation class {<code>JavaEncryptor</code>}
* and might be useful for someone implementing their own replacement class, but
* generally it is not something that is useful to application client code.
* 
* @param keyDerivationKey  A key used as an input to a key derivation function
* to derive other keys. This is the key that generally
* is created using some key generation mechanism such as
* {<link #generateSecretKey(String, int)>. The
* "input" key from which the other keys are derived.
* The derived key will have the same algorithm type
* as this key.
* @param keySizeThe cipher's key size (in bits) for the {<code>keyDerivationKey</code>.
* Must have a minimum size of 56 bits and be an integral multiple of 8-bits.
* <b>Note:</b> This method is generally not intended to be called separately.
* @param purposeThe purpose for the derived key. Must be either the
* string "encryption" or "authenticity". Use "encryption" for
* creating a derived key to use for confidentiality, and "authenticity"
* for a derived key to use with a MAC to ensure message authenticity.
* @return The derived {<code>SecretKey</code> to be used according
* to the specified purpose. Note that this serves the same purpose
* as "label" in section 5.1 of NIST SP 800-108.
* @throws NoSuchAlgorithmException The {<code>keyDerivationKey</code> has an unsupported
* encryption algorithm or no current JCE provider supports
* "HmacSHA1".
* @throws EncryptionException If "UTF-8" is not supported as an encoding, then
* this is thrown with the original {<code>UnsupportedEncodingException</code>
* as the cause. (NOTE: This should never happen as "UTF-8" is supposed to
* be a common encoding supported by all Java implementations. Support
* for it is usually in rt.jar.)
* @throws InvalidKeyException Likely indicates a coding error. Should not happen.
* @throws EncryptionException Throw for some precondition violations.
* @deprecated Use{<code>KeyDerivationFunction</code> instead. This method will be removed as of
* ESAPI release 2.3 so if you are using this, please change your code.
* */
/**
* Return true if specified cipher mode is one of those specified in the
* {<code>ESAPI.properties</code> file that supports both confidentiality
* and authenticity (i.e., a "combined cipher mode" as NIST refers
* to it).
* @param cipherMode The specified cipher mode to be used for the encryption
* or decryption operation.
* @return true if the specified cipher mode is in the comma-separated list
* of cipher modes supporting both confidentiality and authenticity;
* otherwise false.
* @see org.owasp.esapi.SecurityConfiguration#getCombinedCipherModes()
*/

Found in path(s):
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 * @author Matt Seil (mseil .at. owasp.org)
 * @created 2017
 */

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 * @author Rogan Dawes <a href="http://www.aspectsecurity.com">Aspect Security</a>
 * @created 2008
 */

Found in path(s):
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/LogFactory.java
No license file was found, but licenses were detected in source scan.

/**
 * OWASP Enterprise Security API (ESAPI)
 *
 * This file is part of the Open Web Application Security Project (OWASP)
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// Because attribute values may be confidential, we don't want to log them!

Found in path(s):
* /opt/cola/permits/1135894973_1613626862.75/0/esapi-2-2-0-0-sources-3-jar/org/owasp/esapi/crypto/CryptoToken.java
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/**
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 */
1.2069 jersey-client 2.25.1
1.2070 jackson 2.10.2

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# Jackson JSON processor

Jackson is a high-performance, Free/Open Source JSON processing library. It was originally written by Tatu Saloranta (tatu.saloranta@iki.fi), and has been in development since 2007. It is currently developed by a community of developers, as well as supported commercially by FasterXML.com.

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1.2071 glib-networking 2.50.0-1.el7

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 * Base constructor.
 * <p>
 * The authorizer attempts to perform matching (including the use of the wildcard) in accordance with RFC 6125.
 * </p>
 * <p>
 * Known suffixes is a list of public domain suffixes that can't be used as wild cards for
 * example *.com, or c*c.com, as a dns wildcard could match every/most .com domains if a registrar were issue it.
 * If *.com is in the known suffixes list will not be allowed to match.
 * </p>
 * @param knownSuffixes a set of suffixes that cannot be wild-carded, e.g. { ".com", ".net", ".org" }
 */

Found in path(s):
* /opt/ws_local/PERMITS_SQL/1089947271_1601369618.24/0/bcpkix-fips-1-0-3-sources-
* jar/org/bouncycastle/est/jcajce/JsseDefaultHostnameAuthorizer.java

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1.2082 python 2.7.5
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A. HISTORY OF THE SOFTWARE

Python was created in the early 1990s by Guido van Rossum at Stichting Mathematisch Centrum (CWI, see http://www.cwi.nl) in the Netherlands as a successor of a language called ABC. Guido remains Python's principal author, although it includes many contributions from others.

In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us) in Reston, Virginia where he released several versions of the
software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation, see http://www.zope.com). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

All Python releases are Open Source (see http://www.opensource.org for the Open Source Definition). Historically, most, but not all, Python releases have also been GPL-compatible; the table below summarizes the various releases.

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In 1995, Guido continued his work on Python at the Corporation for National Research Initiatives (CNRI, see http://www.cnri.reston.va.us/) in Reston, Virginia where he released several versions of the software.

In May 2000, Guido and the Python core development team moved to BeOpen.com to form the BeOpen PythonLabs team. In October of the same year, the PythonLabs team moved to Digital Creations (now Zope Corporation; see http://www.zope.com/). In 2001, the Python Software Foundation (PSF, see http://www.python.org/psf/) was formed, a non-profit organization created specifically to own Python-related Intellectual Property. Zope Corporation is a sponsoring member of the PSF.

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Mersenne Twister

The :mod:`random` module includes code based on a download from http://www.math.sci.hiroshima-u.ac.jp/~m-mat/MT/MT2002/emt19937ar.html. The following are the verbatim comments from the original code:

A C-program for MT19937, with initialization improved 2002/1/26.
Coded by Takuji Nishimura and Makoto Matsumoto.

Before using, initialize the state by using init_genrand(seed)
or init_by_array(init_key, key_length).

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MD5 message digest algorithm

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L. Peter Deutsch
ghost@aladdin.com

Independent implementation of MD5 (RFC 1321).

This code implements the MD5 Algorithm defined in RFC 1321, whose text is available at

http://www.ietf.org/rfc/rfc1321.txt

The code is derived from the text of the RFC, including the test suite (section A.5) but excluding the rest of Appendix A. It does not include any code or documentation that is identified in the RFC as being copyrighted.

The original and principal author of md5.h is L. Peter Deutsch <ghost@aladdin.com>. Other authors are noted in the change history that follows (in reverse chronological order):

2002-04-13 lpd Removed support for non-ANSI compilers; removed references to Ghostscript; clarified derivation from RFC 1321; now handles byte order either statically or dynamically.
1999-11-04 lpd Edited comments slightly for automatic TOC extraction.
1999-10-18 lpd Fixed typo in header comment (ansi2knr rather than md5); added conditionalization for C++ compilation from Martin Purschke <purschke@bnl.gov>.
1999-05-03 lpd Original version.
Asynchronous socket services

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The :mod:`asynchat` and :mod:`asyncore` modules contain the following notice::

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Cookie management

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Modified by Jack Jansen, CWI, July 1995:
- Use binascii module to do the actual line-by-line conversion
  between ascii and binary. This results in a 1000-fold speedup. The C
  version is still 5 times faster, though.
- Arguments more compliant with Python standard

XML Remote Procedure Calls

--------------------------

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---------------

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* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1- jar/org/jivesoftware/smackx/jingle/transports/jingle_ibb/JingleIBBTransportSession.java
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* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1- jar/org/jivesoftware/smackx/jingle/Role.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1- jar/org/jivesoftware/smackx/jingle/transports/jingle_s5b/package-info.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1- jar/org/jivesoftware/smackx/jingle/transports/package-info.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1- jar/jiveextensions-4-3-4-sources-1- jar/org/jivesoftware/smackx/jingle/transports/JingleTransportSession.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1- jar/org/jivesoftware/smackx/jingle/transports/jingle_s5b/provider/JingleIBBTransportProvider.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1- jar/org/jivesoftware/smackx/jingle/element/JingleContentTransportInfo.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1- jar/jiveextensions-4-3-4-sources-1- jar/org/jivesoftware/smackx/jingle/transports/jingle_s5b/elements/JingleS5BTransport.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1- jar/jiveextensions-4-3-4-sources-1- jar/org/jivesoftware/smackx/jingle/transports/jingle_s5b/elements/JingleS5BTransportCandidate.java
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* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1- jar/jiveextensions-4-3-4-sources-1- jar/org/jivesoftware/smackx/jingle/transports/JingleTransportMethodManager.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1- jar/jiveextensions-4-3-4-sources-1- jar/org/jivesoftware/smackx/jingle/transports/JingleTransportManager.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-
jar/org/jivesoftware/smackx/jingle/transports/jingle_s5b/provider/package-info.java

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jar/org/jivesoftware/smackx/jingle/transports/jingle_ibb/package-info.java
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jar/org/jivesoftware/smackx/jingle/transports/JingleTransportInitiationCallback.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-
jar/org/jivesoftware/smackx/jingle/JingleUtil.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-
jar/org/jivesoftware/smackx/jingle/transports/jingle_s5b/JingleS5BTransportSession.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-
jar/org/jivesoftware/smackx/jingle/transports/jingle_s5b/provider/JingleS5BTransportProvider.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-
jar/org/jivesoftware/smackx/jingle/transports/jingle_s5b/elements/package-info.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-
jar/org/jivesoftware/smackx/jingle/transports/jingle_s5b/elements/JingleS5BTransportInfo.java

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* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-
  jar/org/jivesoftware/smackx/privacy/PrivacyListManager.java
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  jar/org/jivesoftware/smackx/geoloc/GeoLocationManager.java
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* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-
jar/org/jivesoftware/smackx/disco/EntityCapabilitiesChangedListener.java

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jar/org/jivesoftware/smack/extensions/ExtensionsInitializer.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-
jar/org/jivesoftware/smackx/vcardtemp/VCardManager.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-
jar/org/jivesoftware/smackx/xdatalayout/XDataLayoutManager.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-
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* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/muc/AutoJoinFailedCallback.java
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* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-
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* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-
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* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-
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jar/org/jivesoftware/smackx/iqversion/VersionManager.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-
jar/org/jivesoftware/smackx/iqversion/provider/VersionProvider.java

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  */opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/blocking/provider/UnblockContactsIQProvider.java
  */opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/blocking/element/BlockListIQ.java
  */opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/bob/provider/package-info.java
  */opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/blocking/provider/BlockListIQProvider.java
  */opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/blocking/provider/BlockContactsIQProvider.java
  */opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/bob/element/BoBIQ.java
  */opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/blocking/provider/package-info.java
  */opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/blocking/package-info.java
  */opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/bob/element/BoBExtension.java
  */opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/blocking/package-info.java
  */opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/blocking/element/BlockContactsIQ.java
  */opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/message_correct/element/MessageCorrectExtension.java
  */opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/message_correct/element/package-info.java
  */opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/blocking/element/package-info.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-jar/org/jivesoftware/smackx/bob/package-info.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-jar/org/jivesoftware/smackx/blocking/provider/BlockedErrorExtensionProvider.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-jar/org/jivesoftware/smackx/message_correct/provider/MessageCorrectProvider.java

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* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-jar/org/jivesoftware/smackx/xdatalayout/ValidationConsistencyException.java
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* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-jar/org/jivesoftware/smackx/pubsub/SubscriptionEvent.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-jar/org/jivesoftware/smackx/pubsub/PubSubManager.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-jar/org/jivesoftware/smackx/pubsub/ItemPublishEvent.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-jar/org/jivesoftware/smackx/bytestreams/ibb/packet/DataPacketExtension.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-jar/org/jivesoftware/smackx/bytestreams/ibb/provider/CloseIQProvider.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-jar/org/jivesoftware/smackx/bytestreams/socks5/Socks5BytestreamListener.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-jar/org/jivesoftware/smackx/privacy/PrivacyList.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/bytestreams/BytestreamRequest.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/pubs岗位/PublishModel.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/pubs岗位/NotificationType.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/privacy/packet/PrivacyItem.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/shim/provider/HeaderProvider.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/bytestreams/AccessModel.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/bytestreams/ibb/packet/Closing.java
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* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/shim/packet/HeadersExtension.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/pubs岗位/ItemsExtension.java
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* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/pubs岗位/PrivacyProvider.java
* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1.jar/org/jivesoftware/smackx/pubs岗位/RetractEventProvider.java
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* /opt/cola/permits/1136647712_1613845962.61/0/smack-extensions-4-3-4-sources-1-jar/org/jivesoftware/smackx/xdatalayout/provider/package-info.java
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1.2096 libfontenc 1.1.4-r0

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pkgname=libart-lgpl
pkgver=2.3.21
pkgrel=6
pkgdesc="A library for high-performance 2D graphics"
url="https://www.levien.com/libart/
arch="all"
options="!check"  # No test suite.
license="LGPL-2.0-or-later"
subpackages="$pkgname-dev"
source="https://download.gnome.org/sources/libart_lgpl/2.3/libart_lgpl-$pkgver.tar.bz2"

builddir="$srcdir/libart_lgpl-$pkgver"

prepare() {
    update_config_sub
default_prepare
}

build() {
    ./configure \ 
    --build=$CBUILD \ 
    --host=$CHOST \ 
    --prefix=/usr 
    make 
}

package() {
    make DESTDIR="$pkgdir" install 
}

sha512sums="8a632a6a4da59e5e8c02ec2f5a57e36d182b325b46513765425e5f171ff9ae326af1b133725beba2817e76654309e001aee9bace727b5b4c8589405256a3c020 libart_lgpl-2.3.21.tar.bz2" 
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pkgdesc="Extension for flake8 which checks for copyrights"
option="!check" # No testsuite
url="https://github.com/savoirfairelinux/flake8-copyright"
arch="noarch"
license="MIT"
depends="py3-flake8 py3-setuptools"
source="https://files.pythonhosted.org/packages/source/${_pkgname:0:1}/$_pkgname/$_pkgname-$pkgver.tar.gz"
builddir="$srcdir"/$_pkgname-$pkgver

replaces="py-flake8-copyright" # Backwards compatibility
provides="py-flake8-copyright=${pkgver}-r$pkgrel" # Backwards compatibility

build() {
python3 setup.py build
}

distdir() {
}

package() {
python3 setup.py install --prefix=/usr --root="$pkgdir"
}

sha512sums="8ade49f386e67d14e4b826946b947454cf2502ff249a9ab1d359f61fa42ebc2b17dd465708894cf82ffdf153f0be1bed746464220d40d94d4dc1b07940ec280f28 flake8-copyright-0.2.2.tar.gz"

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pkgname=perl-bsd-resource
_pkgreal=BSD-Resource
pkgver=1.2911
pkgrel=4
pkgdesc="Perl extension implements the BSD process resource limit functions"
url="https://metacpan.org/release/BSD-Resource"
arch="all"
license="GPL-1.0-or-later OR Artistic-1.0-Perl"
makedepends="perl-dev"
subpackages="$pkgname-doc"
source="https://cpan.metacpan.org/authors/id/J/JH/JHI/$_pkgreal-$pkgver.tar.gz"

builddir="$srcdir/$pkgreal-$pkgver"

prepare() {
    default_prepare
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    PERL_MM_USE_DEFAULT=1 perl Makefile.PL INSTALLDIRS=vendor
}

build() {
    export CFLAGS=$(perl -MConfig -E 'say $Config{ccflags}')
    make
}

check() {
    make test
}

package() {
    make DESTDIR="$pkgdir" install
    find "$pkgdir" \(-name perllocal.pod -o -name .packlist \) -delete
}

sha512sums="d0032d41c7c0468ed1c6d8f57b885f6cb97a5039d754c8cb60b2067daedaf53bd15fb6561a3d0f828df16
dfa5417f663b8065ba65f4feaa16de9262728b3b6b58 BSD-Resource-1.2911.tar.gz"

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source="license-list-data-$pkgver.tar.gz::https://github.com/spdx/license-list-data/archive/v$pkgver.tar.gz"
builddir="$srcdir/license-list-data-$pkgver"
subpackages="$pkgname-list"

_types="html json rdfa rdfnt rdfturtle rdfxml template text"
for type in $_types; do
done

build() {
    cd "$builddir"
}

package() {
    mkdir -p "$pkgdir"
}

_subpkg() {
    local type=${subpkgname/$pkgname-/}
    pkgdesc="$pkgdesc ($type)"
    install_if="$pkgname"
    mkdir -p "$subpkgdir/"usr/share/spdx"
    cp -r "$builddir/"type "$subpkgdir/"usr/share/spdx/
}

list() {
    pkgdesc="$pkgdesc (licence list)"
    mkdir -p "$subpkgdir/"usr/share/spdx"
    local i; for i in $builddir/text/*.txt; do
        local license=${i##*/}
        echo ${license%.*} >> "$subpkgdir/"usr/share/spdx/license.lst
    done
}

sha512sums="0950540df050fb77c7ce92f5ad1bf75b725e233d701f0c5b2fc5bfa85dae65bba3400de7fd78b4b1d8a41deab4e461a5f1018f4869d9f3e0428a5a64c32c01c60 license-list-data-3.8.tar.gz"

1.2097 jersey-common 2.25.1

1.2098 log4j-api 2.11.1
1.2098.1 Available under license:

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* lib/libcrypto/liboswcrypto/cryptodev.c
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Harald Jenny and Rene Mayrhofer, 2010-03-27
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1.2106 curvesapi 1.04

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1.2107 keyutils 1.6-r0

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1.2112 jackson-databind 2.10.3

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Chandler Carruth <chandlerc@gmail.com>
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Upstream Authors: Douglas Gilbert <dgilbert at interlog dot com>,
  Bruce Allen <ballen at gravity dot physics dot uwm dot edu>,
  Peter Allworth <linsol at zeta dot org dot au>,
  James Bottomley <jejb at parisc-linux dot org>,
  Lars Marowsky-Bree <imb at suse dot de>,
  Kurt Garloff <garloff at suse dot de>,
  Grant Grundler <grundler at parisc-linux dot org>,
  Christophe Varoqui <christophe dot varoqui at free dot fr>,
  Michael Weller <eowmob at exp-math dot uni-essen dot de>,
  Eric Youngdale <eric at andante dot org>

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Upstream Authors: Douglas Gilbert <dgilbert at interlog dot com>,
  Bruce Allen <ballen at gravity dot phys dot uwm dot edu>,
  Peter Allworth <linsol at zeta dot org dot au>,
  James Bottomley <jejb at parisc-linux dot org>,
  Lars Marowsky-Bree <lmb at suse dot de>,
  Kurt Garloff <garloff at suse dot de>,
  Grant Grundler <grundler at parisc-linux dot org>,
  Christophe Varoqui <christophe dot varoqui at free dot fr>,
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* src/svg.js - Code to embed SVG into normal HTML for browsers that natively support SVG adapted from Sam Ruby's code - http://intertwingly.net/blog/2006/12/05/HOWTO-Embed-MathML-and-SVG-into-HTML4 - currently under the MIT license - contacting author about relicensing to Apache 2

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1.2136 dhcp 4.2.5-77.el7

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

   Author: Julio Merino <jmmv@users.sourceforge.net>

* atf-c/ui.c: The format_paragraph and format_text functions were derived form the ones in the Monotone project, revision 3a0982da308228d796df35f98d787c5c7ff2bb5b6.

   Author: Julio Merino <jmmv@NetBSD.org>

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

   Author: Julio Merino <jmmv84@gmail.com>

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

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vim: filetype=text:textwidth=75:expandtab:shiftwidth=2:softtabstop=2

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1.2137 curl 7.64.0-r4

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libcurl can be built to use a fair amount of various third party libraries, libraries that are written and provided by other parties that are distributed using their own licenses. Even libcurl itself contains code that may cause problems to some. This document attempts to describe what licenses libcurl and the other libraries use and what possible dilemmas linking and mixing them all can lead to for end users.

I am not a lawyer and this is not legal advice!

One common dilemma is that [GPL](https://www.gnu.org/licenses/gpl.html) licensed code is not allowed to be linked with code licensed under the [Original BSD license](https://spdx.org/licenses/BSD-4-Clause.html) (with the announcement clause). You may still build your own copies that use them all, but distributing them as binaries would be to violate the GPL license - unless you accompany your license with an [exception](https://www.gnu.org/licenses/gpl-faq.html#GPLIncompatibleLibs). This particular problem was addressed when the [Modified BSD license](https://opensource.org/licenses/BSD-3-Clause) was created, which does not have the announcement clause that collides with GPL.

## libcurl

Uses an [MIT style license](https://curl.haxx.se/docs/copyright.html) that is very liberal.

## OpenSSL

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## GnuTLS

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## c-ares

(Used for asynchronous name resolves) Uses an MIT license that is very liberal and imposes no restrictions on any other library or part you may link with.

## zlib

(Used for compressed Transfer-Encoding support) Uses an MIT-style license that shouldn't collide with any other library.

## MIT Kerberos
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## Heimdal

(May be used for GSS support) Heimdal is Original BSD licensed with the announcement clause.

## GNU GSS

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## OpenLDAP

(Used for LDAP support) Uses a Modified BSD-style license. Since libcurl uses OpenLDAP as a shared library only, I have not heard of anyone that ships OpenLDAP linked with libcurl in an app.

## libssh2

(Used for scp and sftp support) libssh2 uses a Modified BSD-style license.

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1.2138 bridgeutils 1.5 9.el7

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

Other developers who have contributed code are:

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1.2140 asm-analysis 7.0

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1.2141 pixman 0.32.6 3.el7

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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ImmutableMap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/HashBasedTable.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/PeekingIterator.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/Collect Preconditions.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/StandardRowSortedTable.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/TreeBasedTable.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/ImmutableSortedSet.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/EmptyImmutableListMultimap.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/Platform.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/ImmutableMultiset.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/Tables.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/StandardTable.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/Range.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/ImmutableEntry.java
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  jar/com/google/common/collect/SortedMultiset.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
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jar/com/google/common/escape/CharEscaper.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/cache/LongAddable.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/reflect/Parameter.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/io/BaseEncoding.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/math/PairedStatsAccumulator.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/math/StatsAccumulator.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/io/FileWriteMode.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/math/Stats.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/io/CharSource.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/math/LinearTransformation.java
* /opt/cola/permitss/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/reflect/Element.java
* /opt/cola/permitss/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/reflect/TypeCapture.java
* /opt/cola/permitss/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/hash/LongAddables.java
* /opt/cola/permitss/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/ServiceManager.java
* /opt/cola/permitss/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/FilteredKeyMultimap.java
* /opt/cola/permitss/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/hash/ChecksumHashFunction.java
* /opt/cola/permitss/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/hash/AbstractByteHasher.java
* /opt/cola/permitss/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/reflect/ImmutableTypeToInstanceMap.java
* /opt/cola/permitss/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/RateLimiter.java
* /opt/cola/permitss/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/html/package-info.java
* /opt/cola/permitss/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/CharSink.java
* /opt/cola/permitss/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collect/AbstractInvocationHandler.java
* /opt/cola/permitss/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collect/CartesianList.java
* /opt/cola/permitss/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collect/ImmutableRangeMap.java
* /opt/cola/permitss/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/reflect/Invokable.java
* /opt/cola/permitss/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/hash/SipHashFunction.java
* /opt/cola/permitss/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/RateLimiter.java
* /opt/cola/permitss/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/html/package-info.java
* /opt/cola/permitss/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/ByteSource.java
* /opt/cola/permitss/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/math/PairedStats.java
* /opt/cola/permitss/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/escape/package-info.java
* /opt/cola/permitss/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/xml/package-info.java
* /opt/cola/permitss/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/reflect/MutableTypeToInstanceMap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/reflect/ClassPath.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/hash/LongAddable.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/reflect/TypeToInstanceMap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ImmutableRangeSet.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/cache/LongAddables.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/StandardSystemProperty.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/io/ByteSink.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/io/Closer.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/Java8Usage.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/ServiceManagerBridge.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/base/MoreObjects.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/ListenerCallQueue.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/eventbus/Subscriber.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/eventbus/Dispatcher.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/math/Quantiles.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/eventbus/SubscriberRegistry.java
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*/
/**
* Holder for web specializations of methods of [@code Floats]. Intended to be empty for regular
* version.
*/

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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/primitives/FloatsMethodsForWeb.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/WrappingScheduledExecutorService.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/Runnables.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/FilteredMultimapValues.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/thirdparty/publicsuffix/PublicSuffixType.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/VerifyException.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/Verify.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/io/CharSequenceReader.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/reflect/TypeVisitor.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/AbstractTable.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/hash/HashingInputStream.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/eventbus/SubscriberExceptionHandler.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/eventbus/SubscriberExceptionContext.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/eventbus/SubscriberExceptionHandler.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/Utf8.java

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Not supported. <b>You are attempting to create a map that may contain a non-[@code Comparable]</b>
key.</b> Proper calls will resolve to the version in [@code ImmutableSortedMap], not this dummy
version.

@throws UnsupportedOperationException always
@deprecated <b>Pass a key of type [@code Comparable] to use [@link
ImmutableSortedMap#of(Comparable, Object)].</b>

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jar/com/google/common/util/concurrent/ExecutionSequencer.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/hash/ImmutableSupplier.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ImmutableEnumSet.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/EmptyImmutableSetMultimap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ForwardingTable.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ImmutableClassToInstanceMap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ComputationException.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ComparisonChain.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ArrayTable.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ImmutableAsList.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ImmutableSortedSetFauxverideShim.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/RegularImmutableSortedSet.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ImmutableTable.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/DiscreteDomain.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/AbstractIndexedListIterator.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/SingletonImmutableTable.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/collection/ImmutableSortedMap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/collection/RegularImmutableList.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/collection/ImmutableSetMultimap.java
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 */
/**
 * Holder for web specializations of methods of {code Ints}. Intended to be empty for regular
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 */

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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/graph/MutableGraph.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/graph/Network.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ForwardingListMultimap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ForwardingSortedSetMultimap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/RowSortedTable.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/TopKSelector.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/UnmodifiableListIterator.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ForwardingSetMultimap.java
jar/com/google/common/graph/ImmutableGraph.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/graph/SuccessorsFunction.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/graph/PredecessorsFunction.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/graph/MutableNetwork.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/graph/Graphs.java

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/**
 * Holder for web specializations of methods of [@code Shorts]. Intended to be empty for regular
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/RangeSet.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ForwardingSortedMultiset.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/GeneralRange.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ImmutableSortedMultiset.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/Count.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/SortedIterables.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/AbstractRangeSet.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/SortedIterable.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/RegularImmutableSortedMultiset.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/primitives/ImmutableLongArray.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/ForwardingLock.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/primitives/ImmutableDoubleArray.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/ForwardingCondition.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/primitives/ImmutableIntArray.java

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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/base/PatternCompiler.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/CommonPattern.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/JdkPattern.java
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jar/com/google/common/collect/TreeTraverser.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/CompactHashMap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/DescendingMultiset.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/AbstractSortedKeySortedSetMultimap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/AllEqualOrdering.java
* /opt/com/google/common/collect/RegularImmutableAsList.java
* /opt/com/google/common/collect/ForwardingImmutableMap.java
* /opt/com/google/common/collect/CompactLinkedHashSet.java
* /opt/com/google/common/collect/TransformedIterator.java
* /opt/com/google/common/collect/CompactHashSet.java
* /opt/com/google/common/collect/UnmodifiableSortedMultiset.java
* /opt/com/google/common/collect/AbstractNavigableMap.java
* /opt/com/google/common/collect/AbstractSortedSetMultiset.java

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/opt/ cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collect/RegularImmutableTable.java
/opt/ cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/cache/ReferenceEntry.java
/opt/ cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/base/Splitter.java
/opt/ cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/ByteProcessor.java
/opt/ cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collect/MapMakerInternalMap.java
/opt/ cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/annotations/GwtCompatible.java
/opt/ cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/ByteArrayDataInput.java
/opt/ cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/cache/LocalCache.java
/opt/ cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collect/DenseImmutableTable.java
/opt/ cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/html/HtmlEscapers.java
/opt/ cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/ForwardingFuture.java
/opt/ cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/ForwardingListenableFuture.java
/opt/ cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/escape/ArrayBasedCharEscaper.java
/opt/ cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/escape/ArrayBasedEscaperMap.java
/opt/ cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/net/HostSpecifier.java
/opt/ cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/SettableFuture.java
jar/com/google/common/xml/XmlEscapers.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/MapMaker.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/Cut.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/reflect/TypeResolver.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/base/Platform.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/net/InternetDomainName.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/annotations/GwtIncompatible.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/escape/Platform.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/escape/Escapers.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/JdkFutureAdapters.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/SparseImmutableTable.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/primitives/SignedBytes.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/ByteArrayDataOutput.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/AbstractIdleService.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/ByteArrayDataOutput.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/AbstractIdleService.java

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*/
/**
 * Outer class that exists solely to let us write [@code Partially.GwtIncompatible] instead of plain
 * [@code GwtIncompatible]. This is more accurate for [@link Futures#catching], which is available
 * under GWT but with a slightly different signature.
 *
 * <p>We can't use [@code PartiallyGwtIncompatible] because then the GWT compiler wouldn't recognize
 * it as a [@code GwtIncompatible] annotation. And for [@code Futures.catching], we need the GWT
 * compiler to autostrip the normal server method in order to expose the special, inherited GWT
 * version.
 */

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* the License.
*/
/**
* Holder for web specializations of methods of [ @code Doubles ]. Intended to be empty for regular
* version.
*/

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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/Uninterruptibles.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/cache/AbstractLoadingCache.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/AsyncFunction.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/math/DoubleUtils.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collect/Queues.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collect/TreeRangeSet.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/hash/Hashing.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/base/PairwiseEquivalence.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/ExecutionError.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/base/Enums.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/cache/RemovalListener.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/base/Present.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/reflect/Types.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/math/LongMath.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/hash/Crc32cHashFunction.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/cache/RemovalListeners.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/hash/HashFunction.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/cache/RemovalCause.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/AbstractScheduledService.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/cache/CacheLoader.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/hash/AbstractCompositeHashFunction.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/base/FunctionalEquivalence.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/CycleDetectingLockFactory.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/cache/Cache.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/cache/package-info.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/ForwardingListeningExecutorService.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/net/HostAndPort.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/math/package-info.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/cache/CacheStats.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/cache/package-info.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/net/MediaType.java
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 * /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/EmptyContiguousSet.java
 * /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/math/BigIntegerMath.java
 * /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/hash/Hasher.java
 * /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/BoundType.java
 * /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/hash/HashingOutputStream.java
 * /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/ListeningExecutorService.java
 * /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/base/Strings.java
 * /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/ContiguousSet.java
 * /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/Atomics.java
 * /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/Monitor.java
 * /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/net/package-info.java
 * /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/annotations/Beta.java
 * /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/annotations/package-info.java
 * /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/ForwardingBlockingQueue.java

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Holder for extra methods of { @code Objects} only in web. Intended to be empty for regular version.

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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/util/concurrent/ListenableFutureTask.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/escape/UnicodeEscaper.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/util/concurrent/SequentialExecutor.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/thirdparty/publicsuffix/TrieParser.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/base/CharMatcher.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/primitives/Bytes.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/primitives/Shorts.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/base/Joiner.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/io/FileBackedOutputStream.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/primitives/Booleans.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/collect/FluentIterable.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/primitives/Doubles.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/primitives/Floats.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/base/Converter.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/primitives/Chars.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/primitives/Longs.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/primitives/Ints.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-
jar/com/google/common/net/PercentEscaper.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/Stopwatch.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/io/MultiReader.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/Interners.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/base/FinalizableWeakReference.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/io/package-info.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/AbstractFuture.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/ListenableFuture.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/Listenables.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/eventbus/package-info.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/eventbus/CountingInputStream.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/eventbus/AllowConcurrentEvents.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/eventbus/EventBus.java
*/
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/base/Objects.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/base/Suppliers.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/Files.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/Closeables.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/eventbus/EventBus.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/base/Functions.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/Flushables.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/CharStreams.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/MultiInputStream.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/base/FinalizablePhantomReference.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/CountingOutputStream.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/base/Predicates.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/primitives/Primitives.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/CountingOutputStream.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/base/Preconditions.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/base/Function.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/package-info.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/LittleEndianDataInputStream.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/base/package-info.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/base/FinalizableReference.java
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*/opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/LittleEndianDataOutputStream.java
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*/opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/eventbus/AsyncEventBus.java
*/opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/util/concurrent/ExecutionList.java
*/opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/eventbus/DeadEvent.java
*/opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/LineBuffer.java
*/opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/base/AbstractIterator.java
*/opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/io/LineReader.java
*/opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/base/Predicate.java
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*/opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collect/CompactHashing.java
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 */

/**
 * Returns an array containing all of the elements in the specified collection. This method
 * returns the elements in the order they are returned by the collection's iterator. The returned
 * array is "safe" in that no references to it are maintained by the collection. The caller is
 * thus free to modify the returned array.
 *
 * <p>This method assumes that the collection size doesn't change while the method is running.
 *
 * <p>TODO(kevinb): support concurrently modified collections?
 */
* @param c the collection for which to return an array of elements
*/

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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/ObjectArrays.java

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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/InterruptibleTask.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/CombinedFuture.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/hash/MacHashFunction.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/io/ReaderInputStream.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/ConsumingQueueIterator.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/Platform.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/util/concurrent/AsyncCallable.java

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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ByFunctionOrdering.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ForwardingListIterator.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/Iterators.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/Ordering.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ObjectCountHashMap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ObjectCountLinkedHashMap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ObjectCountLinkedHashSet.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/graph/AbstractBaseGraph.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/graph/BaseGraph.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/graph/Traverser.java

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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ByFunctionOrdering.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ForwardingListIterator.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/Iterators.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/Ordering.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ObjectCountHashMap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ObjectCountLinkedHashMap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ObjectCountLinkedHashSet.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ObjectCountLinkedHashSet.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/AbstractBiMap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ByFunctionOrdering.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/ForwardingListIterator.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/Iterators.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collection/Ordering.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/ConcurrentHashMultiset.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/ForwardingMultimap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/AbstractMultiset.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/AbstractMapBasedMultiset.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/Sets.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/HashMultimap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/AbstractSetMultimap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/ReverseOrdering.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/HashMultiset.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/ForwardingConcurrentMap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/ArrayListMultimap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/MutableClassToInstanceMap.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/AbstractListMultimap.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/ForwardingSet.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/ForwardingSortedSet.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/ForwardingMap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/Multimaps.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1.jar/com/google/common/collection/ForwardingCollection.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/ForwardingMapEntry.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/EnumHashBiMap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/CompoundOrdering.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/RegularImmutableSet.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/AbstractMapEntry.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/ForwardingQueue.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/NullsFirstOrdering.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/Iterables.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/LinkedHashMultiset.java
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* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/NullsLastOrdering.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/ImmutableList.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/SortedSetMultimap.java
* /opt/cola/permits/1135271524_1613483316.15/0/guava-30-1-android-sources-1-jar/com/google/common/collect/AbstractIterator.java

1.2147 icu 57

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### Commands to generate dependency files
GEN_DEPS.c=$(CC) -E -MM $(DEFS) $(CPPFLAGS)
GEN_DEPS.cc=$(CXX) -E -MM $(DEFS) $(CPPFLAGS)
```

---

Open Source Used in Cisco Unified Contact Center Express 12.5(1) SU2 19666
## Flags for position independent code

SHAREDLIBCFLAGS = -fPIC
SHAREDLIBCXXFLAGS = -fPIC
SHAREDLIBCPPFLAGS = -DPIC

## Additional flags when building libraries and with threads

THREADSCPPFLAGS = -D_REENTRANT
LIBCPPFLAGS =

## Compiler switch to embed a runtime search path

LD_RPATH =
LD_RPATH_PRE = -Wl,-rpath,

## Compiler switch to embed a library name

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

## Shared library options

LD_SOOPTIONS = -Wl,-Bsymbolic

## Shared object suffix

SO = so

## Non-shared intermediate object suffix

STATIC_O = ao

## Compilation rules

%.$(STATIC_O): $(srcdir)/%.c
$($(COMPILE.c) $(STATICCPPFLAGS) $(STATICCFLAGS) -o $@ $<
% .o: $(srcdir)/%.c
$($(COMPILE.cc) $(STATICCPPFLAGS) $(STATICCXXFLAGS) -o $@ $<

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

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

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

## Bind internal references

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

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

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

## End BSD-specific setup
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* org.eclipse.jetty.orbit:javax.mail.glassfish

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* javax.servlet:javax.servlet-api
* javax.annotation:javax.annotation-api
* javax.transaction:javax.transaction-api
* javax.websocket:javax.websocket-api

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* java.sun.security.ssl

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org.ow2.asm:asm-commons
org.ow2.asm:asm

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org.apache.taglibs:taglibs-standard-impl

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org.apache.tomcat:tomcat-jasper
org.apache.tomcat:tomcat-juli
org.apache.tomcat:tomcat-jsp-api
org.apache.tomcat:tomcat-el-api
org.apache.tomcat:tomcat-jasper-el
org.apache.tomcat:tomcat-api
org.apache.tomcat:tomcat-util-scan
org.apache.tomcat:tomcat-util

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https://glassfish.dev.java.net/nonav/public/CDDL+GPL.html
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* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/FormatMethod.java
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* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/RestrictedApi.java
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* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/concurrent/UnlockMethod.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/concurrent/LockMethod.java

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Found in path(s):
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* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/OverridingMethodsMustInvokeSuper.java
* /opt/cola/permits/1150926774_1617721880.98/0/error-prone-annotations-2-3-3-sources-5-jar/com/google/errorprone/annotations/CheckReturnValue.java
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Found in path(s):
*/

/*
 * @(#)Id: Comparator.java 1567 2003-06-09 20:50:21Z kk122374 */

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/*
 * @(#)Id: Comparator.java 1567 2003-06-09 20:50:21Z kk122374 */
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 * @(#)Id: HexBinaryType.java 1650 2005-03-31 23:19:14Z kohsuke $
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 * @(#)Id: NumberType.java 1650 2005-03-31 23:19:14Z kohsuke $
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 */
Found in path(s):
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 * @(#)Id: ConcreteType.java 1650 2005-03-31 23:19:14Z kohsuke $
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Found in path(s):
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* /opt/cola/permits/1270477188_1644761409.64/0/xsdlib-2009-1-sources-jar/com/sun/msv/datatype/xsd/Messages.properties
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 * @(#)Id: Base64BinaryType.java 1650 2005-03-31 23:19:14Z kohsuke $
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Found in path(s):
* /opt/cola/permits/1270477188_1644761409.64/0/xsdlib-2009-1-sources-jar/com/sun/msv/datatype/xsd/Base64BinaryType.java
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* @(#)Id: FloatType.java 1650 2005-03-31 23:19:14Z kohsuke $  
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* @(#)Id: SerializationContext.java 1567 2003-06-09 20:50:21Z kk122374 $  
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* @(#)Id: DateTimeFactory.java 1623 2003-12-16 21:39:41Z kohsuke $  
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 * @(#)Id: RangeFacet.java 1567 2003-06-09 20:50:21Z kk122374 $
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Found in path(s):
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 * @(#)Id: MaxExclusiveFacet.java 1567 2003-06-09 20:50:21Z kk122374 $
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/*
 * @(#)Id: GMonthDayType.java 1634 2004-04-05 17:42:28Z kohsuke $
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/*
 * @(#)Id: GMonthType.java 1634 2004-04-05 17:42:28Z kohsuke $
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 * @(#)Id: DateTimeBaseType.java 1650 2005-03-31 23:19:14Z kohsuke $
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 * @(#)Id: ByteType.java 1567 2003-06-09 20:50:21Z kk122374 $
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/*
* @(#)Id: TimeType.java 1634 2004-04-05 17:42:28Z kohsuke $
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* @(#)Id: Util.java 1650 2005-03-31 23:19:14Z kohsuke $
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Found in path(s):
* /opt/cola/permits/1270477188_1644761409.64/0/xsdlib-2009-1-sources-jar/com/sun/msv/datatype/xsd/datetime/Util.java
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/*
* @(#)Id: GYearMonthType.java 1634 2004-04-05 17:42:28Z kohsuke $
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Found in path(s):
* /opt/cola/permits/1270477188_1644761409.64/0/xsdlib-2009-1-sources-jar/com/sun/msv/datatype/xsd/GYearMonthType.java
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Found in path(s):
* /opt/cola/permits/1270477188_1644761409.64/0/xsdlib-2009-1-sources-jar/com/sun/msv/datatype/xsd/UnionType.java
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* @(#)Id: LongType.java 1567 2003-06-09 20:50:21Z kk122374 $
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* @(#)Id: FractionDigitsFacet.java 1567 2003-06-09 20:50:21Z kk122374 $
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* @(#)Id: TokenType.java 1567 2003-06-09 20:50:21Z kk122374 $
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/*
 * @(#)Id: IntegerValueType.java 1567 2003-06-09 20:50:21Z kk122374 $
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 * @(#)Id: ShortType.java 1567 2003-06-09 20:50:21Z kk122374 $
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jar/com/sun/msv/datatype/xsd/ShortType.java
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 * @(#)Id: XSDatatypeImpl.java 1650 2005-03-31 23:19:14Z kohsuke $
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* /opt/cola/permits/1270477188_1644761409.64/0/xsdlib-2009-1-sources-jar/com/sun/msv/datatype/ErrorDatatypeLibrary.java
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/*
* @(#)XmlNames.java 1.4 99/01/22
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/*
* @(#)Id: IntegerType.java 1650 2005-03-31 23:19:14Z kohsuke $
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/*
* @(#)Id: WhiteSpaceProcessor.java 1650 2005-03-31 23:19:14Z kohsuke $
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/*
* @(#)Id: PreciseCalendarFormatter.java 1630 2004-02-11 22:55:31Z kohsuke $
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* @(#)Id: IntegerDerivedType.java 1650 2005-03-31 23:19:14Z kohsuke $
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/*
/*
 * @(#)Id: GDayType.java 1634 2004-04-05 17:42:28Z kohsuke $ 
 */

Found in path(s):
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  jar/com/sun/msv/datatype/xsd/GDayType.java
No license file was found, but licenses were detected in source scan.

/****************************************************************************
 * @(#)Id: MinExclusiveFacet.java 1567 2003-06-09 20:50:21Z kk122374 $ 
 */

Found in path(s):
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/****************************************************************************
 * @(#)Id: WhiteSpaceFacet.java 1567 2003-06-09 20:50:21Z kk122374 $ 
 */

Found in path(s):
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  jar/com/sun/msv/datatype/xsd/WhiteSpaceFacet.java
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/****************************************************************************
 * @(#)Id: CalendarParser.java 1639 2004-05-07 16:01:44Z kohsuke $ 
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 * @(#)Id: IDateTimeValueType.java 1567 2003-06-09 20:50:21Z kk122374 $ 
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 * @(#)Id: NonPositiveIntegerType.java 1567 2003-06-09 20:50:21Z kk122374 $ 
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* @(#)Id: BooleanType.java 1650 2005-03-31 23:19:14Z kohsuke $
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* @(#)Id: UnsignedLongType.java 1567 2003-06-09 20:50:21Z kk122374 $
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* @(#)Id: NmtokenType.java 1567 2003-06-09 20:50:21Z kk122374 $
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 * @(#)Id: EntityType.java 1650 2005-03-31 23:19:14Z kohsuke $
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jar/com/sun/msv/datatype/xsd/EntityType.java
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 * @(#)Id: PositiveIntegerType.java 1567 2003-06-09 20:50:21Z kk122374 $
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jar/com/sun/msv/datatype/regexp/Match.java
*/opt/cola/permits/1270477188_1644761409.64/0/xsdlib-2009-1-sources-
jar/com/sun/msv/datatype/regexp/BMPattern.java
*/opt/cola/permits/1270477188_1644761409.64/0/xsdlib-2009-1-sources-
jar/com/sun/msv/datatype/regexp/REUtil.java
* /opt/cola/permits/1270477188_1644761409.64/0/xsdlib-2009-1-sources-
jar/com/sun/msv/datatype/regexp/ParseException.java
* /opt/cola/permits/1270477188_1644761409.64/0/xsdlib-2009-1-sources-
jar/com/sun/msv/datatype/regexp/RegularExpression.java
* /opt/cola/permits/1270477188_1644761409.64/0/xsdlib-2009-1-sources-
jar/com/sun/msv/datatype/regexp/Token.java
* /opt/cola/permits/1270477188_1644761409.64/0/xsdlib-2009-1-sources-
jar/com/sun/msv/datatype/regexp/RangeToken.java
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 * @(#)Id: AbstractCalendarFormatter.java 1623 2003-12-16 21:39:41Z kohsuke $
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jar/com/sun/msv/datatype/xsd/datetime/AbstractCalendarFormatter.java
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 * @(#)Id: DataTypeWithValueConstraintFacet.java 1567 2003-06-09 20:50:21Z kk122374 $
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jar/com/sun/msv/datatype/xsd/DataTypeWithValueConstraintFacet.java
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 * @(#)Id: GYearType.java 1634 2004-04-05 17:42:28Z kohsuke $
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* @(#)Id: AnyURIType.java 1652 2005-04-01 00:00:31Z kohsuke $ *
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* @(#)Id: UnicodeUtil.java 1567 2003-06-09 20:50:21Z kk122374 $ *
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  jar/com/sun/msv/datatype/xsd/ITimeDurationValueType.java
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jar/com/sun/msv/datatype/xsd/datetime/ITimeDurationValueType.java
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jar/com/sun/msv/datatype/regexp/ParserForXMLSchema.java
* /opt/cola/permits/1270477188_1644761409.64/0/xsdlib-2009-1-sources-
jar/com/sun/msv/datatype/regexp/RegexParser.java
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/ *
* @(#)Id: DataTypeWithLexicalConstraintFacet.java 1567 2003-06-09 20:50:21Z kk122374 $ 
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 * @(#)Id: ListType.java 1650 2005-03-31 23:19:14Z kohsuke $
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 * @(#)Id: EnumerationFacet.java 1650 2005-03-31 23:19:14Z kohsuke $
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1.2152 hamcrest-library 1.1

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1.2155 jackson-databind 2.12.0

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1.2156 libx11 1.6.5 2.el7

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